

**DONALD C. COOK NUCLEAR PLANT
SEISMIC EVALUATION REPORT**

ATTACHMENT NO. 2 TO AEP:NRC:1040C

**RESPONSE TO NRC G.L. 87-02
UNRESOLVED SAFETY ISSUE A-46**

**BY
STEVENSON & ASSOCIATES
CLEVELAND, OH
DECEMBER 1995**

89C1570a/ Disk4
Wlkdown11.9a

**Seismic Evaluation and Walkdown Summary Report of the
Donald C. Cook Nuclear Plant Units 1 and 2
To Resolve Unresolved Safety Issue
(USI) A-46 and Generic Letter (GL) 87-02**

December 16, 1995

Performed for:

**American Electric Power Service Corp.
1 Riverside Plaza
Columbus, OH 43216-6631**

Performed by:

**Stevenson & Associates
9217 Midwest Ave.
Cleveland, OH 44125
(216)587-3805
Fax (216)587-2205**

TABLE OF CONTENTS

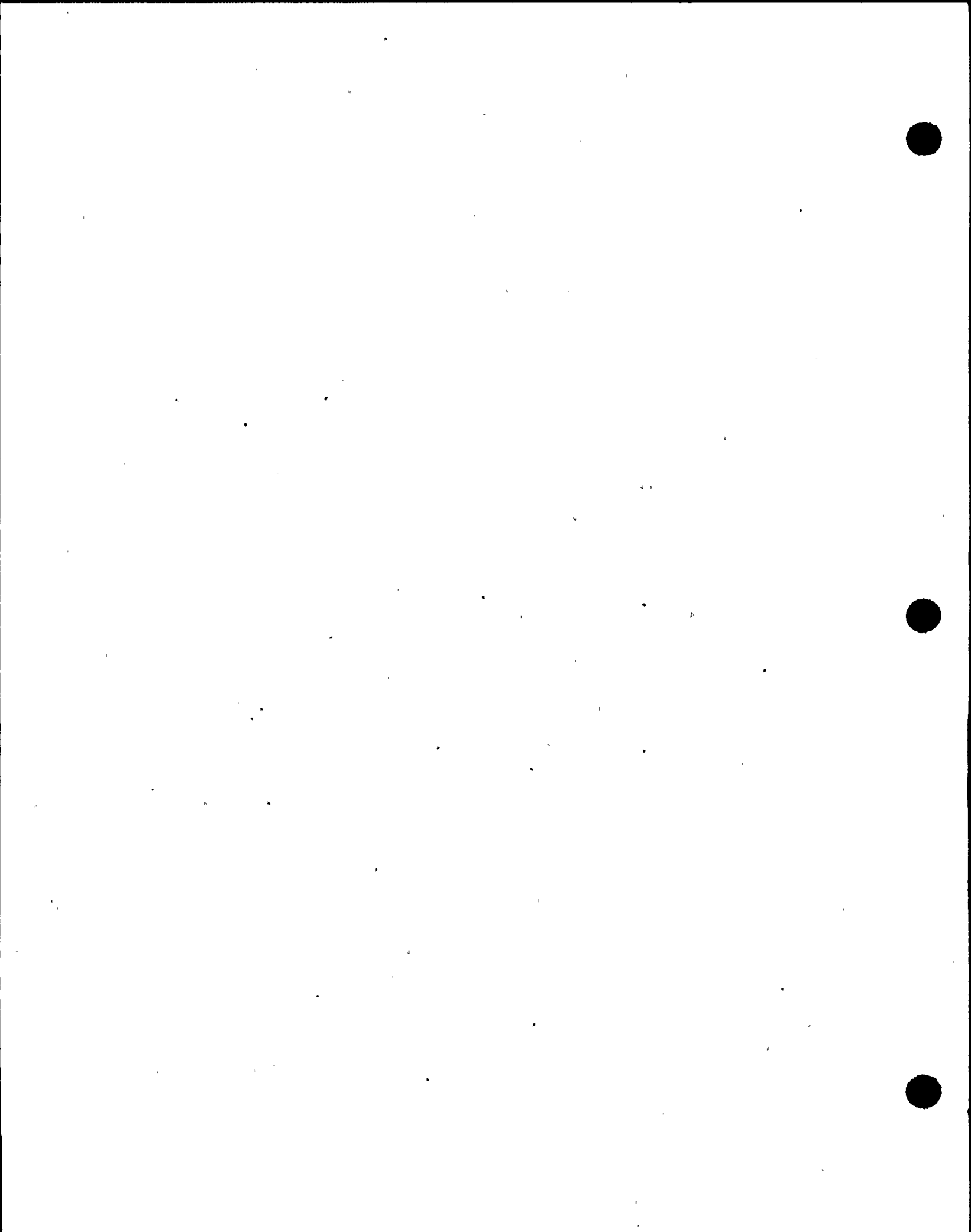
1.0	EXECUTIVE SUMMARY	1-1
1.1	Background and Objectives	1-1
1.2	General Plant Description	1-2
1.2.1	Site Location	1-2
1.2.2	Primary Plant System	1-2
1.3	Report Organization	1-3
2.0	SEISMIC DESIGN BASIS	2-1
2.1	Safe Shutdown Earthquake Ground Response Spectra	2-1
2.2	In-Structure Response Spectra	2-1
2.3	Definition of Seismic Design Classification	2-3
3.0	PROJECT TEAM	3-1
3.1	Integrated Team Approach	3-1
3.2	Seismic Review Team	3-1
3.3	Peer Reviewers	3-2
4.0	USI A-46 EVALUATION FOR CLASS OF TWENTY-ONE EQUIPMENT	4-1
4.1	Overall Approach Taken	4-1
4.2	Seismic Screening Guidelines	4-2
4.2.1	Seismic Capacity Vs. Demand	4-3
4.2.2	Caveat Compliance	4-4
4.2.3	Anchorage Adequacy	4-5
4.2.4	Seismic Interaction Checks	4-11

4.3	Outlier Resolution	4-11
4.4	Other Types of Seismic Evaluations and Interfaces	4-11
4.5	Documentation	4-12
4.6	Class of Twenty-One Evaluation Results	4-13
4.6.1	Equipment Characteristics	4-16
4.6.2	Seismic Capacity Vs. Demand Results	4-19
4.6.3	Equipment Class Description/Caveat Results	4-20
4.6.4	Equipment Anchorage Results	4-21
4.6.5	Seismic Interaction and Other Issues	4-22
4.6.6	Deviations and Commentary on Meeting the Intent of Caveats	4-23
4.6.7	SQUG Action Items	4-23
4.7	Resolution of Identified Seismic Concerns and SQUG Action Items	4-24
5.0	TANK AND HEAT EXCHANGER REVIEW	5-1
5.1	Summary of Review	5-1
5.1.1	Vertical Tanks	5-1
5.1.2	Method of Solution for Vertical Tanks	5-3
5.1.3	Determine Tank Seismic Demand	5-3
5.1.4	Determine Tank Seismic Capacity	5-4
5.1.5	Horizontal Tanks and Heat Exchangers	5-4
5.2	Summary of Results	5-6
5.2.1	Results - Vertical Tanks	5-6
5.2.2	Results - Horizontal Tanks and Heat Exchangers	5-7

6.0	CABLE TRAY AND CONDUIT RACEWAY REVIEW	6-1
6.1	Scope of the Raceway Review	6-1
6.2	Seismic Review Team	6-1
6.3	Summary of the Plant Area Summary Sheets (PASS)	6-2
6.4	Summary of the Limited Analytical Reviews (LARs)	6-2
6.5	Summary of Raceway Outliers	6-3
7.0	PLAN FOR ADDRESSING UNRESOLVED OUTLIERS AND OPEN ISSUES	7-1
8.0	CONCLUSIONS AND RESULTS	8-1
9.0	REFERENCES	9-1

APPENDICES

- APPENDIX A – Resumes of SCE's
- APPENDIX B – Cook Nuclear Plant Floor Response Spectra
- APPENDIX C – SVDS Forms



LIST OF FIGURES

Figure 2-1	Cook Nuclear Plant Ground OBE, 5% Damping	2-6
Figure 2-2	Cook Nuclear Plant Ground DBE, 5% Damping	2-7
Figure 4-1	Comparison Between 5% Damped Ground Response Spectra of Database Earthquakes and Cook Nuclear Plant DBE	4-25
Figure 4-2	Comparison of 5% Damped Bounding Spectrum to the Cook Nuclear Plant DBE	4-26

LIST OF TABLES

Table 2-1	Damping Ratios Used for Design at Cook Nuclear Plant	2-8
Table 4-1	Cook Nuclear Plant Unit 1 Equipment Items Containing Essential Relays	4-27
Table 4-2	Cook Nuclear Plant Unit 2 Equipment Items Containing Essential Relays	4-31
Table 4-3	Cook Nuclear Plant Unit 1 Breakdown of Class of 21 Equipment Items Requiring a Seismic Walkdown	4-34
Table 4-4	Cook Nuclear Plant Unit 2 Breakdown of Class of 21 Equipment Items Requiring a Seismic Walkdown	4-35
Table 4-5	Cook Nuclear Plant Unit 1 Outliers - for Class of 21 Equipment, Reasons, Proposed Resolution, Current Status	4-36
Table 4-6	Cook Nuclear Plant Unit 2 Outliers - for Class of 21 Equipment, Reasons, Proposed Resolution, Current Status	4-44
Table 4-7	Commentary on Equipment Items Meeting the Intent of GIP Caveats	4-50
Table 4-8	Issues Tracked Using the SQUG Action Item Report Not Included as an Outlier	4-56
Table 5-1	Vertical Flat Bottom Tanks Reviewed for Cook Nuclear Plant	5-2
Table 5-2	Horizontal Heat Exchangers on at Least Two Saddles Reviewed for Cook Nuclear Plant	5-7
Table 6-1	Summary of the Plant Area Summary Sheets (PASS)	6-4
Table 6-2	Summary of the Limited Analytical Review	6-6

1.0 EXECUTIVE SUMMARY

1.1 Background and Objectives

In December 1980, the Nuclear Regulatory Commission (NRC) designated "Seismic Qualification of Equipment in Operating Plants" as an unresolved safety issue (USI). The safety issue of concern was that equipment in nuclear plants for which construction permit applications had been docketed before about 1972 had not been reviewed according to the then-current (1980-81) licensing criteria for seismic qualification of equipment [i.e., Regulatory Guide (RG) 1.100⁽¹⁾; Institute of Electrical and Electronics Engineers (IEEE) Standard 344-1975⁽²⁾ Standard Review Plan (SRP) Section 3.10 (NUREG-0800, July 1981)⁽³⁾]. Therefore, the seismic adequacy of the equipment in these older plants may be questionable regarding their ability to survive and function in the event of a safe-shutdown earthquake (SSE). All operating plants for which equipment seismic qualification could not be verified to meet the intent of current licensing criteria were subject to the implementation provisions outlined in Generic Letter (GL) 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46." ⁽⁴⁾

In response to USI A-46, affected utilities formed an owners group known as the Seismic Qualification Utility Group (SQUG) in the early 1980's to formulate a unified and reasonable approach to this issue. Industry seismic experts and firms were retained to assist SQUG in the formulation of an approach using past earthquake experience as a means to verify equipment seismic integrity.

Based on a wealth of actual earthquake data as well as data obtained from full-scale shake table tests of equipment, the seismic ruggedness of certain classes of mechanical and electrical equipment has been established. This data has been assembled and a ground motion "Bounding Spectrum" has been established below which the integrity of certain equipment can be assured upon meeting caveats developed for each equipment group. The Donald C. Cook Nuclear Plant, henceforth referred to as Cook Nuclear Plant, site ground motion, as well as those of all other Eastern US power plants (east of the Rocky Mountains), has a design basis ground motion below the Bounding Spectrum. The seismic review of the plant for USI A-46 was performed to the Cook Nuclear Plant Safe Shutdown Earthquake.

Although no explicit provisions within the USNRC regulations permitted the use of experience data as a means for seismic qualification, the USNRC determined that requiring older operating plants to comply with current licensing requirements was not practical because a literal application of those criteria to older operating plants could require extensive modifications of those facilities that could not be justified from the cost-benefit standpoint. Therefore, the NRC concluded that the use of earthquake experience data, with appropriate inclusion rules and caveats, is appropriate for resolving USI A-46.

The approach used for seismic verification of equipment at Cook Nuclear Plant for resolution of USI A-46 is contained in the Generic Implementation Procedure (GIP) Revision 2 as corrected⁽⁵⁾ which defines the requirements for the conduct of the effort. The approach involved selecting equipment that is required to safely shut down the plant and monitor the necessary functions to insure safe shutdown. The selected equipment is documented on the Safe Shutdown Equipment List (SSEL). Experienced seismic practitioners then conducted in-plant walkdowns (Seismic Screening and Verification Walkdown) to evaluate the adequacy of the equipment selected.

The USNRC reviewed the GIP, Revision 2 as corrected and issued Supplemental Safety Evaluation Report No. 2 ⁽⁶⁾ (SSER No. 2). The USNRC endorsed the GIP Rev. 2, as corrected with some additional precautions. The USI A-46 effort at Cook Nuclear Plant Unit 1 was performed in accordance with the GIP, Rev. 2 as corrected and SSER No.2.

1.2 General Plant Description

1.2.1 Site Location

Cook Nuclear Plant Units 1 and 2 employ a Pressurized Water Reactor (PWR) Nuclear Steam Supply System (NSSS) furnished by Westinghouse Electric Corporation (W). The Reactor Coolant System (RCS) for each unit consists of four loops. The reactor containment is an ice condenser containment. The current licensed Rated Thermal Power (RTP) for Unit 1 is 3250 Mwt, and for Unit 2 is 3411 Mwt. The site is located along the eastern shore of Lake Michigan in Lake Township, Berrien County, Michigan, about 11 miles south-southwest of Benton Harbor, Michigan.

1.2.2 Primary Plant System

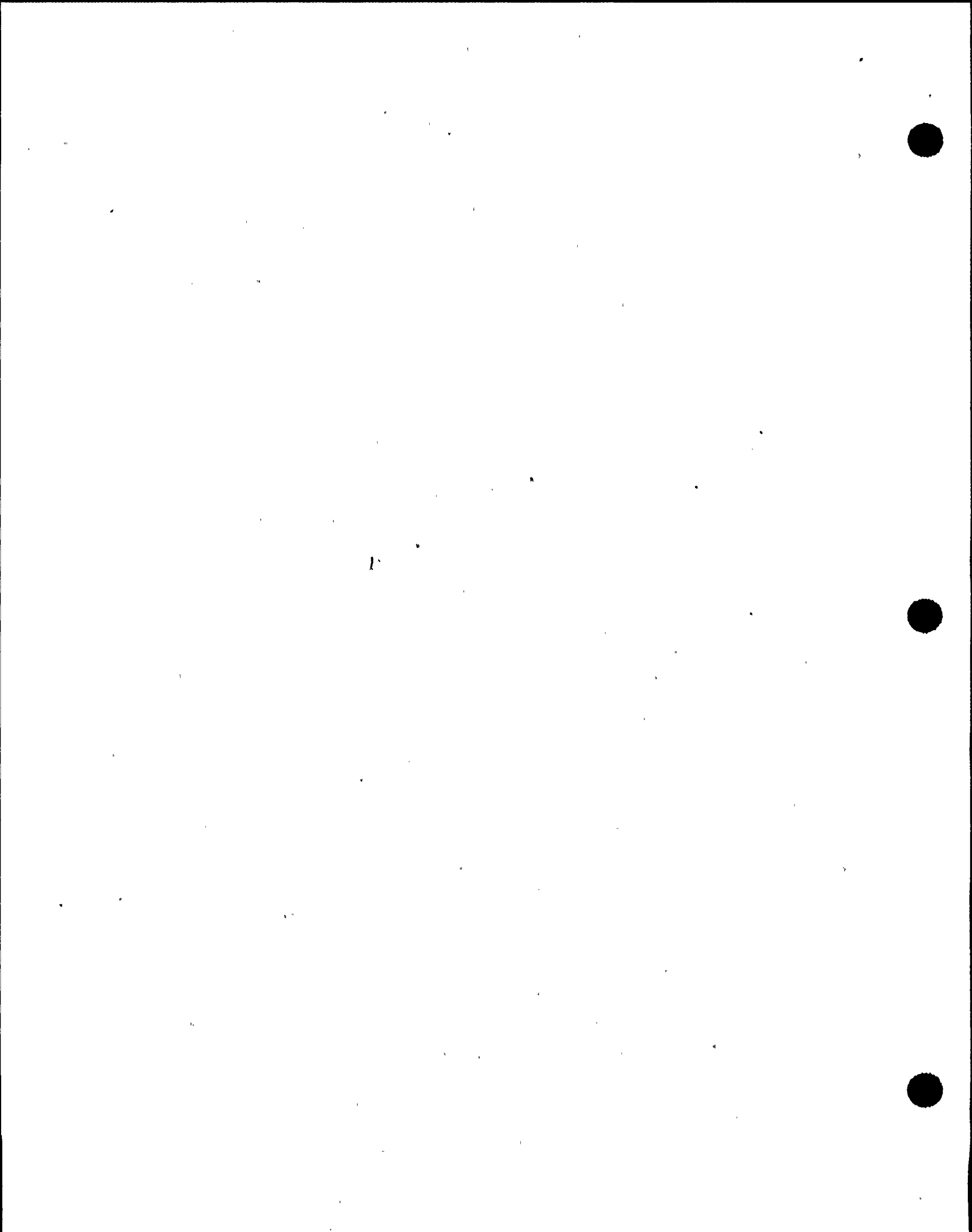
For each unit, the primary plant system consists of a PWR, RCS, and associated auxiliary fluid systems. The RCS consists of four closed reactor coolant loops connected in parallel

to the reactor vessel, each loop containing a Reactor Coolant Pump (RCP) and a Steam Generator (SG), with an electrically Heated Pressurizer (PZR) connected to the hot leg of reactor coolant loop #3. The electrical heaters and spray nozzles in the PZR provide RCS pressure control. The SG's are vertical U-tube type heat exchangers utilizing Inconel tubes. Auxiliary systems are provided to charge the RCS, add makeup water, purify the RCS, provide chemicals for corrosion inhibition and reactor control, cool system components, remove residual heat when the reactor is shutdown, sample reactor coolant water, provide for emergency safety injection, and vent and drain the RCS.

1.3 Report Organization

The sections of this report are organized in accordance with Part II, Section 9.4 of the GIP. These sections include the following:

- Section 1, "Executive Summary and Background Information".
- Section 2, "Seismic Design Basis" (SDB) - The Cook Nuclear Plant Ground Response Spectra (GRS) and In-Structure Response Spectra (ISRS) are described. The initial seismic design of the plant equipment is described. The bases for determining how seismic demand is determined for each equipment class for the USI A-46 evaluations are provided in Section 4, and documented on Screening Verification Data Sheet (SVDS) forms in Appendix C of this report.
- Section 3, "Project Team" - The Cook Nuclear Plant project team is discussed. Resumes for the Seismic Capability Engineers (SCEs) are included in Appendix A of this report.
- Section 4, "USI A-46 Evaluation for Class of Twenty-One Equipment" - Screening Verification and Walkdown results for mechanical and electrical equipment are discussed, in addition to the SVDS forms provided in Appendix C. Instances, when the intent of a caveat rule are satisfied but not the exact wording of the caveat, are identified in Table 4-7. A summary of outliers and their resolution is provided.
- Section 5, "Tanks and Heat Exchanger Review" -Results of the tanks and heat exchangers reviews are discussed, including instances in which the intent, but not the letter, of a caveat is met. A summary of outliers and their resolution is provided.



- Section 6, "Cable Tray and Conduit Raceway Review" -Results of the raceway review, including bounding samples and outliers, are summarized.
- Section 7, "Plan for Addressing Unresolved Outliers" -The plan and schedule for addressing remaining unresolved outliers are discussed.
- Section 8, "Conclusions and Results" -A brief summary of the conclusions and results of the overall USI A-46 project is included.
- Section 9, "References" -References made in the report are listed.

In addition to this report there are two other reports included in the USI A-46 submittal that form the basis of the USI A-46 evaluation at Cook Nuclear Plant. Attachment 1 of the submittal is the "Donald C. Cook Nuclear Plant SSEL Report," that documents the selection of Cook Nuclear Plant Units 1 and 2 safe shutdown paths and associated equipment needed to achieve and maintain a safe shutdown condition for resolution of USI A-46. Attachment 3 of the submittal is the "Donald C. Cook Nuclear Plant USI A-46 Relay Evaluation Report," that documents the relay seismic evaluations for the Cook Nuclear Plant Unit 1 and 2 USI A-46 resolution.

2.0 SEISMIC DESIGN BASIS

2.1 Safe Shutdown Earthquake Ground Response Spectra

The Cook Nuclear Plant is located in Berrien County Michigan along the shore of Lake Michigan. Historically this is a low seismicity area. The plant is conservatively designed for an operating basis earthquake (OBE) level of 0.10 g ground acceleration and a design basis earthquake (DBE) level of 0.2 g ground acceleration. The DBE at Cook Nuclear Plant was used as the Safe Shutdown Earthquake, SSE, for the SQUG GIP evaluations. Vertical ground response is two-thirds of the horizontal value. This was based on the seismicity evaluation in which a judgment was made estimating the maximum intensity (Modified Mercalli Intensity VII-VIII) that would occur at the site. All seismic Class I systems and equipments are designed to withstand the effect of a design basis earthquake and seismic Class II systems and equipment are designed to withstand the loads due to an OBE. The seismic design was based on the ground acceleration response spectrum curves shown in Figure 2-1 for the operational basis earthquake, OBE, and Figure 2-2 for the Design Basis Earthquake, DBE. The DBE becomes the Safe Shutdown Earthquake by definition using the GIP⁽⁵⁾ guidance. The spectra were derived from the "Housner Spectrum" normalized to 0.10g for the OBE and 0.20g for the DBE.

2.2 In-Structure Response Spectra

The in-structure response spectra (ISRS) used for the USI A-46 project are the Cook Nuclear Plant design basis ISRS. A detailed description of the design basis ISRS derivation is contained in the Cook Nuclear Plant 120-day response to Supplement No. 1 to GL 87-02 (AEP:NRC1040A and AEP:NRC:1040B). The applicable floor response spectra (where the equipment is located) are included as part of Appendix B.

The USNRC reviewed the design basis ISRS for Cook Nuclear Plant and the method used for their development prior to the USI A-46 evaluation. The USNRC review concluded that the USNRC staff considers the Cook Nuclear Plant spectra to be "median centered". The Cook Nuclear Plant USI A-46 evaluation treated the spectras as "median centered" as a

result of this review.

The GIP defines "median centered" in-structure response spectra as spectra that would result in using realistic damping and realistic calculational methods while based on a somewhat conservative Ground Response Spectra (i.e. Reg. Guide 1.60, etc.). Conservative In-Structure Spectra are response spectra that have been computed generally in accordance with the conservatism of current NRC Regulatory Guidelines (such as Reg. Guide 1.60 for Ground Spectrum Shape and 1.61 for Damping).

In the case of Cook Nuclear Plant as described in Section 2.1, the SSE Ground Response Spectrum Shape was based upon the recommendation of Housner. This shape is less conservative than Reg. Guide 1.60, however retains an acceptable overall design margin by using lower damping levels than permitted by Reg. Guide 1.61. In review of the plant's "in-structure" response spectra, the NRC took the conservative approach by classifying the in-structure response spectra for all plants included in the SQUG program with Housner Spectra as "median centered".

The ISRS are not available at some of the floor elevations where the safe shutdown equipment is located. When this is the case, either the ISRS for a higher elevation or the ISRS developed by a linear interpolation between existing ISRS may be used in the evaluation. In the case of the Auxiliary Building at Elevation 609 feet, since the interpolated ISRS are very close to the corresponding ISRS for the Diesel Generator Building, the ISRS for the Diesel Generator Building were used.

The designation of the in-structure response spectra as "median centered" had the following impacts on the project: 1) Anchorage calculations were performed using an additional 1.25 factor for computing the seismic demand and 2) an additional 1.50 factor was used for the seismic demand spectra when comparing to Generic Equipment Ruggedness Spectra (GERS) (this had the most impact on the capacity vs. demand evaluations for relays) which are the subject of a separate report included in Attachment 3.

2.3 Definition of Seismic Design Classification

All equipment and structures at Cook Nuclear Plant are classified as Class I, Class II, or Class III as recommended in:

- a. TID-7024, "Nuclear Reactors and Earthquakes" August, 1963⁽⁹⁾ and
- b. G.W. Housner, "Design of Nuclear Power Reactors Against Earthquakes,"⁽¹⁰⁾ Proceedings of the Second World Conference on earthquake Engineering Vol. I, Japan 1960, pg. 133, 134 and 137.

Those structures and components including instruments and controls whose failure might cause or increase the severity of a loss-of-coolant accident or result in an uncontrolled release of excessive amounts of radioactivity are classified Class I. Class I structures and components also include those vital to safe shutdown and isolation of the reactor.

Those structures and components which are important to reactor operation but not essential to safe shutdown and isolation of the reactor and whose failure could not result in the release of substantial amounts of radioactivity are classified Class II.

Those structures and components which are not related to reactor operation or containment are classified as Class III.

The original equipment seismic qualification at Cook Nuclear Plant was per the requirements of Specification DCC-NE-101-QCN, which was based on the draft IEEE-344-1971⁽¹¹⁾ standard. Subsequently, some replacement components have been installed per the requirements of the IEEE 344-1975⁽²⁾ standard.

At the time of the Unit 2 operating license, Cook Nuclear Plant was one of the plants audited by the NRC as part of the Seismic Qualification Review Team (SQRT). As a result, the following items were requalified under the requirements of IEEE-344-1975.

Analysis

1. Diesel Engine Foundation
2. Diesel Engine Lube Oil Sump Tank
3. Diesel Generator Control Panels (DG-AB, DG-CD)
4. Battery Room Exhaust Fans
5. Control Room Air Handling Isolation Dampers
6. Motor Driven Auxiliary Feed Pumps
7. Turbine Driven Auxiliary Feed Pumps
8. Essential Service Water Pumps
9. CCW Heat Exchangers
10. Refueling Water Storage Tanks
11. Main Steam Safety Valves
12. Main Steam Isolation Valves
13. Safety Injection System Front Panel
14. Hot Shutdown Panel
15. Auxiliary Relay Panels

Testing

1. GE Relays
2. Power Relays
3. Control Relays

4. Differential Pressure Indicators (Model 227), Switches (Model 288A) and Transmitters (Model 368)
5. Battery Rack
6. Battery Chargers
7. Switchgears (4KV and 600V)
8. Critical Solenoid Valve Panels
9. Inverters
10. Transfer Switch

The equipment items for Unit 1 are essentially identical to the requalified IEEE-344-75 equipment for the Unit 2 operating license.

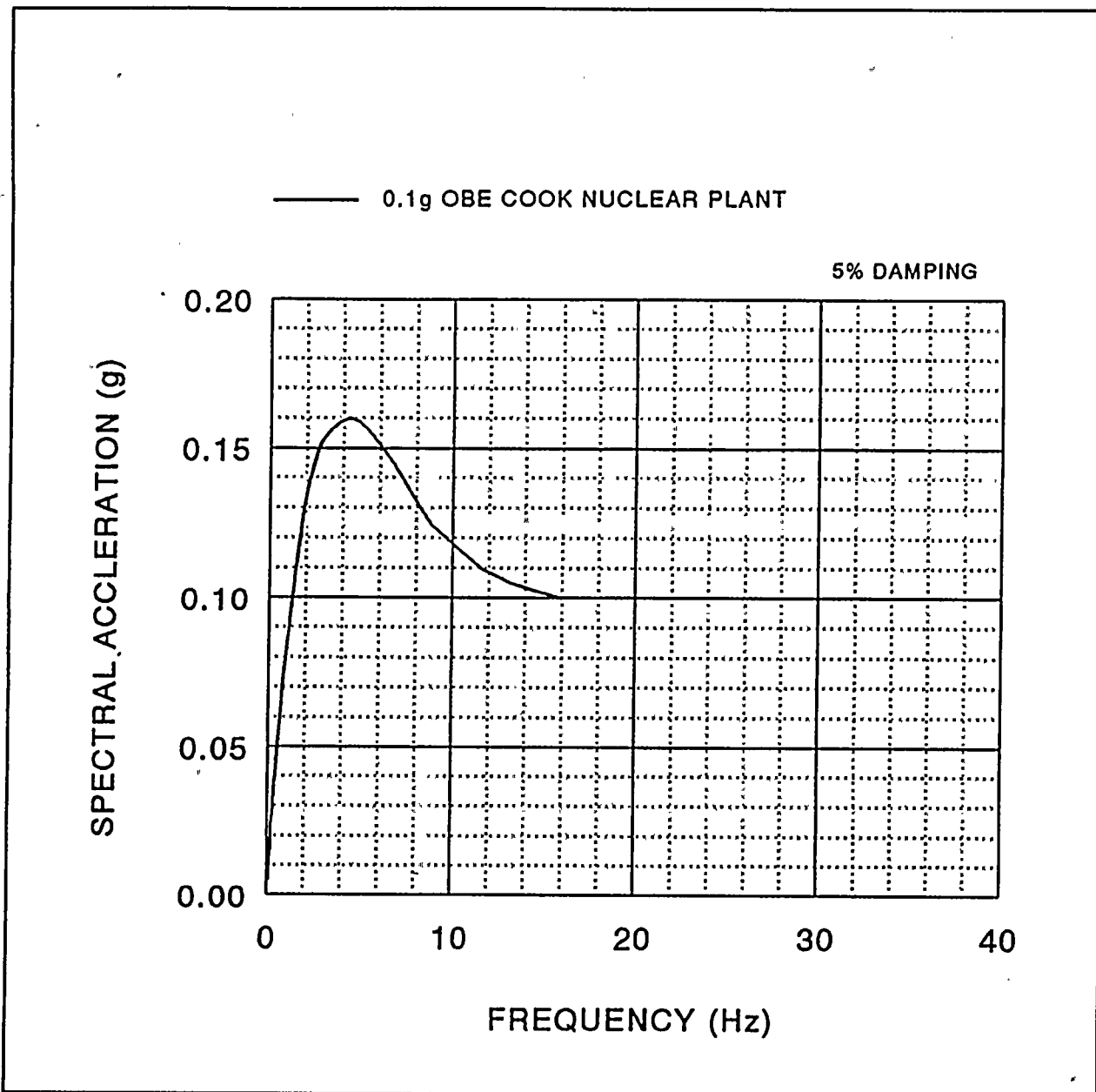


Figure 2-1 Donald C. Cook Nuclear Plant OBE Ground Response Spectrum
5% Damping

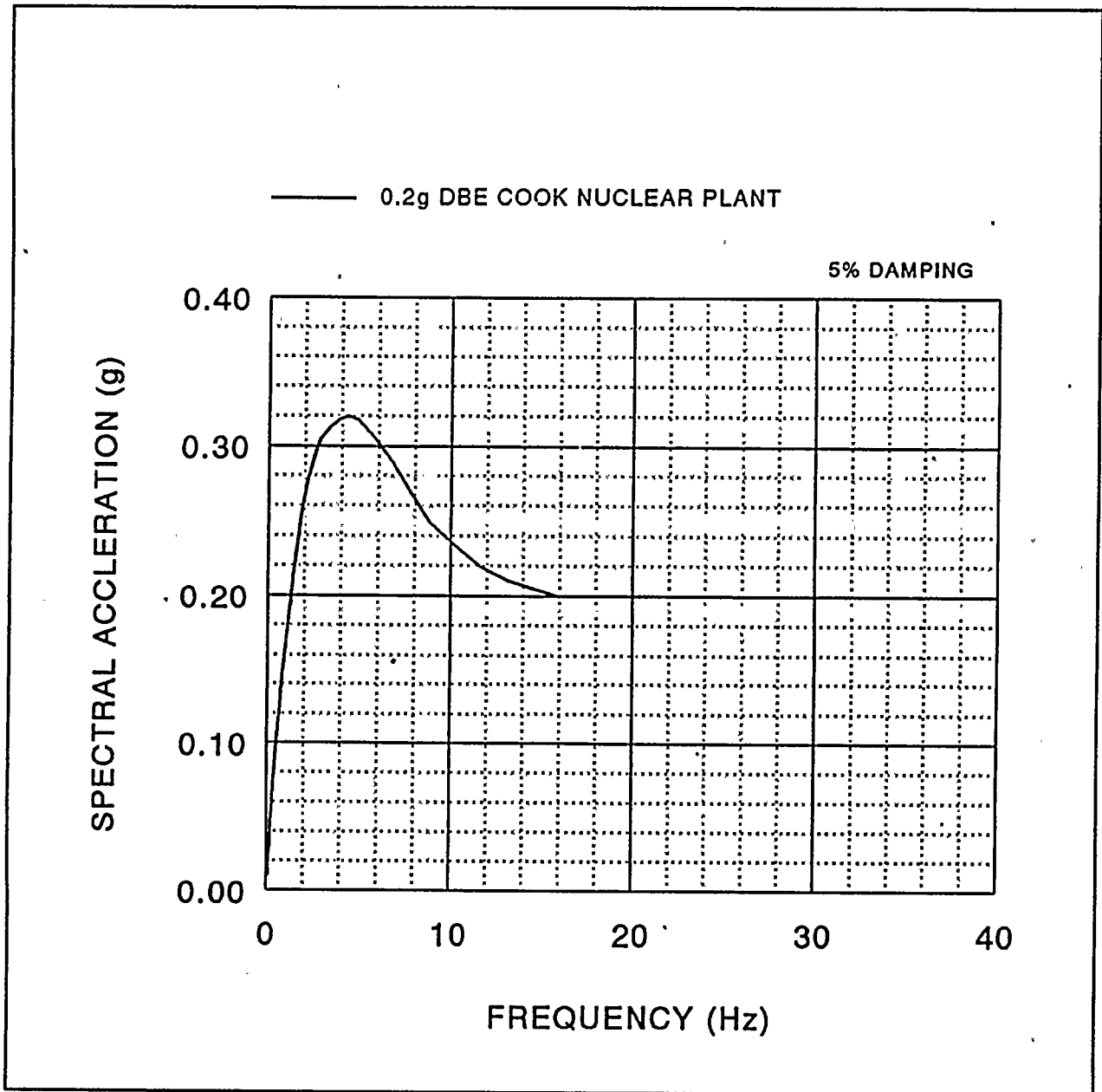


Figure 2-2 Donald C. Cook Nuclear Plant DBE Ground Response Spectrum
5% Damping

Table 2-1
Damping Ratios Used for Design at Cook Nuclear Plant (Table 5.2-4 of the UFSAR)

<u>Type of Structure</u>	<u>Percent of Critical Damping</u>	
	<u>Operating Basis Earthquake</u>	<u>Design Basis Earthquake</u>
Containment Structure and all internal concrete structures	4% * 2% **	7% * 5% **
Other conventionally reinforced concrete structures above grade, such as shear walls or rigid frames	2%	5%
Welded structural steel assemblies	1%	1%
Bolted or riveted steel assemblies	2%	2%
Piping	0.5%	0.5%

(* Analyzed with accident conditions)

(** Analyzed without accident conditions)

Note:

AEC Reg. Guide 1.61 (Oct. 1973) permits the use of higher damping values than those values indicated in this Table.

The damping ratios for the USI A-46 effort are defined in the GIP⁽⁵⁾. For the majority of the equipment classes this is defined as 5% damping.

3.0 PROJECT TEAM

3.1 Integrated Team Approach

The Cook Nuclear Plant SQUG project was a joint engineering effort between the AEPSC Engineering Staff and the Consultant Project Staff (Stevenson and Associates). In addition to the project management and contract management work associated with the use of consultant resources, AEPSC Engineers were integrated with the consultant team in all aspects of the work. AEPSC SQUG task group provided dedicated support for the development of the SSEL, SSEL Reports, Anchorage Inspection Data Sheets, Relay List and Relay List Report and the review of all engineering packages completed for the project (Seismic Evaluation Work Sheets, Cable Tray and Raceway Report, and the Seismic Evaluation Report) and participation as Seismic Walkdown Team Members during the Screening Walkdowns.

3.2 Seismic Review Team

The Walkdown Teams were composed of at least two Seismic Capability Engineers per the GIP. At least one of the Seismic Capability Engineers was a Registered Professional Engineer. With a few exceptions each walkdown team was composed of one Consultant Engineer, one AEPSC Engineer and Systems/Operations Personnel from AEPSC or the Cook Nuclear Plant site staff and one engineer from site design to provide details of the anchor inspection. Seismic Capability Engineers were as follows:

From Stevenson and Associates:

J. D. Stevenson (PE)

W. Djordjevic (PE)

G. G. Thomas

S. Anagnostis

P. R. Wilson (PE)

G. Harstead (PE)

From AEPSC:

T. R. Satyan Sharma (PE)	Project Manager
I.C. Huang (PE)	Structural Engineer
P. Krugh	Structural Engineer
B. A. Svensson	Executive Staff Assistant; Former Assistant Plant Manager, Operations (SRO)
R. P. Leonard	Plant Systems Engineer, (PE)
J. Dunlop	Systems Engineer
R. Steele	Electrical Engineering; Lead Relay Engineer
H. W. Young	Mechanical Engineering, (PE)
J. M. Nieto	Nuclear Engineering/ Safety & Licensing
K. Mahajan	Electrical Engineering, (PE)
T. Jeyasekaran	Site Design
M. Baskerville	Electrical Design

Resumes for the walkdown team members are included in Appendix A.

3.3 Peer Reviewers

Dr. Robert P. Kennedy of RPK-Structural Mechanics Consulting performed the peer review for the USI A-46 project at Cook Nuclear Plant. Dr. Kennedy's review covered all seismic evaluation areas of the project and included a review of the draft report, two visits to the plant site during the Screening Walkdowns for a sample walkdown and a review of the documentation.

4.0 USI A-46 EVALUATION FOR CLASS OF TWENTY-ONE EQUIPMENT

4.1 Overall Approach Taken

SQUG developed the GIP to provide an experience data base, technical approach, generic procedure, and documentation requirements which can be used by owners of currently operating nuclear power plants to address the requirements of GL 87-02⁽⁴⁾. SQUG has worked closely with EPRI since 1982 to provide information to the NRC staff to assist in the resolution of USI A-46. The GIP was used to address the NRC's Unresolved Safety Issue (USI) A-46, "Seismic Qualification of Equipment in Operating Plants," as required by NRC Generic Letter 87-02 and supporting documents.

Final project data was recorded using Stevenson & Associates proprietary program called the GIPPER⁽¹²⁾. The Objective of the GIPPER Software Package (of which ANCHOR4 is a part) is to create and maintain the set of USI A-46 data bases for plant specific seismic verification data and to provide the tools to implement the analytical procedures specified in GIP.

The GIPPER is a Windows-based expert system, designed to simplify and fully digitize the GIP and provides the necessary documentation for seismic verification of nuclear plant equipment, as well as serve as a SQUG configuration control tool.

The GIPPER contains GIP caveats, procedures, and reporting data necessary to perform seismic evaluations. Through the GIPPER, the following information is stored and maintained in electronic databases:

- Safe Shutdown Equipment Lists (SSEL)
- Seismic Evaluation Work Sheets (SEWS)
- Outlier Seismic Verification Sheets (OSVS)
- Raceway Plant Area Summaries
- Spectra Comparisons
- Anchorage Evaluations

- Tank Evaluations
- Relay Evaluations
- Photos
- Drawing/ Sketches
- Documents

The evaluation of an item of equipment or relay can be revised, and all revised states of each item are documented and retrievable. Complete evaluation reports are generated through the GIPPER's printing options.

Hard copies of the required forms including the Screening Verification Data Sheets (SVDS), and Screening Evaluation Work Sheets (SEWS), were developed and signed by the Seismic Capability Engineers. The references which document the criteria and procedures used for this walkdown, are the SSRAP report⁽¹³⁾, URS anchorage report⁽¹⁴⁾, and the USNRC SSER No. 2 on the GIP.⁽⁶⁾

4.2 Seismic Screening Guidelines

The procedure for performing the Screening Verification and Walkdown is based on the following four seismic screening guidelines:

1. Seismic Capacity vs. Seismic Demand - The seismic capacity of the equipment, based on earthquake experience data, generic seismic testing data, or equipment-specific seismic qualification data, should be greater than the seismic demand imposed on the equipment by the safe shutdown earthquake (SSE).
2. Caveat Compliance - In order to use the seismic capacity defined by the earthquake experience Bounding Spectrum, the equipment should be similar to the equipment in the earthquake experience equipment class and also meet the intent of the specific caveats for that class of equipment. If equipment-specific seismic qualification data is used, then any specific restrictions or

caveats for that qualification data apply instead.

3. Anchorage Adequacy - The equipment anchorage capacity, installation, and stiffness should be adequate to withstand the seismic demand from the SSE at the equipment location.
4. Seismic Interaction Checks - The effect of possible seismic spatial interactions with nearby equipment, systems, and structures should not cause the equipment to fail to perform its intended safe shutdown function.

The evaluation of equipment against each of these four screening guidelines at Cook Nuclear Plant is based upon walkdown evaluations, calculations, and other supporting data.

4.2.1 Seismic Capacity Vs. Demand

Cook Nuclear Plant determined the seismic capacity of safe shutdown equipment using:

- Earthquake experience data with capacity defined by the Bounding Spectrum;
- Equipment-specific seismic qualification data, or data on similar equipment.

The seismic demand imposed on an item of equipment depends on whether or not the ground spectrum or amplified floor response spectra were used, and how it is compared to the capacity data.

As described in the SSRAP report⁽¹³⁾, well anchored industrial grade equipment have performed well in earthquakes with a magnitude much greater than the SSE defined earthquake at Cook Nuclear Plant. Figure 4-1 shows a comparison of the 5% damped SSE design basis response spectrum and the 5% damped response spectra for the earthquakes used to develop the SSRAP Bounding Spectrum. As demonstrated by this figure, equipment in these facilities were subjected to much greater vibration than expected at the Cook Nuclear Plant site.

The SSRAP Bounding Spectrum recommended for use during GL 87-02/USI A-46 evaluations in Reference 13 and adopted by the SQUG GIP envelopes the Cook Nuclear Plant SSE ground response spectra over the entire frequency range as shown in Figure 4-2.

Generally, conservative floor spectra were compared to 1.5 times the bounding spectrum. To a lesser extent, the ground spectrum was compared to the bounding spectrum for equipment within about 40 feet of grade with an estimated fundamental frequency greater than 8 Hz. Newer, upgraded equipment that had been seismically qualified in accordance with the IEEE 344 Standard, 1975 Edition or later, was accepted based on this documentation and was supplemented by an additional review as documented in the Seismic Evaluation Work Sheets, SEWS, by the SRT's.

For purposes of determining the 40 feet Above Grade elevation, effective grade for the site and/or each building must be determined. "Effective grade" at a nuclear plant is defined as the average elevation of the ground surrounding the building along its perimeter. As Cook Nuclear Plant is a soil site, effective grade was established at 608 feet.

4.2.2 Caveat Compliance

The second screening guideline which must be satisfied to verify the seismic adequacy of an item of mechanical or electrical equipment is to confirm that (1) the equipment characteristics are generally similar to the earthquake experience equipment class and (2) the equipment meets the intent of the specific caveats for the equipment class. This review is only necessary when the Bounding Spectrum is used to represent the seismic capacity of an item of equipment. If equipment-specific seismic qualification data is used instead, then only the specific restrictions applicable to that equipment-specific qualification data need be applied.

Another aspect of verifying the seismic adequacy of equipment included within the scope of this procedure is explained by the "rule of the box." For the equipment included in either the earthquake or testing equipment class all of the components mounted on or in this equipment are considered to be part of that equipment and do not have to be evaluated



separately. However, the walkdown engineers did look for suspicious details or uncommon situations which could make the equipment item vulnerable.

An item of equipment should have the same general characteristics as the equipment in the earthquake experience equipment class. The intent of this caveat is to preclude items of equipment with unusual designs and characteristics which have not demonstrated seismic adequacy in earthquakes or tests.

"Caveats" are defined as the set of inclusion and exclusion rules which represent specific characteristics and features particularly important for seismic adequacy of a particular class of equipment. Appendix B of the GIP contains a summary of the caveats for the earthquake experience equipment class and for the generic seismic testing equipment class.

The "intent" of the caveats should be met when evaluating an item of equipment as they are not fixed, inflexible rules. Engineering judgment is used to determine whether the specific seismic concern addressed by the caveat is met. Each item of equipment should be evaluated to determine whether it meets the specific wording of the applicable caveats and their intent. However, if an item of equipment meets the intent of the caveats but the specific wording of the caveat rule is not met, then that item is considered to have met the caveat. At Cook Nuclear Plant, a small number of SSEL items were judged to meet the intent, if not the exact wording of a caveat and these cases are reported in Subsection 4.6.6 of this report.

4.2.3 Anchorage Adequacy

Anchorage adequacy was verified with an approach incorporating three elements:

- Comparison of the anchorage capacity with the seismic demand.
- Evaluation of the anchorage to verify that it is free of gross installation defects.
- Evaluation of the equipment anchorage load path to verify that there is adequate stiffness and strength.

The screening approach for verifying the seismic adequacy of equipment anchorage is based upon a combination of inspections, analyses, and engineering judgment. Inspections consist of measurements and visual evaluations of the equipment and its anchorage, supplemented by use of plant documentation and drawings. Analyses compare the anchorage capacity to the seismic loadings (demand) imposed upon the anchorage. These analyses were done using the guidelines in Section 4 and Appendix C of the GIP. Engineering judgment is also an important element in the evaluation of equipment anchorage. As a general rule, all unique significantly sized equipment items were rigorously analyzed using the ANCHOR4 software package developed by Stevenson & Associates that is included in the GIPPER software. Small equipment, weighing usually 100 lbs. or less was accepted by judgment and a "tug test". The tug test simply involves pulling on the device (say, a wall-mounted transmitter) with a force to exceed 2-3 g's of equivalent acceleration. Other instances where judgment was used included basing anchorage adequacy on calculations for anchorage from other equipment items at Cook Nuclear Plant.

The four main steps used to evaluate seismic adequacy of equipment anchorages at Cook Nuclear Plant followed the guidance of the GIP and are shown below:

1. Anchorage Installation Inspection
2. Anchorage Capacity Determination
3. Seismic Demand Determination
4. Comparison of Capacity to Demand

The first main step in evaluating the seismic adequacy of anchorages is to check the anchorage installation and its connection to the base of the equipment. This inspection consists of visual checks and measurements along with a review of plant documentation and drawings where necessary.

Prior to the walkdown, site technicians were trained on the anchorage inspection procedures and requirements of the GIP. Using this training, the site technicians documented the anchorage configuration for each equipment item, including the length and size of the welds, embedment length of cast in place and expansion anchors, concrete quality (cracking or

spalling), etc. The as-built anchorage drawings reduced the walkdown effort substantially and aided in the quick calculation of the equipment anchorage capacity. The SRT, however, also looked at the anchorage in the field and investigated any observed inconsistencies with the plant as-built drawings. In general the technician generated Anchorage Inspection Data Sheets included all instances of potential anchorage or concrete deficiencies (spalled concrete, missing bolt washers, etc.). Most of the time these potential deficiencies were reconciled by further SRT inspection. The Anchorage Inspection Data Sheets are included with the detailed SEWS.

All accessible anchorages were visually inspected. A check of the following equipment anchorage attributes was made:

1. Equipment Characteristics
2. Type of Anchorage
3. Size and Location of Anchorage
4. Installation Adequacy
5. Embedment Length
6. Gap at Threaded Anchors
7. Spacing Between Anchorages
8. Edge Distance
9. Concrete Strength and Condition
10. Concrete Crack Locations and Sizes
11. Essential Relays in Cabinets
12. Equipment Base Stiffness/Prying Action
13. Equipment Base Strength/Structural Load Path
14. Embedment Steel and Pads

The equipment damping for certain classes of equipment are given in Section C.1 of the GIP and were used in this study.

For expansion anchors, a tightness check is required to detect gross installation defects (such as oversized concrete holes, total lack of preload, loose nuts, damaged subsurface concrete, and missing plug for shell types) which would leave the anchor loose in the hole. The tightness check was waived for expansion anchors supporting raceway hangers. The tightness check for expansion anchors is accomplished by applying a torque to the anchor by hand until the anchor was "wrench tight," i.e., tightened without excessive exertion. If the anchor bolt or nut rotates less than about 1/4 turn, then the anchor is considered tight. The tightness checks and embedment checks were performed during the detailed anchorage inspections.

The second main step in evaluating the seismic adequacy of anchorages is to determine the allowable capacity of anchors used to secure an item of equipment. The allowable capacity is obtained by multiplying the nominal allowable capacities by the applicable capacity reduction factors. The nominal capacities and reduction factors are obtained from Appendix C of the GIP, based on the results of the anchorage installation inspection checks.

The pullout capacity allowable is based on the product of the nominal pullout capacity and the applicable capacity reduction factors:

$$P_{all} = P_{nom} RT_p RL_p RS_p RE_p RF_p RC_p RR_p$$

Where: P_{all} = Allowable Pullout capacity of installed anchor (kip)

P_{nom} = Nominal allowable Pullout capacity (kip)

RT_p = Reduction factor for the Type of expansion anchors

RL_p = Reduction factor for short embedment Lengths

RS_p = Reduction factor for closely Spaced anchors

RE_p = Reduction factor for near Edge anchors

$RF_p =$ Reduction factor for low strength (f'_c) concrete

$RC_p =$ Reduction factor for Cracked concrete

$RR_p =$ Reduction factor for expansion anchors securing equipment with
essential Relays

The shear capacity allowable is based on the product of the nominal shear capacity and the applicable capacity reduction factors:

$$V_{all} = V_{nom} RT_s RL_s RS_s RE_s RF_s RR_s$$

Where: $V_{all} =$ Allowable shear capacity of installed anchor (kip)

$V_{nom} =$ Nominal allowable shear capacity (kip)

$RT_s =$ Reduction factor for the Type of expansion anchors

$RL_s =$ Reduction factor for short embedment Lengths

$RS_s =$ Reduction factor for closely Spaced anchors

$RE_s =$ Reduction factor for near Edge anchors

$RF_s =$ Reduction factor for low strength (f'_c) concrete

$RR_s =$ Reduction factor for expansion anchors securing equipment
with essential Relays

Note that the pullout and shear capacities for anchors given above are based on having adequate stiffness in the base of the equipment and on not applying significant prying action to the anchor. If Base Stiffness and Prying Action show that stiffness is not adequate or that significant prying action is applied to the anchors, then the Seismic Capability Engineers lowered the allowable capacity loads accordingly.

The third step in evaluating the anchorages was to determine the seismic demand imposed



on the equipment. The demand was established based on the type of demand spectrum used. If the amplified floor spectra were used, an additional 1.25 factor of conservatism was used to establish the demand load since the floor spectra were deemed realistic mean centered. The demand load was simply determined based on spectral acceleration value times the weight of the equipment. Equipment weight was estimated by either using the drawing weight or the maximum weights given in Table C.1-1 of the GIP. Estimates of fundamental frequency were based on shake table or in situ vibration tests and use of Table C.1-1 of the GIP. If the item was deemed rigid, the zero period acceleration (ZPA) was used. If the item was deemed flexible, the peak of the response spectrum above the fundamental frequency was used. If the fundamental frequency is given in the SEWS, then the largest spectral acceleration in the range from that estimated frequency to the ZPA is used. If the ground spectrum is used for demand, then 1.875 times the appropriate spectral acceleration is used where 1.875 is the product of 1.5, the median amplification factor, and 1.25, the additional anchorage factor of conservatism for non-conservative demand spectra.

In the original design of the plant, many electrical equipment were seismically qualified by testing. This data was a valuable tool for estimating the lowest natural frequency of this equipment, since this was defined by a resonance search of the equipment. Many mechanical equipment items were rigorously analyzed, and as such had a calculated estimate of the first natural frequency. In addition, Report No. MT2, "Summary Report of Fundamental Frequencies Determined By In-Situ Transfer Function Testing at Cook Nuclear Plant," dated August 10, 1994⁽¹⁵⁾ documents the testing of several electrical equipment items. The minimum fundamental frequency from these tests was determined for most generic electrical equipment items at Cook Nuclear Plant. These included various cabinets, panels, unistrut racks, switchgear, MCC's, and inverters. This report was also a valuable tool for estimating frequencies.

The fourth and final step to complete the anchorage evaluation compares the seismic demand to the anchorage capacity. If the demand is less than the capacity, the anchorage is acceptable; otherwise, the equipment item is declared an outlier.

4.2.4 Seismic Interaction Checks

The fourth and final screening guideline used to verify the seismic adequacy of an item of mechanical or electrical equipment was to confirm that there were no adverse seismic spatial interactions with nearby equipment, systems, and structures which could cause the equipment to fail to perform its intended safe shutdown function. The interactions of concern are (1) proximity effects, (2) structural failure and falling, and (3) flexibility of attached lines and cables. Guidelines for judging interaction effects when verifying the seismic adequacy of equipment are presented in Appendix D of the GIP.

During the plant walkdowns at Cook Nuclear Plant, the SRT's identified only a few interaction concerns. These particular issues and their resolution are discussed in detail in Section 4.6.5.

Overhead piping systems and ductwork were closely examined in all plant areas containing A-46 equipment. The SRT's identified very few potential vulnerabilities and noted that the distribution systems were, in general well supported.

4.3 Outlier Resolution

An outlier is defined as an item of equipment which does not meet the screening guidelines noted above. An outlier may be shown to be adequate for seismic loadings by performing additional evaluations such as the seismic qualification techniques currently being used in newer nuclear power plants. These additional evaluations and alternate methods recommended by the SRT were documented on the Outlier Seismic Verification Sheets (OSVS).

4.4 Other Types of Seismic Evaluations and Interfaces

In addition to the seismic evaluations covered in Section 4 for active mechanical and electrical equipment, seismic evaluations for two other types of equipment are covered in



other sections as follows:

- Section 5 - Tanks and Heat Exchangers Review
- Section 6 - Cable and Conduit Raceways Review

While seismic evaluations of the above items can generally be performed independently from those for active mechanical and electrical equipment, there are a few areas where an interface with the Relay Functionality Review is appropriate:

- Any cabinets containing essential relays, as determined by the relay review, should be evaluated for seismic adequacy using the guidelines contained in this section.
- A capacity reduction factor should be applied to expansion anchor bolts which secure cabinets containing essential relays. The capacity reduction factor is discussed in Section 4.4 and Appendix C of the GIP.
- Seismic interaction, including even mild bumping, is not allowed on cabinets containing essential relays. This limitation is discussed in Section 4.5 of the GIP.
- In-cabinet amplification factors for cabinets containing essential relays may be estimated, using the guidelines in Section 6 of the GIP, by the Seismic Capability Engineers for use in the Relay Functionality Review.

Equipment items containing relays are listed in Table 4-1 for Unit 1 and Table 4-2 for Unit 2. The special requirements for equipment containing relays were applicable to these items.

4.5 Documentation

AEP documented the results of the Screening Verification and Walkdown for Cook Nuclear Plant on Screening Verification Data Sheets (SVDS) in Appendix C.

As discussed in Section 4.4, the discussion of the review of Heat Exchangers & Tanks and

Cable Tray & Conduit Raceways is given in Sections 5 and 6, respectively.

Outliers and other concerns identified during the USI A-46 effort for all equipment are discussed in Sections 4.6, 4.7, and 7.0. The Relay Functionality Assessment is given in a separately bound report entitled, "Donald C. Cook Nuclear Plant USI A-46 Relay Evaluation Report."

4.6 Class of Twenty-One Evaluation Results

This section of the USI A-46 report documents the seismic screening results for the mechanical and electrical equipment items.

The screening walkdowns gathered the necessary data to support the screening process and to implement the requirements of the GIP. Included in the scope of this effort were the evaluations performed following the screening walkdown to demonstrate the basis for screening decisions made during the walkdown. The seismic capability walkdowns also served to collect any additional data needed to complete the component evaluations. Results of the Screening and Verification Walkdowns were documented on the Screening Evaluation Work Sheets (SEWS). Photographs were also taken during the walkdowns as part of the data recording process. Photographs taken during the walkdown are included on the individual SEWS for the equipment.

In addition to the screening evaluations performed during the Seismic Screening and Verification Walkdowns, an anchorage inspection walkdown was conducted. Bolt tightness checks on all accessible equipment items bolted to a concrete floor or wall were performed as described in Section 4.2.3. The results of the tightness checks were documented on the sketches and notes of the Anchor Inspection Data Sheets prepared for each equipment item that are signed by the anchorage inspection team.

The Cook Nuclear Plant site design personnel performed detailed anchorage inspections, and documented the results on the Anchorage Inspection Data Sheets, which included detailed information on all anchorages (length, size, gaps, dimensions, concrete

imperfections, etc). The Seismic Review Capability Engineers reviewed and provided a final check for the anchorage checks during the SRT walkdowns.

The SRT performed a visual inspection of the anchorage and made final judgment on the anchorage condition. Reduction factors for the anchorage were taken for any conditions judged by the SRT to warrant a reduction in accordance with the GIP. In general the technicians performing the anchorage walkdowns documented any observable imperfections, regardless of whether the condition warranted a reduction or not.

Using the results from the anchorage inspections and tightness checks, anchorage evaluations were performed using ANCHOR4 in the "GIPPER" Software package after the completion of the Seismic Screening And Verification Walkdowns.

The walkdowns were performed in several stages as follows:

- 1) Trial Plant Walkdown of thirty-five Unit 1 RHR System Components and selected Electrical Equipment items, the week of July 15, 1991.
- 2) Unit 1 Electrical and Containment Outage Walkdown the week of July 18, 1992.
- 3) Unit 2 Electrical and Containment Outage Walkdown the week of October 29, 1992.
- 4) Balance of Plant Equipment Walkdowns the weeks of October 4, 1993, October 18, 1993, November 1, 1993, and November 15, 1993.
- 5) Miscellaneous Equipment Walkdowns the weeks of April 11, 1994 and September 26, 1994.

The walkdown comments of the SRT's were documented in the notes of the SEWS for the various items. The signed Screening Verification Data Sheets (SVDS) for the walkdowns are included by each Walkdown Team in Appendix C.

The Seismic Verification and Evaluation Walkdowns included the evaluation of 901 equipment items requiring a seismic walkdown for Unit 1, and 877 equipment items for Unit 2. Of these equipment items, many were evaluated using the "Rule of the Box". However,

each of these "box" components were inspected on the parent item and evaluated using engineering judgment that; (a) the item was in the database, (b) the attachment of the item to the parent was adequate and, (c) that there were no adverse seismic interactions for the item. This evaluation is documented on the SEWS and SVDS for the item. Tables 4-3 and 4-4 indicate the breakdown by class of the 901 and 877 equipment items requiring a seismic walkdown in Unit 1 and 2 respectively.

The walkdowns and seismic evaluations performed for the USI A-46 effort identified 47 equipment items that were outliers for Unit 1 and 39 equipment items that were outliers for Unit 2. Outlier issues and the recommended resolution by the SRT are included as Tables 4.5 and 4.6 for Unit 1 and Unit 2 respectively.

Seismic concerns, open items, and other maintenance concerns identified during the walkdowns and evaluations were tracked using AEPNO Procedure No. 66100-LTG-5400-16 SQUG Action Item Report. By the conclusion of the USI A-46 effort and the submittal of this report most of these issues had been reconciled either on a Screening Basis using the GIP guidance, or by designating the item as an outlier. Table 4-8 lists those SQUG Action Items for Class of 21 equipment not identified as outliers but requires some plant action (replacing missing ID tags, tightening a loose redundant bolt, etc.), and generic issues. There were four generic interaction concerns and one generic conduit concern that is being tracked using the SQUG Action Item Report.

These Generic Interaction Issues included general seismic housekeeping issues in the Control Room, overhead sodium lamps with open hooks in the Diesel Generator Room, portable fire extinguishers mounted on small hooks, and loose tie-down cables on Emergency Battery Lights. Rather than make a number of equipment items outliers due to these generic concerns, we believe that a more complete resolution could be provided on a plant generic basis. Issues still being tracked at the time of this submittal for Class of 21 equipment using the SQUG Action Items are included in Table 4-8.

Many of the concerns identified lent themselves to minor plant modifications. The final



documentation (SEWS and SVDS) for the project reflect the field conditions at the time when the walkdown was completed for a particular component. All other equipment items were screened successfully, except those described in Sections 4.6.2 to 4.6.5 of this report.

Tables 4-5 and 4-6 list all the 47 and 39 outlier equipment items in Unit 1 and 2 respectively. In Unit 1 there were nine equipment items with two outlier issues (See 'issue' column in Table 4-5), and therefore there were 56 total issues. Thirteen issues were due to Capacity vs Demand, twelve because of caveats, ten due to anchorage, twenty due to seismic interaction concerns, and one due to other issues.

In Unit 2 there were eight equipment items with two outlier issues (See 'issue' column in Table 4-6), and therefore, there were 47 total issues. Nine issues were due to Capacity vs Demand, eleven due to caveats, seven due to anchorage, eighteen due to interaction, and two due to other issues.

4.6.1 Equipment Characteristics

Equipment at the Cook Nuclear Plant is typical of equipment in Nuclear Power facilities of the late 60's and early 70's vintage. Equipment at the Cook Nuclear Plant is well represented in the earthquake experience data base and met caveat no. 1 for Class 20 equipment items.

The results of the seismic walkdown are summarized as follows:

There are some equipment items identified as Class 0 in Unit 1 and 2 which were primarily passive, and were similar to items considered as components of the class of 21 equipment. For these equipment items the SRT assessed the potential for seismic damage and made the necessary evaluations. All these items were at locations in the plant where 1.5 times the Bounding Spectrum is greater than the floor response spectra where they were located.

The MCC's were all Cutler-Hammer MCC's, 90 inches in height by 20 inches by 20 inches. The MCC's were normally welded in the back and were either J-bolted or expansion

anchored in the front. Some were bolted on both sides.

The Class 2 and 3 switchgears were made by ITE Imperial Corporation. The weak link in the anchorage for them was plug welds. The loading on the anchorage was only in shear because of the natural frequency of the switchgear and their high aspect ratio. The Reactor Trip Breakers (Class 2) were Westinghouse DB-50 variety and were fillet welded to embeds in the front and back.

Class 4 transformers varied greatly in size and function. There were very small transformers (1 foot-9 inches by 1 foot-8 inches) mounted in the Diesel Generator Room panels, transformers in medium sized enclosures (4 feet-6 inches by 2 feet-6 inches by 2 feet-4 inches), and very large 600 VAC Bus supply transformers that are 8 feet-6 inches by 8 feet-10 inches by 5 feet and weigh 11,800 lbs. The transformers were all well anchored, primarily by expansion anchors. Manufacturers included Solidstate Controls, Square D, and BBC Brown Boveri.

Class 5 horizontal pumps varied from very small pumps such as the 135 lb Diesel Lube Oil Filter Pumps, pumps weighing 2020 lbs, 9580 lbs, 15500 lbs, and the very large Centrifugal Charging Pumps. Pumps were generally very well anchored with cast-in-place J-bolts or bolts with headed studs. All easily passed the ANCHOR analyses.

Class 6 vertical pumps include the RHR Pumps, Containment Spray Pumps, and the very large ESW Pumps. The ESW Pumps were larger than those included in the database. However, seismic adequacy was demonstrated by analysis.

The Class 7 and 8 valves had many manufacturers, depending on their size and function. Documentation normally existed demonstrating that the yokes and bodies were of steel. Several valves were outside the limits of the database. However, all met the caveat restrictions by demonstrating the yoke had acceptable stress when subjected to a 3g load. Motor operators were almost exclusively of the Limitorque variety.

The Class 9, 10, and 12 fans, air handlers, and air compressors were of several different

manufacturers and a variety of sizes. Anchorage types also varied greatly, but in general were very well anchored, (other than outliers 2-HV-AES-1 and 2), and have adequate anchorage margins.

The Class 11 chiller units were mounted on non-seismic vibration isolators, and were outliers because of this issue. The condensers and evaporators were considered as part of the chiller package during the walkdown.

Class 14 distribution panels were normally small wall mounted units that had very high anchorage margins. There were several different manufacturers.

Class 15 battery racks were two step racks. Two of the racks had their anchorage greatly upgraded. Anchorage for all the units met the GIP requirements. Some of the batteries are now greater than 10 years old and will be replaced using the criteria stated in ANSI/IEEE STD 450-1987.

Class 16 battery chargers varied in size from 2 feet-9 inches x 2 feet x 3 feet-4 inches in height, to larger units 6 feet in height. The chargers were normally anchored with at least four 1/2 inch expansion anchors.

The Class 17 Diesel Generators were very large and manufactured by Worthington Industries. Many of the supporting components were separate from the Diesel skid.

Class 18 transmitters were manufactured by Mercoid, Magnetrol International, Foxboro, and Gamma-Metrics. They were normally small (25 lb to 35 lb) and individually supported.

Class 19 temperature sensors were small, well supported, and seismically rugged.

Class 20 control panels and cabinets were either very rugged stand alone panels or part of the Main Control Board. The stand alone panels were typically anchored with expansion bolts. The Main Control Board panels were welded to embeds at the base and braced against the walls of the Control Room.

Class 21 tanks and heat exchangers include the large flat bottom tanks and the horizontal saddle supported heat exchangers that have specific GIP criteria. These are discussed in Section 5 of this report. Other tanks and heat exchangers include large buried horizontal tanks, (Diesel Fuel Oil Storage Tanks), tanks supported on legs, (e.g. Boron Injection Tanks), large vertical exchangers supported at the base and braced at the top, (e.g. RHR Heat Exchangers), and small exchangers to cool oil on pumps.

There are 63 and 58 equipment items identified as Class 21 in Unit 1 and 2 respectively. Of these tanks and heat exchangers there were only 20 where the GIP criteria was applicable. The remaining 101 were evaluated by meeting the intent of the GIP criteria. Anchorage was evaluated using the GIP criteria.

4.6.2 Seismic Capacity Vs. Demand Results

There were twenty-two equipment items in Unit 1 and 2 combined that were outliers due to the capacity vs. demand issue.

Seismic Capacity vs. Demand was primarily satisfied by use of the Earthquake Experience Bounding Spectrum. As shown in Figure 4-1 there is substantial margin between the 5 percent damped Cook Nuclear Plant Horizontal SSE Ground Response Spectrum and the four California earthquakes that were the basis of the Bounding Spectrum. Figure 4-2 shows the margin between the Cook Nuclear Plant 5 percent damped SSE Ground Response Spectrum and the Bounding Spectrum.

For screening seismic adequacy purposes, two methods are used: 1) Comparison of ground spectra to bounding spectra and 2) Comparison of floor spectra to 1.5 times bounding spectra. Since most equipment items are below 40 feet above grade and could be shown to have a first natural frequency above 8 Hz using the in-situ modal test results in Reference 15, the Cook Nuclear Plant Ground Spectrum vs. Bounding Spectrum comparison could be used. However, it is noted that the major electrical equipment items tested as documented



in Ref. 15 also pass the Capacity vs. Demand requirements by comparing the 1.5 times the Bounding Spectrum to the Cook Nuclear Plant Floor Response Spectrum. Both methods were used to meet the capacity vs. demand requirement.

As indicated in Tables 4-5 and 4-6, there were twenty-two items in Unit 1 and 2 combined that were outliers due to the Capacity vs. Demand issue. These were generally small valves in the upper portions of the Containment Building. They will be resolved by comparing test data of the valves to piping analysis results indicating the seismic demand on the valves at the SSE level. It is worth noting that these valves would easily screen using the Seismic Margins methodology for a 0.3g ZPA earthquake, since that program does not have a 40 foot limitation on use of the ground spectrum.

4.6.3 Equipment Class Description/Caveat Results

Equipment items at Cook Nuclear Plant have configurations typical of equipment of the late 1960's - early 1970's vintage. The Cook Nuclear Plant used the same equipment manufacturers for similar items in Unit 1 and 2. Electrical equipment was from only a few sources. Almost all motor operators were Limitorque. Mechanical equipment including valves were from a wider range of vendors, depending on the equipment size and function. The equipment was quite typical of equipment found in other nuclear facilities of the same vintage, and easily met the description caveats for a given class.

As indicated in Tables 4-5 and 4-6, there were twenty-three equipment items in Unit 1 and 2 combined that had caveat concerns. These were due to two valves that were in contact with a pipe whip restraint (also an interaction issue), two pumps with long unsupported piping, four chillers on non-seismically designed vibration isolators, four electrical panels with essential relays and not bolted to the adjacent panel, four panels with components that were inadequately latched and could slide out, one switchgear with essential relays not bolted to an adjacent cabinet and two because of inadequate anchorage embedment (also an anchorage concern), and four battery racks that had some batteries older than 10 years.

4.6.4 Equipment Anchorage Results

Equipment anchorages at Cook Nuclear Plant were of many different types and included welds to embedded steel, and many types of expansion bolts and cast-in-place J-bolts and headed studs.

Electrical equipment were either bolted with expansion anchor bolts or welded to an embed, or combination of the two. Most of the expansion anchors were determined to be either Phillips or Hilti variety. The applicable anchorage reduction factor for the type of anchorage was taken. When the type could not be determined the 0.6 factor for unknown expansion bolts was taken.

The MCC's, for example, were typically welded to embedments with fillet welds at the base in the rear and expansion bolted or J-bolted in the front. Switchgear were typically welded to embeds with plug welds through holes in the base frame of the unit provided by the manufacturer. Stand alone control panels, bench boards, battery chargers and inverters were typically anchored to the floor with expansion anchor bolts or J-bolts. Distribution panels were typically expansion anchor bolted to the supporting wall or bolted to embedded unistrut. The main control board was both anchored at the base with welds to embeds and braced against the wall with expansion bolts. Mechanical equipment and large tanks were typically anchored with cast-in-place J-bolts or headed studs. The vast majority of the anchorage was covered by the criteria in the GIP. With very few exceptions, the bolts for floor anchored equipment were accessible and were bolt tightness tested. Many of the wall mounted panels could not have their anchorage tightness checked due to inaccessibility.

There were only 17 items that were outliers due to anchorage. These included two pumps where the embedment length could not be determined, four chillers with non-seismically designed vibration isolators, three components where nozzle loads are unknown and need to be included in the anchorage analysis, four small instruments mounted on a common support with a missing bolt at its base, two panels with expansion anchors only in the pad

above the base concrete, and two fans with anchors with inadequate embedment.

4.6.5 Seismic Interaction and Other Issues

During the plant walkdowns, the SRT's identified thirty-eight total interaction concerns in Unit 1 and Unit 2 combined on individual equipment items, and four generic concerns that are being tracked by the SQUG Action Item tracking as discussed in Section 4.6. The SRT's identified no vulnerabilities with regard to the distribution systems and noted that these systems were well supported.

There were 38 equipment items that were identified as interaction outliers in Unit 1 and 2 combined, not encompassed by the generic interaction action items (such as open hooks on overhead lights, brackets for wall mounted fire extinguishers, etc.). The 38 issues identified, included two valves tightly up against a pipe whip restraint, two valves close to a railing that can swing into the valves, three valves with inadequate clearance from a beam or wall, fourteen panels with essential relays not bolted to an adjacent wall or panel, two RTD's that bear directly on grating, one MOV close to a floor grating, one block wall in a non-safety related area, two panels too close to a fire extinguisher on a short hook (also a generic action item), two panels with essential relays with an unsecured shear panel and ladder near by, four panels with essential relays with a pendant light that can interact with the panels (also a generic action item), two switchgear with essential relays not bolted to an adjacent panel, two pumps with an overhead fan on vibration isolators, one tube off a hydraulic controller bearing on a railing, one panel with essential relays with an inadequately secured chain above it, and one heat exchanger with a valve touching a tubing line.

There were three outliers due to other issues. These included one pressure switch with missing hardware, one valve with a missing packing nut, and one valve out of service during the walkdowns that require a walkdown.



4.6.6 Deviations and Commentary on Meeting the Intent of Caveats

No significant or programmatic deviations from the GIP were made while performing the walkdowns and seismic adequacy evaluations at Cook Nuclear Plant for resolution of USI A-46. Very few interpretations were made with respect to the specific wording of the GIP caveats versus the caveat's intent. The commentary for the interpretations of those items meeting the "intent" of the GIP for class of 21 equipment are included in Table 4-7. In general judgments and calculations performed met the caveat requirements as clarified in Appendix B of the GIP. An example of a clarification used includes the 3g load check on yokes of motor operated valves that do not meet the experience based size and operator offset limits in Table B.8-1 of the GIP. Another example is neglecting non-effective anchors or anchorage in the anchorage evaluations. If the remaining anchorage had sufficient strength and stiffness to meet the GIP requirements these items were not considered to be outliers and they were not listed in Table 4-7. These issues are not specifically called out in Table 4-7 since the GIP Appendix B wording and anchorage discussion allows these interpretations. Other equipment (not listed in Table 4-7) met the caveat rules as stated and clarified in the GIP.

4.6.7 SQUG Action Items

During the SQUG project, seismic open issues and other maintenance issues identified during the plant reviews were tracked using the SQUG Action Item Log. Most of these issues were reconciled using the screening criteria in the GIP. Some of the Items were ultimately identified as outliers and are included in Tables 4-5 and 4-6. Other items are covered by the relay and SSEL reports. Table 4-8 includes Class of 21 items that were tracked using this log that were not designated as outliers or as screened equipment items, and required some modification either to the plant or documentation. There were twenty three items listed on this table that fall into this criteria.

4.7 Resolution of Identified Seismic Concerns and SQUG Action Items

The USI A-46 effort at Cook Nuclear Plant included the "optional" recommendation of the SRTs to reconcile the outliers or open issues. Tables 4-5 and 4-6 include the SRT proposed resolution for the outlier issues. These recommendations were normally accepted as indicated in the "Comments" column of these tables. The resolution of the outliers were either completed or are planned to be completed by additional analytical evaluations or minor plant modifications. There are twenty non-outlier issues listed in Table 4-8 that are tracked as SQUG Action Items that require some modification either to the plant or documentation.

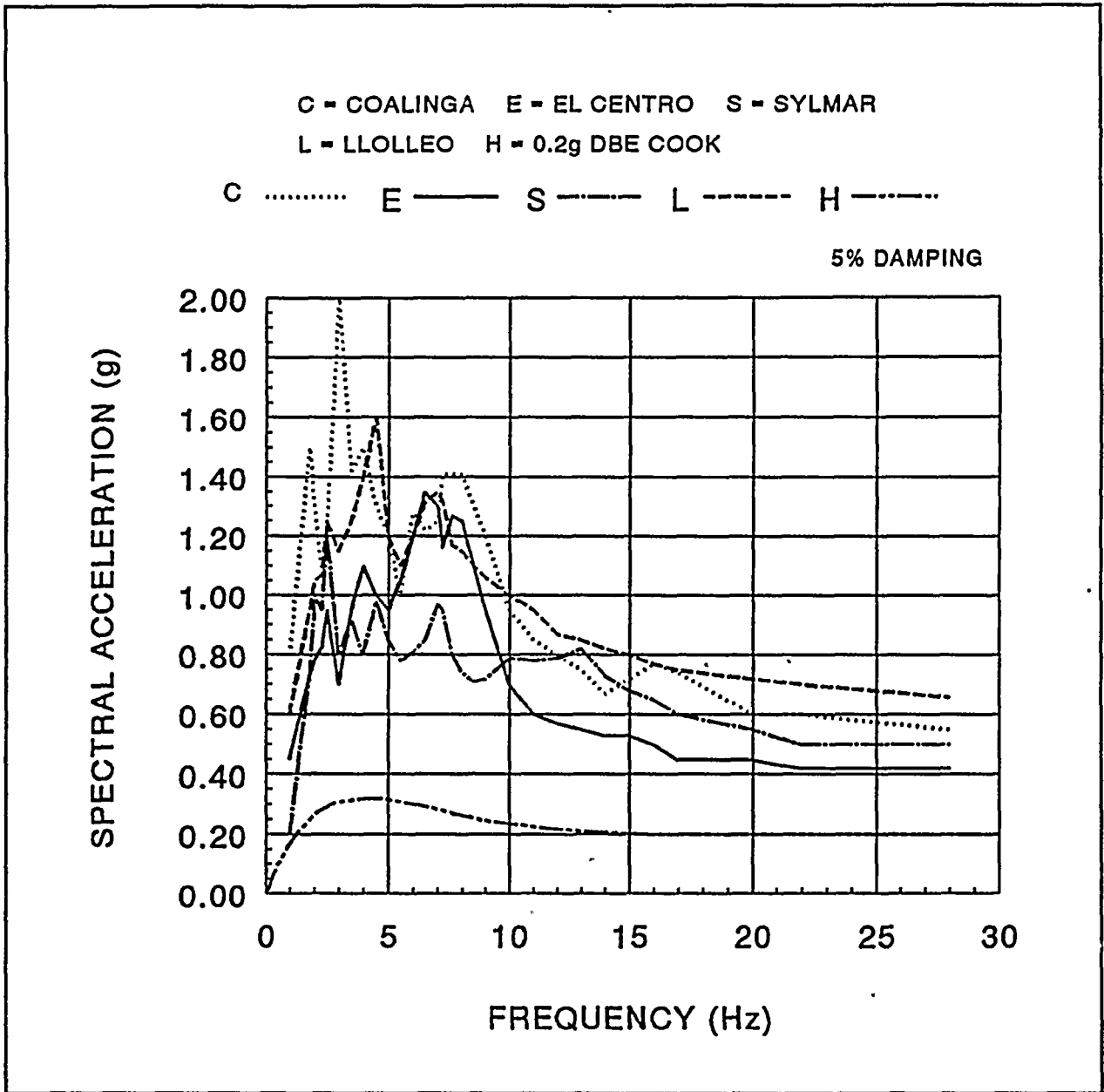


Figure 4-1 Comparison Between 5% Damped Ground Response Spectra of Database Earthquakes and Donald C. Cook Nuclear Plant DBE

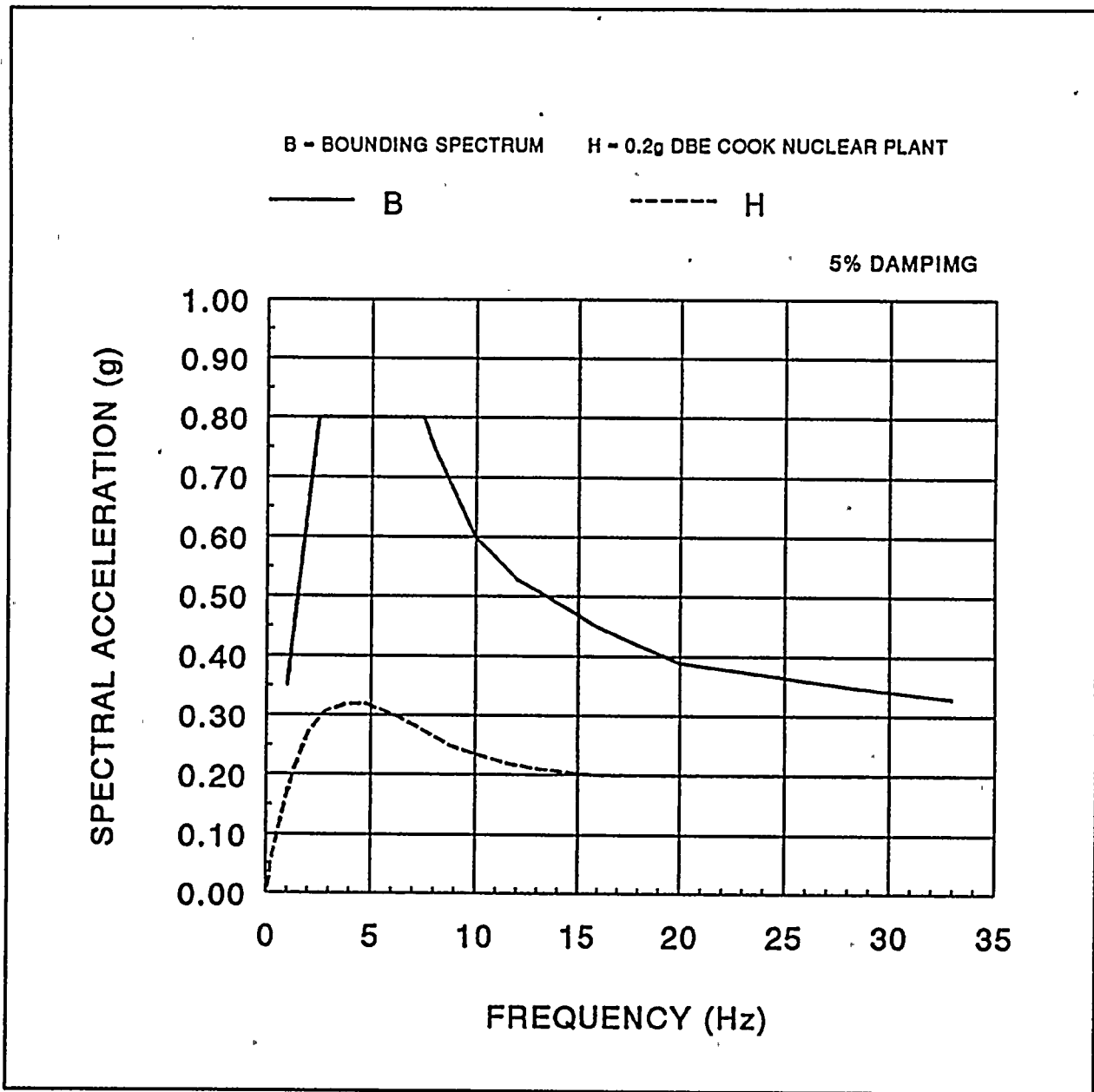


Figure 4-2 Comparison Between 5% Damped Bounding Spectrum to the Donald C. Cook Nuclear Plant DBE

Table 4-1
Cook Nuclear Plant Unit 1 Equipment Items Containing Essential Relays

Item	Equipment I.D.	Equipment Description
1	1-A11	AUX RELAY PANEL A11
2	1-A13	AUX RELAY PANEL A13
3	1-AB-N	250 VDC VALVE CONTROL CENTER AB-N
4	1-ABD-A	600 VAC MOTOR CONTROL CENTER ABD-A
5	1-ABD-B	600 VAC MOTOR CONTROL CENTER ABD-B
6	1-ABD-D	600 VAC MOTOR CONTROL CENTER ABD-D
7	1-ABV-A	600 VAC MOTOR CONTROL CENTER ABV-A
8	1-ABV-D	600 VAC MOTOR CONTROL CENTER ABV-D
9	1-ACRA-1	CONTROL ROOM AIR HANDLING SUBPANEL #1
10	1-ACRA-2	CONTROL ROOM AIR HANDLING SUBPANEL #2
11	1-AM-A	600 VAC MOTOR CONTROL CENTER AM-A
12	1-AM-D	600 VAC MOTOR CONTROL CENTER AM-D
13	1-ARA-2	REACTOR PROTECTION TRAIN A AUX RELAY CAB #2
14	1-AZ-BC	600 VAC MOTOR CONTROL CENTER AZ-BC
15	1-AZV-A	600 VAC MOTOR CONTROL CENTER AZV-A
16	1-BC-A	BATTERY CHARGER A FOR N TRAIN BATTERY
17	1-BC-A-PNL	BATTERY CHARGER A CONTROL BOX
18	1-BC-AB1	PLANT BATTERY BATT-AB BATTERY CHARGER #1
19	1-BC-AB2	PLANT BATTERY BATT-AB BATTERY CHARGER#2
20	1-BC-B	BATTERY CHARGER B FOR N TRAIN BATTERY
21	1-BC-B-PNL	BATTERY CHARGER B CONTROL BOX
22	1-BC-CD1	PLANT BATTERY BATT-CD BATTERY CHARGER#1
23	1-BC-CD2	PLANT BATTERY BATT-CD BATTERY CHARGER #2
24	1-CRID-I-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEMS CHANNEL I INVERTER

Table 4-1 cont'.

Item	Equipment I.D.	Equipment Description
25	1-CRID-11-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEMS CHANNEL II INVERTER
26	1-CRID-111-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEMS CHANNEL III INVERTER
27	1-CRID-IV-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEMS CHANNEL IV INVERTER
28	1-DGAB	AB EMERGENCY DIESEL GENERATOR CONTROL SUBPANEL
29	1-DGAB-INV	AB EMERGENCY DIESEL GENERATOR INVERTER
30	1-DGAB-X	AB EMERGENCY DIESEL GENERATOR AUXILIARY SUBPANEL
31	1-DGCD	CD EMERGENCY DIESEL GENERATOR CONTROL SUBPANEL
32	1-DGCD-INV	CD EMERGENCY DIESEL GENERATOR INVERTER
33	1-DGCD-X	CD EMERGENCY DIESEL GENERATOR AUXILIARY SUBPANEL
34	1-EFR	EMERGENCY FIRE PANEL INSTRUMENT/RELAY RACK
35	1-EZC-A	600 VAC MOTOR CONTROL CENTER EZC-A
36	1-EZC-B	600 VAC MOTOR CONTROL CENTER EZC-B
37	1-EZC-C	600 VAC MOTOR CONTROL CENTER EZC-C
38	1-EZC-D	600 VAC MOTOR CONTROL CENTER EZC-D
39	1-GR1	GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #1
40	1-GR2	GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #2
41	1-GRB	GENERATOR PANEL REAR INSTRUMENT/RELAY RACK B
42	1-HSD1R	UNIT 1 HOT SHUTDOWN PANEL REAR RACK
43	1-LSI-1	STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION

1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025

Table 4-1 cont'.

Item	Equipment I.D.	Equipment Description
44	1-LSI-2	STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION
45	1-LSI-3	REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION
46	1-N21-RACK	NUCLEAR INSTRUMENTATION CHANNEL I LOCAL INSTRUMENT RACK
47	1-N23-RACK	NUCLEAR INSTRUMENTATION CHANNEL LOCAL INSTRUMENT RACK
48	1-NIS-III	NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL III CONTROL PANEL
49	1-NSR	NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT RELAY RACK
50	1-PS-A	600 VAC MOTOR CONTROL CENTER PS-A
51	1-PS-D	600 VAC MOTOR CONTROL CENTER PS-D
52	1-RPC-1	REACTOR PROTECTION CHANNEL I CAB #1, 2, 3, 4
53	1-RPC-2	REACTOR PROTECTION CHANNEL II #5, 6, 7
54	1-RPC-3	REACTOR PROTECTION CHANNEL III CAB #9, 10, 11
55	1-RPC-4	REACTOR PROTECTION CHANNEL IV CAB #12, 13
56	1-RPS-A	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A CABINET
57	1-RPS-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B CABINET
58	1-RPSX-A	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A AUXILIARY CABINET
59	1-RPSX-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B AUXILIARY CABINET
60	1-SA	STATION AUXILIARIES CONTROL PANEL
61	1-SR1	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #1
62	1-SR2	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #2

Table 4-1 cont'.

Item	Equipment I.D.	Equipment Description
63	1-SR3	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #3
64	1-SR4	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #4
65	1-SSR	ENGINEER SAFETY SYSTEM REAR INSTRUMENT/RELAY RACK
66	1-SWR	NUCLEAR INSTRUMENTATION SOURCE RANGE N21 INSTRUMENT/RELAY RACK
67	1-T11A	4KV T11A SWITCHGEAR
68	1-T11B	4KV T11B SWITCHGEAR
69	1-T11C	4KV T11C SWITCHGEAR
70	1-T11D	4KV T11D SWITCHGEAR
71	1-TFP	TURBINE DRIVEN AUX FEEDPUMP SUBPANEL
72	1-TRB	TURBINE PANEL REAR INSTRUMENT/RELAY RACK B
73	1-TRD	TURBINE PANEL REAR INSTRUMENT/RELAY RACK D
74	1-TRE	TURBINE PANEL REAR INSTRUMENT/RELAY RACK E
75	1-WRR	CONTROL ROOM WEST INSTRUMENT RELAY RACK

Table 4-2
Cook Nuclear Plant Unit 2 Equipment Items Containing Essential Relays

Item	Equipment I.D.	Equipment Description
1	2-A11	AUX RELAY PANEL A11
2	2-A13	AUX RELAY PANEL A13
3	2-AB-N	250 VDC VALVE CONTROL CENTER AB-N
4	2-ABD-A	600 VAC MOTOR CONTROL CENTER ABD-A
5	2-ABD-B	600 VAC MOTOR CONTROL CENTER ABD-B
6	2-ABD-D	600 VAC MOTOR CONTROL CENTER ABD-D
7	2 ABV-A	600 VAC MOTOR CONTROL CENTER ABV-A
8	2-ABV-D	600 VAC MOTOR CONTROL CENTER ABV-D
9	2-ACRA-1	CONTROL ROOM AIR HANDLING SUBPANEL #1
10	2-ACRA-2	CONTROL ROOM AIR HANDLING SUBPANEL #2
11	2-AM-A	600 VAC MOTOR CONTROL CENTER AM-A
12	2-AM-D	600 VAC MOTOR CONTROL CENTER AM-D
13	2-ARA-2	REACTOR PROTECTION TRAIN A AUX RELAY CAB #2
14	2-AB-A	600 VAC MOTOR CONTROL CENTER AB-A
15	2-AZV-A	600 VAC MOTOR CONTROL CENTER AZV-A
16	2-BC-A	BATTERY CHARGER A FOR N TRAIN BATTERY
17	2-BC-A-PNL	BATTERY CHARGER A CONTROL BOX
18	2-BC-AB1	PLANT BATTERY BATT-AB BATTERY CHARGER #1
19	2-BC-AB2	PLANT BATTERY BATT-AB BATTERY CHARGER #2
20	2-BC-B	BATTERY CHARGER B FOR N TRAIN BATTERY
21	2-BC-B-PNL	BATTERY CHARGER B CONTROL BOX
22	2-BC-CD1	PLANT BATTERY BATT-CD BATTERY CHARGER #1
23	2-BC-CD2	PLANT BATTERY BATT-CD BATTERY CHARGER #2
24	2-CRID-I-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL I INVERTER
25	2-CRID-II-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL II INVERTER

Table 4-2 cont'.

Item	Equipment I.D.	Equipment Description
26	2-CRID-III-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL III INVERTER
27	2-CRID-IV-INV	120 VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL IV INVERTER
28	2-DGAB	AB EMERGENCY DIESEL GENERATOR CONTROL SUBPANEL
29	2-DGAB-INV	AB EMERGENCY DIESEL GENERATOR INVERTER
30	2-DGAB-X	AB EMERGENCY DIESEL GENERATOR AUXILIARY SUBPANEL
31	2-DGCD	CD EMERGENCY DIESEL GENERATOR CONTROL SUBPANEL
32	2-DGCD-INV	CD EMERGENCY DIESEL GENERATOR INVERTER
33	2-DGCD-X	CD EMERGENCY DIESEL GENERATOR AUXILIARY SUBPANEL
34	2-EFR	EMERGENCY FIRE PANEL INSTRUMENT/RELAY RACK
35	2-EZC-A	600 VAC MOTOR CONTROL CENTER EZC-A
36	2-EZC-B	600 VAC MOTOR CONTROL CENTER EZC-B
37	2-EZC-C	600 VAC MOTOR CONTROL CENTER EZC-C
38	2-EZC-D	600 VAC MOTOR CONTROL CENTER EZC-D
39	2-GR1	GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #1
40	2-CR2	GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #2
41	2-HSD2R	UNIT 2 HOT SHUTDOWN PANEL REAR RACK
42	2-LSI-1	STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION
43	2-LSI-2	STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION
44	2-LSI-3	REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION
45	2-N21-RACK	NUCLEAR INSTRUMENTATION CHANNEL I LOCAL INSTRUMENT RACK

Table 4-2 cont'.

Item	Equipment I.D.	Equipment Description
46	2-N23-RACK	NUCLEAR INSTRUMENTATION CHANNEL III LOCAL INSTRUMENT RACK
47	2-NIS-III	NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT/RELAY RACK
48	2-NSR	NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT/RELAY RACK
49	2-PS-A	600 VAC MOTOR CONTROL CENTER PS-A
50	2-PS-D	600 VAC MOTOR CONTROL CENTER PS-D
51	2-RPC-1	REACTOR PROTECTION CHANNEL I CAB #1, 2, 3, 4
52	2-RPC-2	REACTOR PROTECTION CHANNEL II CAB #5, 6, 7
53	2-RPC-3	REACTOR PROTECTION CHANNEL III CAB #9, 10, 11
54	2-RPC-4	REACTOR PROTECTION CHANNEL IV CAB. #12, 13
55	2-RPS-A	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A CABINET
56	2-RPS-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B CABINET
57	2-RPSX-A	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A AUXILIARY CABINET
58	2-RPSX-B	REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B AUXILIARY CABINET
59	2-SA	STATION AUXILIARIES CONTROL PANEL
60	2-SR1	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #1
61	2-SR2	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #2
62	2-SR3	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #3
63	2-SR4	STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #4
64	2-SSR	ENGINEER SAFETY SYSTEM REAR INSTRUMENT/RELAY RACK

Table 4-2 cont'.

Item	Equipment I.D.	Equipment Description
65	2-SWR	NUCLEAR INSTRUMENTATION SOURCE RANGE N21 INSTRUMENT/RELAY RACK
66	2-T21A	4 KV T21A SWITCHGEAR
67	2-T21B	4 KV T21B SWITCHGEAR
68	2-T21C	4 KV T21C SWITCHGEAR
69	2-T21D	4 KV T21D SWITCHGEAR
70	2-TFP	TURBINE DRIVEN AUX FEEDPUMP SUBPANEL
71	2-TRB	TURBINE PANEL REAR INSTRUMENT/RELAY RACK B
72	2-TRD	TURBINE PANEL REAR INSTRUMENT/RELAY RACK D
73	2-TRE	TURBINE PANEL REAR INSTRUMENT/RELAY RACK E
74	2-WRR	CONTROL ROOM WEST INSTRUMENT RELAY RACK

Table 4-3
Cook Nuclear Plant Unit 1 Breakdown of Class of 21
Equipment Items Requiring a Seismic Walkdown

Equipment Class	Number	Equipment Class	Number
0. Other (Miscellaneous Equipment Items)	50	11. Chillers	6
1. Motor Control Centers	19	12. Air Compressors	2
2. Low Voltage Switchgear	65	13. Motor-Generators	0
3. Medium Voltage Switchgear	34	14. Distribution Panels	35
4. Transformers	12	15. Batteries on Racks	3
5. Horizontal Pumps	32	16. Battery Chargers & Inverters	12
6. Vertical Pumps	6	17. Engine-Generators	2
7. Fluid-Operated Valves (including SRVs)	194	18. Instruments on Racks (Including individually mounted transmitters)	73
8. Motor-Operated and Solenoid Operated Valves	135	19. Temperature Sensors	34
9. Fans	36	20. Instrumentation and Control Panels and Cabinets	84
10. Air Handlers	4	21. Tanks and Heat Exchangers	63



Table 4-4
Cook Nuclear Plant Unit 2 Breakdown of Class of 21
Equipment Items Requiring a Seismic Walkdown

Equipment Class	Number	Equipment Class	Number
0. Other (Miscellaneous Equipment Items)	51	11. Chillers	6
1. Motor Control Centers	18	12. Air Compressors	2
2. Low Voltage Switchgear	55	13. Motor-Generators	0
3. Medium Voltage Switchgear	34	14. Distribution Panels	35
4. Transformers	12	15. Batteries on Racks	3
5. Horizontal Pumps	31	16. Battery Chargers & Inverters	12
6. Vertical Pumps	6	17. Engine-Generators	2
7. Fluid-Operated Valves (including SRVs)	193	18. Instruments on Racks (Including individually mounted transmitters)	72
8. Motor-Operated and Solenoid Operated Valves	135	19. Temperature Sensors	33
9. Fans	33	20. Instrumentation and Control Panels and Cabinets	82
10. Air Handlers	4	21. Tanks and Heat Exchangers	58

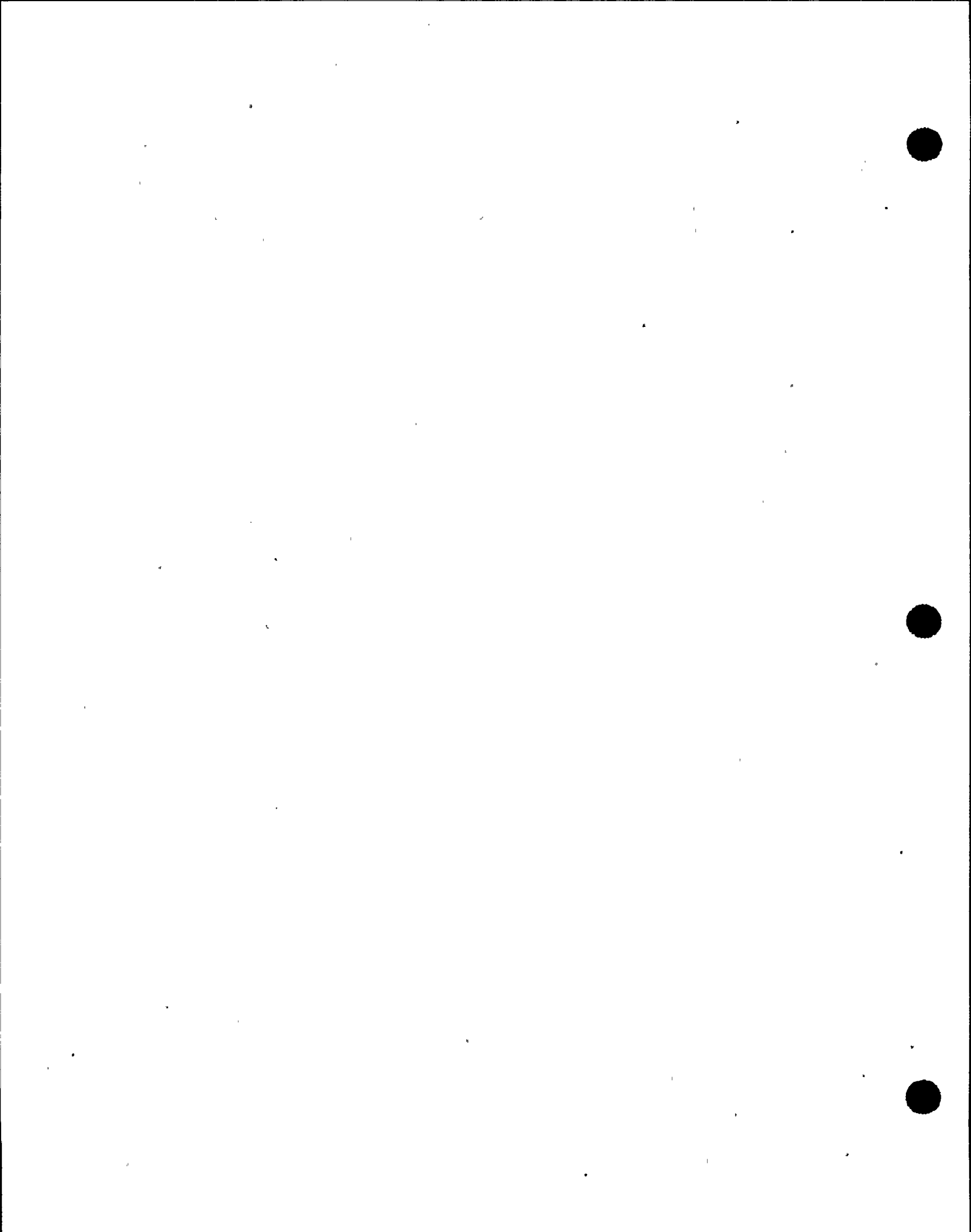
Table 4-5
Cook Nuclear Plant Unit 1 Outliers – for Class of 21 Equipment
Reasons, SRT Proposed Resolution, Comments

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
1	1-DCR-310	Caveats Seismic Interaction	Diaphragm of the valve tightly up against a pipe whip restraint. Load on the operator is like a cold spring on the piping system. SRT examined the valve when piping was in the hot condition, it appears when the pipe is cold the condition could get worse. The valve Bonnet connects a circular tube member at the bottom of the valve 1.6 inch in outside diameter. This is the weak link in the valve for transferring the seismic load on the operator (not the yoke).	Recommend action to get adequate clearance for the valve diaphragm from the pipe whip support.	Note No. 3
2	1-DCR-320	Caveats Seismic Interaction	The diaphragm of valve tightly up against a pipe whip restraint. Load on the operator is a cold spring on the piping system. SRT examined the valve when piping was in the hot condition, it appears when the pipe is cold the condition could get worse. The valve bonnet connects a circular tube member at the bottom of the valve 1.6 inch in outside diameter. This is the week link in the valve for transferring the seismic load on the operator (not the yoke).	Recommend action to get adequate clearance for the valve diaphragm from the pipe whip support.	Note No. 3
3	1-MMO-220	Seismic Interaction	Adjacent railing can rotate and swing into the valve operator.	Move the railing at least 4 inches from the operator.	Note No. 2
4	1-MMO-230	Seismic Interaction	Adjacent railing can rotate and swing into the valve operator.	Move the railing at least 4 inches from the operator.	Note No. 2
5	1-DRV-407	Seismic Interaction	The valve has less than 1 inch clearance to adjacent structural steel beam and the SRT can easily push the valve so it makes contact with the steel beam.	Restrain pipe at valve from the beam.	Note No. 1
6	1-PP-46-1	Anchorage	Only one bolt is known to have sufficient embedment (identified as Anchor A in the Anchorage Inspection)	Testing of Bolts C and D (inaccessible due to insulation) to show adequate embedment for at least one of these bolts would resolve this issue.	Note No. 2



	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
7	12-PP-31N	Caveats Anchorage	Must check inlet and outlet pipe nozzle loads -- piping is laterally unrestrained. Pump is classed an outlier pending definition of piping nozzle loads.	Define Inlet and outlet piping loads for input to ANCHOR evaluation. Rerun ANCHOR evaluation to determine adequacy with piping nozzle loads included.	Note No. 4
8	1-HV-ACR-1	Caveats Anchorage	Vibration isolators have no detail from manufacturer. SRT did not observe any restraint for seismic loads and therefore have designated the chiller as an outlier.	Design and install a bumper system around the vibration isolation system that is adequate for seismic loads.	Note No. 1
9	1-HV-ACR-2	Caveats Anchorage	Vibration isolators have no detail from manufacturer. SRT did not observe any restraint for seismic loads and therefore have designated the chiller as an outlier.	Design and install a bumper system around the vibration isolation system that is adequate for seismic loads.	Note No. 1
10	1-RPC-III	Seismic Interaction	Cabinet with essential relays is right up against a wall of the Control Room and not bolted to it.	Bolt the cabinet at the top to the adjacent wall.	Note No. 1
11	1-RPC-IV	Caveats Seismic Interaction	Cabinet is right next to Cabinet 1-RPST-A, and is not bolted to it. There is also a 10 lb duct cover above the unit which could fall on it.	Bolt the cabinet to the adjacent cabinet 1-RPST-A. Secure or remove the duct cover above.	Note No. 1
12	1-NTR-230	Seismic Interaction	Platform grating support beam bears directly on RTD. There is no flexibility.	Bend RTD away from steel.	Note No. 3
13	1-NTR-240	Seismic Interaction	Platform grating bears directly on RTD, and there is no flexibility.	Bend RTD away from steel.	Note No. 3
14	1-SV-45C	Capacity vs. Demand	Capacity Spectrum does not envelope Demand Spectrum below about 2.5 Hz and above 12 Hz. There are no GERS for this equipment type.	Review piping analyses and seismic qualification test data to demonstrate that capacity exceeds demand.	Note No. 4
15	1-SV-45A	Capacity vs. Demand	Capacity Spectrum does not envelope Demand Spectrum below about 2.5 Hz and above 12 Hz. There are no GERS for this equipment type.	Review piping analyses and seismic qualification test data to demonstrate that capacity exceeds demand.	Note No. 4
16	1-SV-45B	Capacity vs. Demand	Capacity Spectrum does not envelope Demand Spectrum below about 2.5 Hz and above 12 Hz. There are no GERS for this equipment type.	Review piping analyses and seismic qualification test data to demonstrate that capacity exceeds demand.	Note No. 4

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
17	1-NRV-151	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectrum below about 2.5 Hz and above 12 Hz. Using a maximum amplification factor of 7 for the floor spectrum, exceeds the FOV-GERS at all frequencies.	Determine valve response level from piping analysis, and compare to FOV-GERS, or determine capacity based on test data and compare to appropriate demand.	Note No. 4
18	1-NRV-152	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectrum below about 2.5 Hz and above 12 Hz. Using a maximum amplification factor of 7 for the floor spectrum, exceeds the FOV-GERS at all frequencies.	Determine valve response level from piping analysis, and compare to FOV-GERS, or determine capacity based on test data and compare to appropriate demand.	Note No. 4
19	1-NRV-153	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectrum below about 2.5 Hz and above 12 Hz. Using a maximum amplification factor of 7 for the floor spectrum, exceeds the FOV-GERS at all frequencies.	Determine valve response level from piping analysis, and compare to FOV-GERS, or determine capacity based on test data and compare to appropriate demand.	Note No. 4
20	1-MRV-240	Seismic Interaction	Lifting eye-bolt on large horizontal motor drive is in close proximity of grating floor.	Notch curbing (kick plate) to preclude any seismic banging.	Note No. 3
21	12-QC-3	Anchorage Seismic Interaction	<p>1) Overhead crane trolley needs to be parked not directly over cubicle—crane support also may not be seismically adequate, but OK if trolley is not parked over filter room.</p> <p>2) Blockwall enclosure does not appear seismically qualified.</p> <p>3) Anchorage capacity evaluation is required including nozzle loads, due to attached piping being laterally unrestrained. For one 3 inch line, approximately 40 foot length is unrestrained, and for the other, approximately 20 foot length is unrestrained.</p>	<p>1) Trolley should be parked and tied in a position which is not over the blockwall cubicle for 12-QC-3.</p> <p>2) For Blockwall enclosure, determined if these walls were included in the IE 80-11 program, since this is a non-safety related item.</p> <p>3) Piping needs to be evaluated to provide nozzle loads to QC-12-3 for evaluation of the anchorage.</p>	<p>1. Note No. 2</p> <p>2. Note No. 4</p> <p>3. Note No. 4</p>



	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
22	1-NMO-151	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
23	1-NMO-152	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
24	1-NMO-153	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
25	1-NSO-61	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectra below about 2.5 Hz and above about 12 Hz. Also, the SOV-GERS do not envelope the floor response spectra using an amplification factor of 7 below about 4 Hz and above about 20 Hz.	Determine the response of the valve from analysis of the piping and compare to SOV-GERS.	Note No. 4
26	1-NSO-62	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectra below about 2.5 Hz and above about 12 Hz. Also, the SOV-GERS do not envelope the floor response spectra using an amplification factor of 7 below about 4 Hz and above about 20 Hz.	Determine the response of the valve from analysis of the piping and compare to SOV-GERS.	Note No. 4

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
27	1-NSO-63	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectra below about 2.5 Hz and above about 12 Hz. Also, the SOV-GERS do not envelope the floor response spectra using an amplification factor of 7 below about 4 Hz and above about 20 Hz.	Determine the response of the valve from analysis of the piping and compare to SOV-GERS.	Note No. 4
28	1-NSO-64	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the floor response spectra below about 2.5 Hz and above about 12 Hz. Also, the SOV-GERS do not envelope the floor response spectra using an amplification factor of 7 below about 4 Hz and above about 20 Hz.	Determine the response of the valve from analysis of the piping and compare to SOV-GERS.	Note No. 4
29	1-VDAB-1	Seismic Interaction	There is a fire extinguisher hung on the side of the rack on a very short hook. The SRT judged that the fire extinguisher could fall off the hook and possibly rupture.	Support the fire extinguisher more securely.	Note No. 2
30	1-VDAB-2	Seismic Interaction	There is a fire extinguisher hung on the side of the rack on a very short hook. The SRT judges that the fire extinguisher could fall off the hook and possibly rupture.	Support the fire extinguisher more securely.	Note No. 2
31	1-A11	Seismic Interaction	<p>1. The unsecured shear panel between cabinets 1-A9 and 1-A10 can lift and then strike the embedded steel, possibly causing relay chatter. Resolve by welding to embedded steel.</p> <p>2. There are 2 step ladders chained to the wall in front of the cabinet. While they are currently chained tight enough not to hit the cabinet, they don't miss by much (1 inch - 2 inch) and can easily be rechained so that they would hit.</p>	<p>1. Weld the back (west edge) of the base of the shear panel to existing embedded steel.</p> <p>2. Remove or more tightly secure the ladders.</p>	<p>1. Note No. 3</p> <p>2. Note No. 2</p>

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
32	1-A13	Seismic Interaction	<p>1. The unsecured shear panel between cabinets 1-A9 and 1-A10 can lift and then strike the embedded steel, possibly causing relay chatter. Resolve by welding to embedded steel.</p> <p>2. There are 2 step ladders chained to the wall in front of the cabinet. While they are currently chained tight enough not to hit the cabinet, they don't miss by much (1 inch- 2 inch) and can easily be rechained so that they would hit.</p>	<p>1. Weld the back (west edge) of the base of the shear panel to existing embedded steel.</p> <p>2. Removed or more tightly secure the ladders.</p>	<p>1. Note No. 3</p> <p>2. Note No. 2</p>
33	1-RPSX-A	Seismic Interaction	1-RPSX-A contains essential relays. It is bolted to the adjacent 1-RPS-A, but is not bolted to the adjacent 1-RPST-A.	Bolt 1-RPSX-A to 1-RPST-A.	Note No. 1
34	1-RPSX-B	Seismic Interaction	1-RPSX-B contains essential relays. It is bolted to the adjacent 1-RPS-B, but is not bolted to the adjacent 1-RPST-B.	Bolt 1-RPSX-B to 1-RPST-B.	Note No. 1
35	1-SG	Caveats	Recorders 1-MR-17,18,19,20 can slide out. They latch once they slide out almost their entire length, at that point the SRT judges that they are vulnerable to vertical forces.	Secure the recorders so that they cannot slide out more than about half their length without being unlatched in some manner.	Note No. 1
36	1-LLS-120	Anchorage	The four instruments 1-LLS-120, 121, 122 and 123 are mounted on a stanchion bolted to the floor by three 1/2 inch wedge couplings instead of four. This item was designated as an outlier because one of the four bolts was not present.	Due to the light weight of switches (natural frequency 10 Hz) the SRT judge that remaining three bolts were adequate and that no operability concern existed (maximum weight of total assembly supported is 150 lbs) SQUG Action Item # 41 was written so this missing anchor would be installed.	Note No. 2

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
37	1-LLS-121	Anchorage	The four instruments 1-LLS-120, 121, 122 and 123 are mounted on a stanchion bolted to the floor by three 1/2 inch wedge couplings instead of four. This item was designated as an outlier because one of the four bolts was not present.	Due to the light weight of switches (natural frequency 10 Hz) the SRT judge that remaining three bolts were adequate and that no operability concern existed (maximum weight of total assembly supported is 150 lbs) SQUG Action Item # 41 was written so this missing anchor would be installed.	Note No. 2
38	1-LLS-122	Anchorage	The four instruments 1-LLS-120, 121, 122 and 123 are mounted on a stanchion bolted to the floor by three 1/2 inch wedge couplings instead of four. This item was designated as an outlier because one of the four bolts was not present.	Due to the light weight of switches (natural frequency 10 Hz) the SRT judge that remaining three bolts were adequate and that no operability concern existed (maximum weight of total assembly supported is 150 lbs) SQUG Action Item # 41 was written so this missing anchor would be installed.	Note No. 2
39	1-LLS-123	Anchorage	The four instruments 1-LLS-120, 121, 122 and 123 are mounted on a stanchion bolted to floor by three 1/2 inch wedge couplings instead of four. This item was designated as an outlier because one of the four bolts was not present.	Due to the light weight of switches (natural frequency 10 Hz) the SRT judge that remaining three bolts were adequate and that no operability concern existed (maximum weight of total assembly supported is 150 lbs) SQUG Action Item # 41 was written so this missing anchor would be installed.	Note No. 2
40	1-CPS-314	Other	Screws attaching the component to the mounting plate (one screw is missing the nut, the second screw is missing and the third one is loose).	The missing hardware should be installed and loose hardware tightened.	Note No. 3

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
41	1-BA	Caveats	Taylor Strip Chart Recorder on 1-BA can slide out, it is not secured.	Secure the recorder so that it cannot slide out without being unlatched.	Note No. 1
42	1-RPS-A	Caveats Seismic Interaction	1-RPS-A contains essential relays. On one side 1-RPS-A is bolted to the adjacent 1-RPSX-A, but on the other side it is hard up against (but not attached) a reinforced concrete (r/c) wall. Also inside the same assembly 1-RPST-A and 1-RPC are not bolted together.	Anchor 1-RPS-A to the adjacent r/c wall, and attach 1-RPST-A to 1-RPC.	Note No. 1
43	1-RPS-B	Caveats	1-RPSX-B which is in the same assembly as 1-RPS-B is not bolted together to 1-RPST-B.	Attach 1-RPSX-B to 1-RPST-B.	Note No. 1
44	1-BATT-AB	Caveats	Batteries just over 10 years old.	Evaluate the batteries to determine that they are seismically adequate since they are greater than 10 years old.	This item has been resolved.
45	1-BATT-CD	Caveats	Batteries just over 10 years old.	Evaluate the batteries to determine that they are seismically adequate since they are greater than 10 years old.	This item has been resolved.
46	1-DGCD	Seismic Interaction	Overhead pendant florescent light is free to swing into the panel. Since the panel contains essential relays (HFA, etc.) the panel is an outlier, although the impact force on the panel will be minor.	Restrain the light so it will not impact the panel.	Note No. 1
47	1-TFP	Seismic Interaction Anchorage	The panel is right up against a wall and contains essential relays. The panel can rattle against the wall, which violates Interaction Caveat #2. The anchorage is only in the pad above the base concrete.	The panel should be bolted to the wall at the top. This will resolve both outlier issues.	Note No. 1

Notes Applicable to Comments

- No. 1. This item will be implemented under a design change.
- No. 2. This item will be implemented by plant maintenance under a job order.
- No. 3. This item has been corrected and/or resolved.
- No. 4. This item will be resolved by further evaluation and/or analysis.



Table 4-6
Cook Nuclear Plant Unit 2 Outliers – for Class of 21 Equipment
Reason, SRT Proposed Resolution, Comments

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
1	2-MRV-154	Other	At the time of the walkdown (during a plant outage) one of the packing nuts on this valve was missing.	Replace the missing packing nut.	Note No. 3
2	2-DGAB-X	Seismic Interaction	Interaction issues are chain which is restrained but could still swing into cabinet and overhead pendant lights.	Restrain the chain and secure overhead light.	Note No. 2
3	2-DGCD-X	Seismic Interaction	Interaction issues are: 1. Chain which is restrained but could still swing into cabinet 2. Overhead pendant lights hung on open hooks.	Secure the chain and overhead light.	1. Note No. 1 2. Note No. 2
4	2-T21A	Caveats Seismic Interaction	Cabinet sections 2-T21A8 and 2-T21A9 are not bolted together in the front. Switchgear assembly is right next to Cabinet 2-ABLV-B and not bolted together.	Bolt Sections 2-T21A8 and 2-T21A9 together and bolt the assembly and 2-ABLV-B together.	Note No. 1
5	2-T21D	Seismic Interaction	Switchgear assembly is right next to the 2-ABLV-A relay panel and not bolted together.	Bolt the assembly and 2-ABLV-A together.	Note No. 1
6	2-QT-106-AB1	Seismic Interaction	If the vibration isolators on the non-safety exhaust fan, above the pumps, fail, the exhaust fan could fall on the transfer pumps. This is an interaction issue and needs evaluation.	The SRT of George Thomas and Satyan Sharma were able to inspect the fan in great detail due to the erection of scaffolding. This inspection resulted in the conclusion that although the fan could jump off the vibration isolators during an earthquake the supporting structure (base frame, rod hangers, etc.) would preclude it from falling. The fan was large enough that it cannot slip through the support structure.	Note No. 3



	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
7	12-PP-31S	Caveats Anchorage	Should check inlet and outlet pipe nozzle loads – piping is laterally unrestrained. Pump is classified as an outlier pending definition of piping nozzle loads.	Define piping nozzle loads for input to ANCHOR evaluation. Rerun Anchor evaluation including piping nozzle loads.	Note No. 4
8	2-AFWX	Seismic Interaction	Overhead pendant lights hung on open hook.	Secure the light.	Note No. 1
9	2-QT-106-AB2	Seismic Interaction	If the vibration isolators on the non-safety exhaust fan, above the pumps, fail, the exhaust fan could fall on the transfer pumps. This is an interaction issue and needs evaluation.	The SRT of George Thomas and Satyan Sharma were able to inspect the fan in great detail due to the erection of scaffolding. This inspection resulted in the conclusion that although the fan could jump off the vibration isolators during an earthquake the supporting structure (base frame, rod hangers, etc.) would preclude it from falling. The fan was large enough that it cannot slip through the support structure.	Note No. 3
10	2-HV-ACR-1	Caveats Anchorage	Vibration isolators have no detail from manufacturer. SRT did not observe any restraint for seismic loads and therefore have designated the chiller as an outlier.	Design and install a bumper system around the vibration isolation system that is adequate for seismic loads.	Note No. 1
11	2-HV-ACR-2	Caveats Anchorage	Vibration isolators have no detail from manufacturer. SRT did not observe any restraint for seismic loads, and therefore have designated the chiller as an outlier.	Design and install a bumper system around the vibration isolation system that is adequate for seismic loads.	Note No. 1
12	2-HV-AES-1	Caveats Anchorage	Embedments for the 5/8 inch non-shell anchors are at or below some of the minimum embedments of the GIP from several anchorage types. This equipment item is being designated as an outlier because of the embedment issue. The bounding calculation for 1-HV-AES-1 indicated a relatively small margin of 1.18.	Perform more investigation with regard to the type of bolt, and its capacity for the installed embedment.	Note No. 4

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
13	2-HV-AES-2	Caveats Anchorage	Bolt embedments for 5/8 inch expansion anchors are very short (at or below some of the minimum embedments for several anchor types in the GIP). This equipment item is being designated as an outlier due to the embedment issue. The bounding calculation for 1-HV-AES-1 indicated a relatively small margin of 1.18.	Perform more investigation with regard to the type of bolt, and its capacity for the installed embedments.	Note No. 4
14	2-TFP	Seismic Interaction Anchorage	Some Debris has worked its way into the gap between the panel and the wall. It is postulated that the panel can rattle against this debris during a seismic event, which violates Interaction Caveat #2. The anchorage is only in the pad above the base concrete.	The debris be removed between the wall and panel and that the panel be attached to the wall at the top.	Note No. 1
15	2-RPC-I	Seismic Interaction	2-RCP-I is too close to the wall and can potentially pound against it during an earthquake. Also, fire extinguisher 633A-32-CO2 which is on the concrete wall about 25 inch from 2-RPC-I, can fall off its small hook and impact 2-RCP-I, and discharge.	Bolt the cabinet at the top to the adjacent wall. Also, either move the fire extinguisher or put it on a longer hook.	Note No. 1
16	2-RPC-II	Seismic Interaction	2-RCP-II is too close to the wall and can potentially pound against it during an earthquake.	Bolt the cabinet at the top to the adjacent wall.	Note No. 1
17	2-RPC-III	Seismic Interaction	2-RCP-III is too close to the wall and can potentially pound against it during an earthquake.	Bolt the cabinet at the top to the adjacent wall.	Note No. 1
18	2-RPC-IV	Caveats	Cabinet 2-RCP-IV is right next to Cabinet 2-RPST-A, and is not bolted to it. Cabinet 2-RCP-IV contains essential relays.	Bolt cabinet 2-RCP-IV to the adjacent Cabinet 2-RPST-A.	Note No. 1
19	2-MRV-230	Seismic Interaction	Tube off of hydraulic controller on piston is bearing on railing. May lack sufficient flexibility.	Relocate Tube.	Note No. 2

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
20	12-HE-25A	Anchorage Seismic Interaction	<p>1) Component is supported off shell of much larger (about 4.0 feet) diameter tank 12-TK-148. Information required to evaluate this support condition is presently unavailable.</p> <p>2) Inlet and outlet piping to condenser have large heavy central valves with no lateral restraint. Nozzle loads are presently unavailable.</p> <p>3) RRV-248 valve is touching 3/4 inch to 5/8 inch tubing line coming from the bottom of the tank supporting condenser. Should have 1 inch gap.</p>	<p>1) Need to get physical data on 12-TK-148 tank to determine anchorage adequacy.</p> <p>2) Obtain nozzle loads to use in evaluating condenser anchorage.</p> <p>3) Relocate valve to provide sufficient clearance.</p>	Note No. 4 (Currently under evaluation; to be isolated from the flow path)
21	2-SV-45A	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Floor Response Spectrum below about 2.5 Hz and above about 12 Hz. There are no GERS for relief valves.	Review piping analyses and seismic qualification test data to demonstrate capacity exceeds demand.	Note No. 4
22	2-SV-45B	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Floor Response Spectrum below about 2.5 Hz and above about 12 Hz. There are no GERS for relief valves.	Review piping analyses and seismic qualification test data to demonstrate capacity exceeds demand.	Note No. 4
23	2-SV-45C	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Floor Response Spectrum below about 2.5 Hz and above about 12 Hz. There are no GERS for relief valves.	Review piping analyses and seismic qualification test data to demonstrate capacity exceeds demand.	Note No. 4
24	2-NRV-151	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope Floor Response Curve below about 2.5 Hz and above 12 Hz. Using an amplification factor of 7 for in-line equipment results in the demand spectrum exceeding the FOV-GERS at all frequencies.	Review piping analysis to determine actual response level for this valve to establish demand, and compare to FOV-GERS.	Note No. 4



	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
25	2-NRV-152	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope Floor Response Curve below about 2.5 Hz and above 12 Hz. Using an amplification factor of 7 for in-line equipment results in the demand spectrum exceeding the FOV-GERS at all frequencies.	Review piping analysis to determine actual response level for this valve to establish demand, and compare to FOV-GERS.	Note No. 4
26	2-NRV-153	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope Floor Response Curve below about 2.5 Hz and above 12 Hz. Using an amplification factor of 7 for in-line equipment results in the demand spectrum exceeding the FOV-GERS at all frequencies.	Review piping analysis to determine actual response level for this valve to establish demand, and compare to FOV-GERS.	Note No. 4
27	2-MRV-152	Other	Valve operator was missing during first walkdown (10-29-93) and was still missing during a subsequent walkdown 3/14/94.	Per DC Cook Plant personnel (R. Leonard), the actuator for 2-MRV-152 was removed to replace a broken actuator on valve 2-DCR-304 (Ref. A/R A000091). A new actuator had to be ordered for 2-MRV-152 (Activity 3 of Job Order C8549). The new actuators were received at the plant just prior to March 18, 1994.	Note No. 3
28	2-BA	Caveats	Recorder 2-MR-42 on 2-BA can slide out, it is not secured	Secure the recorder so that it cannot slide out without being unlatched.	Note No. 1
29	2-RPS-A	Seismic Interaction	2-RPS-A contains essential relays. One side, 2-RPS-A is bolted to the adjacent 2-RPSX-A, but on the other side, it is hard-up against (but not attached to) an r/c wall	Anchor 2-RPS-A to the adjacent r/c wall.	Note No. 1
30	2-RPSX-A	Seismic Interaction	2-RPSX-A contains essential relays. It is bolted to the adjacent 2-RPS-A, but is not bolted to the adjacent 2-RPST-A..	Bolt 2-RPSX-A to 2-RPST-A.	Note No. 1
31	2-RPSX-B	Seismic Interaction	2-RPSX-B contains essential relays. It is bolted to the adjacent 2-RPS-B, but is not bolted to the adjacent 2-RPST-B.	Bolt 2-RPSX-B to 2-RPST-B.	Note No. 1

	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
32	2-SG	Caveats	Recorders 2-MR-17,18,19,20 can slide out. They latch once they slide out almost their entire length, at that point the SRT judges that they are vulnerable to vertical forces	Secure the recorders so that they cannot slide out more than about half their length without being unlatched in some manner.	Note No. 1
33	2-NMO-151	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
34	2-NMO-152	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
35	2-NMO-153	Capacity vs. Demand	1.5 x Bounding Spectrum does not envelope the Realistic Median Centered Floor Response Spectra at frequencies below about 2.5 Hz and above about 12 Hz. Similarly, assuming an amplification factor of 7 for in-line equipment applied to the floor response spectra, the MOV-GERS do not envelope below about 2.5 Hz and above 33 Hz.	Review piping analysis to determine actual response level for this valve and compare to GERS.	Note No. 4
36	2-BATT-AB	Caveats	Batteries just over 10 years old.	Evaluate the batteries to determine that they are seismically adequate since they are greater than 10 years old.	This item has been resolved.
37	2-BATT-CD	Caveats	Batteries just over 10 years old.	Evaluate the batteries to determine that they are seismically adequate since they are greater than 10 years old.	This item has been resolved.
38	2-LSI-3	Seismic Interactions	Chain located above the panel is not adequately secured to the wall.	Secure the chain.	Note No. 2



	ID	ISSUES	REASONS	SRT PROPOSED RESOLUTION	COMMENTS
39	2-DRV-407	Seismic Interactions	Valve is an outlier because it has less than a 2 inch clearance to an adjacent R/C Wall. The pipe line is rod hung and may swing into the wall.	Either restrain the piping so the valve cannot swing or check the piping analysis to ensure that the displacement of the valve during a DBE is less than 2 inches.	Note No. 1

Notes Applicable to Comments

- No. 1. This item will be implemented under a design change.
- No. 2. This item will be implemented by plant maintenance under a job order.
- No. 3. This item has been corrected and/or resolved.
- No. 4. This item will be resolved by further evaluation and/or analysis.

Table 4-7
 Commentary on Equipment Items Meeting the Intent of GIP Caveats

N o.	Component or Category	Commentary
1	Unit 1 and 2 Class 0 Components Generic Interpretation	<p>There are 50 and 51 equipment items identified as Class 0 in Unit 1 and Unit 2 respectively. These items were primarily passive and were similar to items considered as components of class of 21 equipment. For these equipment items the SRT assessed the potential for seismic damage and made the necessary evaluations. All these items were at locations in the plant where 1.5 times the Bounding Spectrum is greater than the floor response spectra where they are located. Anchorage was evaluated using the GIP criteria.</p>
2	Unit 1 and 2 Class 21 Tanks and Heat Exchangers not covered by the criteria.	<p>There are 63 and 58 equipment items identified as Class 21 in Unit 1 and Unit 2 respectively. Of these tanks and heat exchangers, there were only 20 where the GIP criteria was applicable. The remaining 101 were evaluated by meeting the intent of the GIP criteria. Anchorage was evaluated using the GIP criteria.</p>
3	1-QT-113-CD1 1-QT-113-CD2	<p>Each of these strainers is supported on four legs. Each leg of 1-QT-113-CD1 is anchored by one 1/2 inch J-bolt anchor, each leg of 1-QT-113-CD2 is anchored by one 3/8 inch bolt, but the anchor type is unknown. One bolt was broken. One of the 3/8 inch bolts is broken. According to the memo from Jerry A. Reiniger at AEPSC and James Wisniewski at Cook Nuclear Plant Construction, the 3/8 inch bolts appear to have been welded to the 1/2 inch embedded J-bolt. The welding looked questionable.</p> <p>The SRT believed that even with the questionable weld, the 3/8 inch bolts are sufficient to carry the tensile load of an unknown expansion bolt (a 0.6 reduction factor) and a further .5 reduction for prying action. The broken bolt was not included in the evaluation.</p> <p>The ANCHOR analysis was performed for 1-QT-113-CD1 and 1-QT-113-CD2 together, since they are connected by a relatively rigid piping segment.</p> <p>The minimum embedment of the 1/2 inch J-bolts for 1-QT-113-CD1 is 9.5 inches and was used for the embedment reduction factor for the J-bolts. The unknown expansion anchor was used for the three 3/8 inch bolts on 1-QT-113-CD2.</p> <p>The SRT also judged the bolts may be subject to prying. Therefore a very conservative .5 reduction factor was applied for prying.</p> <p>ANCHOR analysis included nozzle loads as specified in the piping analysis nozzle/anchor load summary sheets for the attached piping. Conservatively assume that the inlet and outlet nozzle loads are distributed between the two strainers, 1-QT-113-CD1 and CD2, because of the way they are joined. Therefore, the nozzle loads modeled in the ANCHOR analysis are the absolute values of the larger of the two loads specified.</p> <p>The ANCHOR analysis even with the highest nozzle loads and anchorage reduction factors, shows a high margin of safety (1.6).</p>

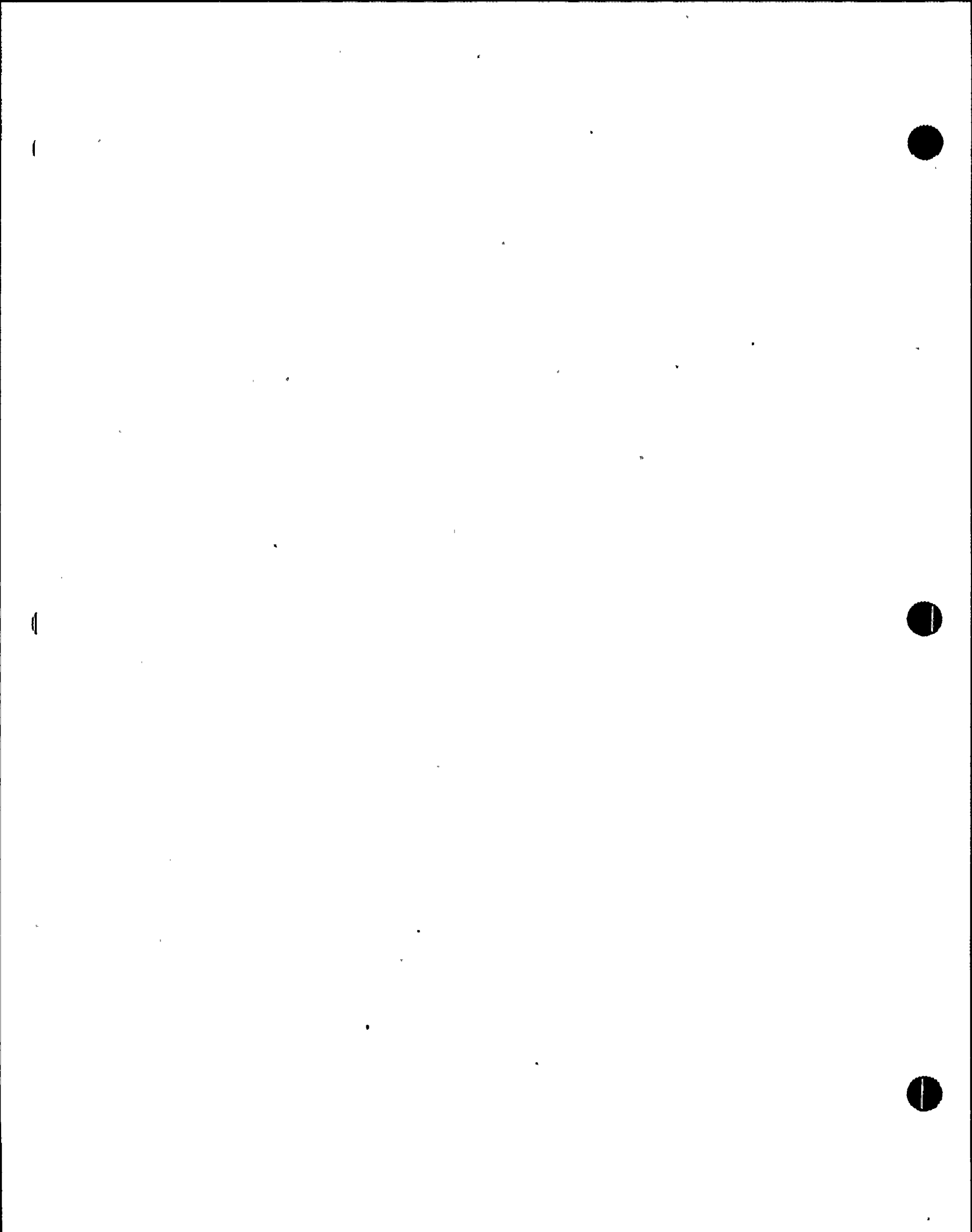
N o.	Component or Category	Commentary
4	1-11A 1-21A 1-11B 2-21B 1-11C 2-21C 1-11D 2-21D 600 VAC Bus Switchgear	<p>The switchgear manufacturer is ITE Imperial. The side to side breaker restraint caveat normally applies to Westinghouse DB-25 and DB-50 switchgear assemblies.</p> <p>Side to side restraint of breaker was judged adequate. Primary breaker contacts at top are horizontal, secondary breaker contacts at bottom are vertical. Breaker weight estimated to be about 80 lbs. Frame at bottom of breakers judged sufficiently stiff to withstand earthquake inertia such that secondary contacts will not fail.</p>
5	1-52BYA 2-52BYA 1-52BYB 2-52BYB 1-52RTA 2-52RTA 1-52RTB 2-52RTB Reactor Trip Breakers	<p>The switchgear are of the Westinghouse DB-50 type, which normally applies to the side to side breaker restraint caveat. However, the breaker is supported by two rails that were judged very stiff. Breakers were pulled and pushed sideways (at about 80 lbs. force) and there was not even a slight movement observed.</p> <p>After review of the seismic test for the unit that included the breakers (although the breaker qualification was not the prime objective of the test) and the load test in the field it was judged that there was no possibility of damaging the secondary contacts in an SSE event. Therefore, caveat 3 was judged acceptable.</p> <p>On the front, the rail on which the breaker may slide back and forth, is bolted to the side of the cabinet. The wheels have a top restraint on the flange of the channel to prevent the wheels from lifting.</p>
6	1-PP-7E 2-PP-7E 1-PP-7W 2-PP-7W	<p>VP/BS Caveat 2: These pumps are outside the seismic experience database because of the long shaft (approximately 45 feet long—Ref. Johnston Turbine Pumps H-4193-D). However, seismic adequacy is demonstrated by a stress analysis report, which indicates shaft and casing stresses and deflections to be within acceptable limits. Therefore, the intent of this Caveat is considered to be met by the SRT.</p>

N o.	Component or Category	Commentary
7	1-DCR-301 2-DCR-301 1-DCR-302 2-DCR-302 1-DCR-303 2-DCR-303 1-DCR-304 2-DCR-304 1-FRS-257 2-FRS-257 1-FRS-258 2-FRS-258 1-IRV-116 2-IRV-116 1-IRV-136 2-IRV-136 1-IRV-146 2-IRV-146 1-IRV-147 2-IRV-147 1-IRV-148 2-IRV-148 1-IRV-149 2-IRV-149 1-IRV-150 2-IRV-150 1-IRV-160 2-IRV-160 1-MCR-251 2-MCR-251 1-MCR-252 2-MCR-252 1-MCR-253 2-MCR-253 1-MCR-254 2-MCR-254 1-MRV-154 2-MRV-154 1-NRV-101 2-NRV-101 1-NRV-102 2-NRV-102 1-NRV-103 2-NRV-103 1-NRV-104 2-NRV-104 1-QRV-150 2-QRV-150 1-SV-101 2-SV-101 1-SV-102 2-SV-102 1-SV-120-AB 2-SV-120-AB 1-SV-120-CD 2-SV-120-CD 1-SV-121 2-SV-121 1-SV-140-1 2-SV-140-1 1-SV-140-2 2-SV-140-2 1-SV-15E 2-SV-15E 1-SV-15W 2-SV-15W 1-SV-169E 2-SV-169E 1-SV-169W 2-SV-169W 1-SV-200-AB 2-SV-200-AB 1-SV-200-CD 2-SV-200-CD 1-SV-201-AB1 2-SV-201-AB1 1-SV-201-AB2 2-SV-201-AB2 1-SV-201-CD1 2-SV-201-CD1 1-SV-201-CD2 2-SV-201-CD2 1-SV-66 2-SV-66 1-SV-67-1 2-SV-67-1 1-SV-67-2 2-SV-67-2 1-SV-67-3 2-SV-67-3 1-SV-79-AB1 2-SV-79-AB1 1-SV-79-AB2 2-SV-79-AB2 1-SV-79-CD1 2-SV-79-CD1 1-SV-79-CD2 2-SV-79-CD2 1-SV-96 2-SV-96 1-SV-97 2-SV-97 1-SV-98N 2-SV-98N 1-SV-98S 2-SV-98S	Small air operated valves or safety valves on lines less than 1 inch. The valves were either supported independently and could not overstress the lines or the valve was so small the SRT judged that the line cannot be overstressed.

N o.	Component or Category	Commentary
8	1-SV-200-AB 2-SV-200-AB 1-SV-200-CD 2-SV-200-CD 1-SV-201-AB1 2-SV-201-AB1 1-SV-201-AB2 2-SV-201-AB2 1-SV-201-CD1 2-SV-201-CD1 1-SV-201-CD2 2-SV-201-CD2	FOV/BS Caveat 2: Valve bodies are cast iron. However, since this is a pressure relief valve, the only stress on the body will be due to inertia loads on the body itself (no loads will be imported by the pipe line). The valves weigh < 10 lb and the inertia will be low, such that the stress will be less 0.20 Fu allowed by this caveat for cast iron valves.
9	1-HV-SGR-MD3 2-HV-SGR-MD3 1-HV-SGR-MD4 2-HV-SGR-MD4 1-HV-SGR-MD5 2-HV-SGR-MD5	Could not see motor operator for damper because internal to duct. Evaluated based on documentation package. Operator is small and light weight and adequately anchored. Documentation package indicates operator purchased and installed to IEEE 344-75 requirements.
10	Class 14 wall mounted Distribution Panels, Unit 1 and Unit 2	The expansion anchors, anchoring most of the distribution panels to the wall were in general not accessible for the bolt tightness check. Some of these only had four bolts which are not enough bolts to meet the reduced inspection criteria and the concrete strength is 3500 psi and not 4000 psi. Testing these bolts would entail unwiring the components and removing the panel from the wall. The ANCHOR analyses for these light weight panels indicated a margin greater than 10. Most of these panels were also tug tested. When tightness checks could be performed, the anchors were found to be tight. Therefore, the SRT believed the panel anchorage evaluations met the "intent" of the GIP requirements.
11	1-BC-CD1 1-BC-CD2	The minimum embedment for the J-bolts on the Anchor Inspection Data Sheet is 9-5/8 inches, slightly below (3/8 inch) the 16 diameter minimum embedment in the GIP. However, due to the high margin of the analysis for 1-BC-AB1 with a smaller 1/2 inch bolt, and the knowledge that the 5/8 inch bolt will have a higher capacity, the SRT judged that the anchorage "met the intent" of the embedment caveat. The anchorage was deemed acceptable based on the calculation for 1-BC-AB1.
12	1-OME-150-AB 2-OME-150-AB 1-OME-150-CD 2-OME-150-CD	Diesel Generator and driver not on same skid, however large concrete foundations originate from common floor; differential motion is not a concern.
13	1-DGAB 1-DGCD Panels	Panels contain essential relays. Although Anchorage Inspection Data Sheets indicate greater than 1/4 inch gaps for the anchorage, the panel is not subject to pounding which is the intent of this caveat. These gaps are due to the panel resting on adjacent shim plates. Also due to the size of the panel the loading will primarily be in shear.



N o.	Component or Category	Commentary
14	1-TSC-I/O-07 1-TSC-I/O-09 1-TSC-I/O-13 1-TSC-I/O-15 Panels	<p>The cabinet sits on a 1 inch thick grout pad (appears sound) and is anchored with twelve (12) 3/4 inch Hilti Kwik bolts. The ANCHOR analysis showed a margin of 25. Per the anchorage package, the bolts were UT tested and found to be 8.5 inch long, so the embedment length is more than adequate. The bolts could not be tightness tested due to congestion in the cabinet. Per GIP Section C.2.10, the Reduced Inspection Alternative cannot be used because the concrete strength is less than 4000 psi, but given the very high margin, the SRT judged the anchorage adequate.</p>
15	12-SFP-12 Panel	<p>Panel is 36 inches x 42 inches x 90 inches in height, mounted on a 6 inch concrete pad. The pad is reinforced with wire mesh.</p> <p>Using the GIP rules of neglecting the pad for embedment, the minimum embedment for the 5/8 inch expansion anchors into the base floor concrete is 1-1/8 inch (less than the GIP allowable).</p> <p>It was postulated in order for the panel to tip, the concrete pad would have to lift off the floor. To calculate a minimum bolt tension allowable, the minimum g load for uplift of the pad was calculated (only considering the slab weight, and neglecting any cohesion of the slab to the base concrete). Using the value for zero uplift of the pad a bolt tension allowable was determined. The allowable conservative bolt tension was calculated to be 343 lbs, which is much less than the 1660 lb allowable from the GIP for 5/8 inch bolts with full embedments with the appropriate knockdown factors considered.</p> <p>An ANCHOR Analysis was performed with the reduced tension allowable. The anchorage was adequate with an additional margin of 1.4.</p>
16	1-TK-32 2-TK-32 1-TK-33 2-TK-33 RWST and CST	<p>Anchored with metal straps. The straps were converted to equivalent bolts to meet the GIP criteria. Also, the actual frequencies and capacity were calculated using the formulas used to generate the GIP tables and charts. The tanks were outside the range of the tables and charts.</p>
17	2-PP-9E Vertical Pump	<p>VP/BS Caveat 3: Discharge piping is not laterally restrained in the E-W direction in the plane of the discharge nozzle, may overload discharge nozzle. This unit (Unit 2) has snubbers on the inlet piping while Unit 1 pumps did not. Therefore, piping nozzle loads were included in evaluating the pump anchorage. Nozzle loads were obtained from EDS Calculation 406, 9-19-72, for the suction, and from AEPSC Calculation DC-D-2-CTS-7, 1-18-94, for the discharge. The nozzle loads were within AEP acceptance criteria and the anchorage met GIP acceptance criteria.</p>



N o.	Component or Category	Commentary
18	2-PP-9W Vertical Pump	<p>VP/BS Caveat 3: Attached piping appears to have no lateral restraint in either direction, only vertical downward support. May overload nozzles. Therefore, piping nozzle loads were included in evaluating the pump anchorage. Nozzle loads were obtained from EDS Calculation 406/40CX, 9-10-73, for the suction, and from AEPSC Calculation DC-D-2-CTS-5, 1-9-94, for the discharge. The nozzle loads were within AEP acceptance criteria and the anchorage met GIP acceptance criteria.</p>
19	2-BC-CD1 2-BC-CD2 Battery Chargers	<p>There was some uncertainty as to the type of anchorage used for the Battery Charger. Drawing 12-3436-2 indicates 5/8 inch diameter J-bolts and Drawing 12-3446B-5 indicates 3/4 inch through bolts. The ultrasonic evaluation yielded the type of inconclusive results indicative of J-bolts. The bolts were measured in the field as 5/8 inch diameter.</p> <p>In either case the anchorage is more than adequate, and the uncertainty is a Quality of Documentation Issue and not a seismic capacity issue which is the "intent" of the USI A-46 program. The anchorage is most likely 5/8 inch J-bolts like the Unit 1 CD Chargers, based on the measurement and ultrasonic results. The minimum embedment based on the anchor length above concrete is 9-9/16 inches, slightly below (7/16 inch) the 16 diameter minimum embedment in the GIP. However, due to the high margin of the ANCHOR analysis for a smaller 1/2 inch bolt, and the knowledge that the 5/8 inch bolt will have a higher capacity, the SRT judged that the anchorage "met the intent" of the embedment caveat. The anchorage was deemed acceptable based on the calculation for 2-BC-AB1.</p> <p>The 3/4 inch throughbolt or 5/8 inch throughbolt would even have a higher capacity.</p>
20	2-A11 2-A13 Panel	<p>This panel contains essential relays.</p> <p>There is a door at the far end of the A6-A15 bank that is commonly left open. The door could strike the panel, but the SRT judges the impact is far enough away from the essential relays not to be significant.</p> <p>There is a fire extinguisher hung on the end of A6 that will bang against the cabinet. The SRT judges that it will not affect the essential relays in A11 and A13.</p>

Table 4-8

Issues Tracked Using the SQUG Action Item Report Not Included as an Outlier

Item Number	Equipment ID	Reason	Comments
1	N/A	General Housekeeping; There were loose items in the control room – loose tool cart, loose panel	Plant Maintenance is reviewing what policy regarding seismic housekeeping in the Control Room should be instituted..
2	1-FLX	One bolt on the panel is loose and should be tightened.	Note No. 3
3	1-NIS-I	Two bolts at bottom of panel were missing that bolt the panel to the base frame. Remaining bolts are sufficient to meet SQUG GIP, however bolts should be replaced.	Note No. 2
4	1-ACRA-2 2-ACRA-1	Halon fire extinguishers should be attached to the block walls by through bolts. The SRT did not think this was a credible interaction but believed this should be done for consistency and greater assurance.	Note No. 1
5	2-LSI-1	Overhead grating was not completely clamped in. SRT judged there was sufficient interference from structural members to preclude the grating coming down. Therefore this was not designated as an outlier.	Note No. 2
6	2-LSI-6XX	Drawing for anchorage shows wrong anchorage type. This was not an outlier since the installed anchorage was adequate.	Note No. 3
7	2-HE-33E	Two bolts attaching the heat exchanger to the pump were not in place and appeared broken. The SRT judged that the connecting pipes were adequate to secure the small exchanger during an earthquake. However, the condition should be repaired.	Note No. 2
8	2-HE-35S	The equipment ID tag was missing.	Note No. 2
9	1-QP-21	The equipment ID tag was missing.	Note No. 2

Item Number	Equipment ID	Reason	Comments
10	2-HFK-606	Item not on SSEL. However, during the walkdowns it was discovered that the screw that secures the cover for the rear terminal block is missing.	Note No. 3
11	2-GR-1 2-GR-2	One bolt attaching the bottom of the frame angle to the supporting system (near the north end) was missing. The SRT judged the remaining anchorage adequate without this bolt to meet the SQUG GIP criteria, however the bolt should be replaced.	Note No. 2
12	2-NSR	A couple of bolts (near the north end) attaching the bottom of the base angle to the control panel supporting system were found to be loose. The SRT judged that the anchorage was sufficient with these loose bolts to meet the SQUG GIP criteria, however, the bolts should be tightened.	Note No. 3
13	1-HV-AES-2	Anchorage walkdown states anchors were expansion bolts. The drawings showed J-bolts. Both types are sufficient to meet SQUG GIP criteria.	Note No. 3
14	N/A	This is a generic outlier for both AB and CD Unit 1 and 2 Diesel Generator Rooms. The sodium lamps (overhead) will swing and are on open hooks. The hooks should be modified so they are closed.	Note No. 1
15	1-QT-113-CD2	One of the four anchor bolts is broken. ANCHOR analysis with remaining bolts indicates that the anchorage is adequate. Therefore this was not declared as an outlier. However, this bolt should be replaced.	Note No. 2

Item Number	Equipment ID	Reason	Comments
16	1-MRV-213 1-MRV-243	Valves 1-MRV-213, 243 have a half inch copper tubing that is connected to the solenoids on the top of the valve. It is in contact with the grating steel or steel beam. This was not an interaction outlier because the valve is designed fail safe, and the air line is not required for the valves to perform their safe shutdown function. However, the condition should be modified to increase the clearance.	Note No. 2
17	1-QFA-240	Overhead monorail could move during a seismic event and hit other equipment in the area if it is not locked in place. Not an outlier since 1-QFA-240 would not be impacted. However, the SRT noted that the monorail should be locked in place when not in use.	Note No. 2
18	1-ICM-305 1-ICM-306	The boom of the overhead jib crane was not secured. It can potentially move and hit nearby conduit during a seismic event. This was not an interaction outlier since the valves could not be impacted, however, it is recommended that the boom be secured to the top of the valve enclosure.	Note No. 2
19	2-SV-66	The 1 inch line connecting the safety valve has two missing "U-bolts." The SRT judged that the line was adequately supported and therefore this was not declared an outlier. However, the SRT noted that the "U-bolts" should be installed.	Note No. 2



Item Number	Equipment ID	Reason	Comments
20	1-TK-33 2-TK-33	The RWST supports are rusted and should be cleaned and painted. This was not an outlier because the supports were not deteriorated. However, the supports should be painted to ensure that the supports do not degrade in the future.	Note No. 3
21	N/A	The clips to which the portable fire extinguishers in the Auxiliary Building are mounted, appear to be too small and the possibility exists that the extinguishers could fall off the supports in an earthquake. Larger clips should be installed, as the extinguishers are near safety related equipment.	Note No. 2
22	N/A	A minor modification should be initiated to install an isolation valve in the nitrogen header to allow the separation of the nitrogen supply to plant services from the nitrogen supply to the steam generator PORVs. This will allow for the use of the nitrogen storage tanks to operate the PORVs following a seismic event.	Note No. 4
23	N/A	Some of the cables on emergency battery packs (for BATLIT's) tie down cables were loose. These cables should be inspected and tightened as appropriate.	Note No. 2

Notes Applicable to Comments

- No. 1. This item will be implemented under a design change.
- No. 2. This item will be implemented by plant maintenance under a job order.
- No. 3. This item has been corrected and/or resolved.
- No. 4. This item will be resolved by further evaluation and/or analysis.

5.0 TANK AND HEAT EXCHANGER REVIEW

5.1 Summary of Review

5.1.1 Vertical Tanks

The vertical tank review, as developed in Section 7 of the GIP as part of the resolution of USI A-46, is for large flat bottom tanks and consists of a field inspection and an engineering evaluation of those tanks required for safe shutdown. The only tanks applicable to the GIP methodology at Cook Nuclear Plant were the two Condensate Storage Tanks 1-TK-32 and 2-TK-32, and the two Refueling Water Storage Tanks 1-TK-33 and 2-TK-33.

Vertical tanks are addressed in detail in the USI A-46 evaluation because of the occurrence of tank failures in past earthquakes. The procedure used for resolution of USI A-46 uses current methods to provide justification of the structural integrity of vertical tanks for the Safe Shutdown Earthquake (SSE).

There are several key technical issues addressed in the tank evaluation regarding the seismic demand on the tank, the seismic capacity of the tank, and the tank's critical components. The purpose of this discussion is to provide the background for the USI A-46 evaluation of large flat bottom tanks at Cook Nuclear Plant.

The response of a vertical tank to a seismic event is a combination of sloshing fluid and the impulsive mode from fluid-structure interaction. The sloshing of the fluid at the top surface contributes to the overturning moment of the tank as well as producing loads on the tank roof. Adequate freeboard (i.e. height above the water to the tank's roof) should be provided to prevent roof failure. The sloshing effect occurs at very low frequencies and damping values. The impulsive mode includes the tank shell responding to seismic events at frequencies associated with the shell modes of vibration. This response includes the tank and its contents moving together.

The seismic demand on the tank is discussed in terms of the base shear and overturning moment produced at the tank base. Recent technical research has produced several simplified procedures which develop the response of fluid-filled tanks. The evaluation procedure used for vertical cylindrical tanks at Cook Nuclear Plant includes the sloshing and impulsive modes of the tank.

The USI A-40 issues regarding tanks as identified in Ref. 16 are based on the assumption that several tanks in existing nuclear facilities were designed considering that the impulsive mode of the tank shell and fluid were rigid. In some instances, the original design of the tanks makes this erroneous assumption, which have been the case at Cook Nuclear Plant. The evaluations for USI A-46 resolve USI A-40 issues regarding these tanks.

Attached piping was neglected in computing tank responses. However, flexibility of attached piping was checked during the walkdown to judge whether it could accommodate slight uplift expected in the tank base.

A description of the tanks included in the review for Cook Nuclear Plant and their locations are shown in Table 5-1.

Table 5-1

Vertical Flat Bottom Tanks Reviewed for Cook Nuclear Plant

Tank ID No.	Description
1-TK-33 2-TK-33	Refueling Water Storage Tanks; 48 feet-0 inches Diameter x 32 feet-3 inches Height; ASTM A-240 Type 304 Stainless Steel Flat Bottom Vertical Tanks
1-TK-32 2-TK-32	Condensate Storage Tanks; 52 feet-0 inches Diameter x 34 feet-5 inches; Carbon Steel Flat Bottom Vertical Tank

5.1.2 Method of Solution for Vertical Tanks

The GIP has established a procedure for evaluating large flat bottom tanks. The GIP procedure was used for the Cook Nuclear Plant USI A-46 effort for the evaluation of the tanks at the SSE level.

As will be discussed in Section 5.2 all four tanks reviewed met the intent of the GIP Methodology. However, the anchorage for the tanks consists of 3/8 inch thick straps that are welded to the tank, and embedded in the concrete 2 feet with a hook at its end. This anchorage is not explicitly covered by the GIP anchorage criteria. The intent of the GIP was met by evaluating the strap connection to the tank and embedment in the concrete, showing that the full strength of the strap can be developed. Then the strap was converted to an equivalent bolt.

A description of the procedures outlined in Section 7 of the GIP is as follows. Note, for USI A-46, simplifying tables and charts have been developed. In some cases because of the GIP table and chart limitations, these values were calculated directly, using the applicable basis of the GIP tables and charts.

5.1.3 Determine Tank Seismic Demand

The horizontal impulsive mode natural frequency is determined considering the fluid/tank wall interaction. Using this response frequency, the seismic spectral acceleration (using 4% equipment damping) is determined. Using the determined impulsive mode horizontal spectral response acceleration, the impulsive base shear load and overturning moment for the tank are calculated.

The convective (sloshing) mode natural frequency is also estimated for the 0.3g High Confidence Low Probability of Failure (HCLPF) evaluation. The convective base shear load and overturning moment for the tank are calculated for 0.5% damping. These values are combined with the corresponding impulsive mode values by square-root-sum-of-the-squares

(SRSS) to obtain the total horizontal seismic responses. The USI A-46 procedure considers the effects of the convective mode response by factoring the impulsive mode.

5.1.4 Determine Tank Seismic Capacity

The overturning moment capacity is controlled by the compressive buckling capacity of the shell and the bolt holddown capacity. The compressive buckling capacity for the tanks is controlled by "elephant-foot" buckling. The bolt holddown capacity was determined by checking the anchor bolt tensile capacity, and the ability of the anchor connection to the tank to transmit the load from the tank to the anchor bolts. The pullout capacity of the anchor bolts is also checked to determine if the full tensile capacity of the anchor bolts can be developed.

The overturning moment capacity was then determined as a combination of the limiting shell buckling capacity for compression and the limiting tensile resistance of the anchorage for tension. This value is then compared with the calculated base overturning moment.

The resistance to sliding (shear capacity) was calculated using a friction coefficient of 0.55 for USI A-46. The base shear capacity is compared to the calculated base shear demand. A check of the height of the sloshing wave was also made and compared to the available freeboard.

For the USI A-46 review, normal allowable stresses apply for the tank shell for buckling and for evaluating the anchor bolts and anchor bolt chairs, with the exception of an increase in the allowable weld capacity.

The concrete for the tank foundations is specified to have minimum compressive strength, f'_c , of 3500 psi.

5.1.5 Horizontal Tanks and Heat Exchangers

Horizontal tanks and heat exchangers were evaluated in accordance with the rules and

procedures given in Section 7 of the GIP. This section gives the method for how the heat exchanger reviews were to be performed.

The screening evaluation described in this section for verifying the seismic adequacy of horizontal tanks and heat exchangers covers those features of horizontal tanks and heat exchangers which experience has shown can be vulnerable to seismic loadings. The evaluations included the following features:

- Check that the anchor bolts and their embedments have adequate strength against breakage and pullout.
- Check that the anchorage connection between the anchor bolts and the tank shell (e.g., saddles) have adequate strength.

The SRT reviewed these evaluations to verify that they met the intent of these guidelines. This review included a field inspection of the heat exchanger, the anchorage connection and the anchor bolt installation. The horizontal tanks and heat exchangers included in the effort that are applicable to the GIP guidance are included in Table 5-2.

The derivation and technical justification for the guidelines utilized for these exchangers were developed specifically for horizontal cylindrical tanks and heat exchangers with support saddles made of plates. The types of loadings and analysis methods described in this section are considered to be appropriate for these types of horizontal tanks and heat exchangers. However, a generic procedure cannot cover all the possible design variations. Other design features not covered by the GIP were evaluated using the same procedures and loading conditions as given in Section 7 of the GIP.

The horizontal tanks and heat exchangers which are covered by the screening guidelines in Section 7 of the GIP are cylindrical steel tanks and heat exchangers whose axes of symmetry are horizontal and are supported on their curved bottom by steel saddle plates. The screening guidelines are based on the assumption that the horizontal tanks are anchored to

a stiff foundation which has adequate strength to resist the seismic loads applied to the tank. All the base plates under the saddles are assumed to have slotted anchor bolt holes in the longitudinal direction to permit thermal growth of the tank, except for the saddle at one end of the tank which is fixed. The saddles are assumed to be uniformly spaced a distance (S) apart, with the two ends of the tank overhanging the end saddles a maximum distance of S/2.

A simple, equivalent static method is used to determine the seismic demand and the capacity of the anchorages and the supports for horizontal tanks and heat exchangers. The screening guidelines contained in Section 7 of the GIP specifically addressed only the seismic loads due to the inertial response of horizontal tanks and heat exchangers. If, during the Screening Verification and Walkdown of a tank the Seismic Capability Engineers determined that the imposed nozzle loads due to the seismic response of attached piping may be significant, then the GIP requires these loads to be included in the seismic demand applied to the anchorage and supports of the tank. Nozzle loads were included when judged significant by the SRT.

There were several other small tanks and heat exchangers included in the walkdowns. However, these were not applicable to the GIP calculation methodology. For these items the SRT checked either by calculation or by judgment any potential seismic vulnerabilities. This included the component anchorage, structural members and connections for tanks on legs, etc.

5.2 Summary of Results

5.2.1 Results - Vertical Tanks

Results of the USI A-46 evaluation for large vertical tanks are summarized in this subsection. All tanks were screened to meet the intent of the GIP requirements.

5.2.2 Results - Horizontal Tanks and Heat Exchangers

Results of the USI A-46 evaluation for saddle supported horizontal tanks and heat exchangers are summarized in this subsection. All horizontal tanks and heat exchangers met the GIP requirements.

Table 5-2
Horizontal Tanks and Heat Exchangers on at Least Two Saddles
Reviewed for Cook Nuclear Plant

Heat Exchanger ID No.	Description
1-HE-14 2-HE-14	Letdown Heat Exchangers. Small exchangers about 2 feet diameter on 2 saddle supports.
1-HE-15E 1-HE-15W 2-HE-15E 2-HE-15W	Component Cooling Water CCW Heat Exchangers. About 5 feet diameter, 35 feet long.
12-HE-16N 12-HE-16S	North and South Spent Fuel Pit Heat Exchangers. 3 feet 2 inch Diameter by 22 feet long on two saddle supports
1-QT-107-AB 1-QT-107-CD 2-QT-107-AB 2-QT-107-CD	Emergency Diesel Fuel Oil Day Tanks. Small horizontal tanks on two saddles about 4 feet in diameter by 10 feet long.
1-QT-115-AB 1-QT-115-CD 2-QT-115-AB 2-QT-115-CD	Emergency Diesel Lube Oil Sump Tanks. Small Horizontal tanks on three saddles about 4 feet in diameter by 10 feet long.

6.0 CABLE TRAY AND CONDUIT RACEWAY REVIEW

The cable and conduit raceway review was performed as specified in Section 8 of the GIP Revision 2 dated 2/14/92. Raceway systems were walked-down, checked against the Inclusion Rules and Other Seismic Performance Concerns as specified in Section 8.2 of the GIP, and examined for seismic spatial interactions with adjacent equipment and structures. Representative, worst-case raceway supports were selected and as-built. These supports then received a Limited Analytical Review per Section 8.3 of the GIP. Outliers were identified and documented.

The following summarizes the raceway review. The full documentation - including Plant Area Summary Sheets (PASS), Limited Analytical Reviews (LARs), Outlier Seismic Verification Sheets (OSVS), and back-up documentation - is contained in a separate report entitled "USI A-46 Cable Tray & Conduit Raceway Review" (Reference 17).

6.1 Scope of the Raceway Review

The review includes all cable and conduit raceway systems in the plant which could support power, control, or instrumentation wiring for equipment on the Safe Shutdown Equipment List (SSEL). This consists of all raceway systems in both Containments, all areas in the Auxiliary Building, and the safety related areas of the Screen House.

6.2 Seismic Review Team

The Seismic Capability Engineers for the raceway review were I.C. Huang (AEPSC), Stephen Anagnostis (S&A), and George Gary Thomas (S&A). Mr. Anagnostis and Mr. Thomas reviewed the Unit 1 Containment. Mr. Huang and Mr. Anagnostis reviewed the Unit 2 Containment and the rest of the plant.

6.3 Summary of the Plant Area Summary Sheets (PASS)

Table 6-1 summarizes the PASS. The first column contains the ID used to track the PASS, the second column describes the area of the plant covered by the PASS, and the third column lists the LARs (if any) associated with the PASS. The PASS themselves - including the checklist, SRT notes, photographs, and LAR as-builts - can be found in Section 2 of Reference 17.

The four PASS that produced outliers are annotated on the right hand side of Table 6-1. The annotations contain a brief description of the outliers. The outliers are discussed in more detail below.

6.4 Summary of the Limited Analytical Reviews (LARs)

Table 6-2 summarizes the LARs. The first column lists the ID used to track the LARs, the second column lists the ID of the PASS which generated the LAR. The third column contains the governing interaction value for the LAR, and the fourth column lists the load case that generated the governing interaction value. The two LARs that resulted in outliers are annotated on the right hand side of Table 6-2 (note that these are two of the four outliers noted in Table 6-1).

The interaction in Column 3 is the ratio of a computed value to an allowable value, so an interaction of one (1) or less indicates that the value is less than or equal to the allowable. Two LARs (LAR010 and LAR018) produced interactions slightly above 1, but were judged acceptable by the SRT. Two of the LARs (LAR005 and LAR022) produced interactions significantly above 1, and were declared outliers.

The complete LARs are contained in Section 3 of Reference 17.

6.5 Summary of Raceway Outliers

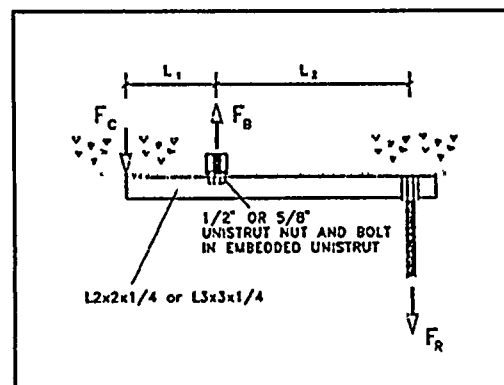
The raceway review resulted in four (4) outliers. They are summarized below and fully documented in Section 4 of Reference 17.

RACE003 In this area, two cable trays are rigidly supported from steel columns that are about 15 feet apart. 2x2x1/4 steel angle framing spanning between the columns, supports the cable trays at mid-span. The LAR (LAR022) showed that the framing alone does not meet design allowables for the deadweight of the cable trays. If the framing is ignored, the trays do not meet the Inclusion Rule requirement of 10 feet between supports.

The outlier is resolved analytically (the resolution is included with the OSVS in Section 4 of Reference 17) by showing that the combination of the trays and the framing can support the required load.

RACE101 A 1 inch conduit in this area is missing several conduit clamps, resulting in an overspan condition. The recommended resolution is to replace the clamps. The clamps have been replaced; see Cook Nuclear Plant action request A/R #0108046.

RACE103 A common (but not prevalent) rod hanger anchorage detail used is shown below (the SRT referred to it as the "prying-action" detail). In most cases it has an acceptable configuration: $L_2 \leq L_1$ and $L_2 + L_1 \leq 12$ inches. The worst-case configuration was that of LAR005: a heavily loaded hanger (1200 lb deadweight) with $L_2 = 10$ inches and $L_1 = 2$ inches. This configuration does not meet the LAR requirements.



The recommended resolution to this outlier is to walk-down the plant and document all occurrences of this detail, screen the specific configuration of each detail using an acceptance criteria based on the LAR requirements, and modify those occurrences that do not meet the criteria. The first part of this resolution - the walkdown and screening - has already been implemented and is documented in Section 4 of Reference 17. Fifty occurrences were found and documented, 12 require modification.

RACE130 Two small diameter conduit in this area are unsupported over a length of about 30 feet. The recommended resolution is to support the conduit so that they meet the Inclusion Rules' requirements. This overspan condition has been corrected.

Table 6-1
Summary of the Plant Area Summary Sheets (PASS)

PASS No.	Plant Area	LAR No.
RACE001	Unit 2 - Containment - Instrument Room	
RACE002	Unit 2 - Containment - Accumulators 1, 4	LAR019 LAR020
RACE003	Unit 2 - Containment Accumulators 2, 3 Area	LAR021 [1] thru LAR024
RACE004	Unit 2 - Containment - Annulus	LAR025 LAR027
RACE005	Unit 2 - Lower Containment, E1 598	LAR028
RACE006	Unit 2 - Lower Containment, E1 625 to 650	
RACE007	Unit 2 - Upper Containment	
RACE100	Unit 1 & 2 - Auxiliary Building, E1 573	LAR017
RACE101	Unit 1 - Auxiliary Building - Startup Blowdown Flashtank Room & Vestibule Area	LAR011 [2]
RACE102	Unit 2 - Auxiliary Building - Startup Blowdown Flashtank Room & Vestibule Area	LAR003 LAR004
RACE103	Unit 1 - Auxiliary Building - Area around Containment from Az 90 to AZ 360	LAR005 [3]
RACE104	Unit 2 - Auxiliary Building - Area around Containment from AZ 90 to Az 360	LAR006 LAR007
RACE105	Unit 1 - East Main Steam Stop Enclosure E1 612 and up	
RACE106	Unit 2 - East Main Steam Stop Enclosure E1 612 and up	
RACE107	Unit 1 - Auxiliary Building - Vestibule Area E1 633 and E1 650	
RACE108	Unit 2 - Auxiliary Building - Vestibule Area E1 633 and E1 650	
RACE109	Unit 1 - Cable Penetration Area - E1 596	LAR008 LAR009 LAR010 LAR012
RACE110	Unit 2 - Cable Penetration Area - E1 596	LAR016
RACE111	Unit 1 - West Main Steam Stop Enclosure E1 621 and up	
RACE112	Unit 2 - West Main Steam Stop Enclosure E1 621 and up	

PASS No.	Plant Area	LAR No.
RACE113	Unit 1 - Diesel Generator Rooms	
RACE114	Unit 2 - Diesel Generator Rooms	
RACE115	Unit 1 & 2 - Motor Driven and Turbine Driven Auxiliary Feed Pump Rooms	
RACE117	Unit 1 - 4KV Switchgear Area	LAR013 LAR015
RACE118	Unit 2 - 4KV Switchgear Area	LAR018
RACE119	Unit 1 - Cable Vault	LAR014
RACE120	Unit 2 - Cable Vault	
RACE121	Unit 1 & 2 - Control Room Air Conditioning and Computer Rooms	
RACE122	Unit 1 & 2 - UPS Inverter Room and Battery Room	
RACE123	Unit 1 & 2 - Screen House	
RACE124	Unit 1 & 2 - Auxiliary Building E1 650	
RACE125	Unit 1 & 2 - Auxiliary Building E1 609	LAR001
RACE126	Unit 1 & 2 - Auxiliary Building E1 633	
RACE127	Unit 1 & 2 - Auxiliary Building E1 587	
RACE128	Unit 1 & 2 - Control Room	
RACE129	Unit 1 - Containment - Outside Crane Wall E1 598 (Annulus)	
RACE130	Unit 1 - Containment - Outside Crane Wall E1 609-638	[2]
RACE131	Unit 1 - Containment - Inside Crane Wall E1 598 (Lower Containment)	LAR030
RACE132	Unit 1 - Containment - Inside Crane Wall E1 620-650 (Lower Containment)	
RACE 133	Unit 1 - Containment - Inside Crane Wall Above E1 650 (upper Containment)	LAR031 LAR032

- [1] Outlier due to LAR022
[2] Outlier due to small diameter conduit overspans.
[3] Outlier due to LAR005

Table 6-2
Summary of The Limited Analytical Reviews (LARs)

LAR Number	PASS Number	Interaction Coefficient	Controlling Load Case
LAR001	RACE125	0.68	3DL
LAR002	(Not Used)		
LAR003	RACE102	0.50	DL
LAR004	RACE102	0.29	DL
LAR005	RACE103	5.60	3DL [1]
LAR006	RACE104	0.76	3DL
LAR007	RACE104	0.81	DL
LAR008	RACE109	0.94	DL
LAR009	RACE109	0.85	LL
LAR010	RACE109	1.05	DL
LAR011	RACE101	1.02	LL
LAR012	RACE109	0.45	DL
LAR013	RACE117	0.72	DL
LAR014	RACE119	0.93	3DL
LAR015	RACE117	0.84	DL
LAR016	RACE110	0.79	LL
LAR017	RACE100	0.70	DL
LAR018	RACE118	1.04	3DL
LAR019	RACE002	0.33	DL
LAR020	RACE002	0.67	DL
LAR021	RACE003	0.22	DL
LAR022	RACE003	1.70	DL [2]
LAR023	RACE003	0.90	DL
LAR024	RACE003	0.25	DL
LAR025	RACE004	0.55	LL
LAR026	(Not Used)		



LAR Number	PASS Number	Interaction Coefficient	Controlling Load Case
LAR027	RACE004	0.96	3DL
LAR028	RACE005	0.14	DL
LAR029	(Not Used)		
LAR030	RACE131	low	DL
LAR031	RACE133	0.19	DL
LAR032	RACE133	0.68	DL

DL	Dead Load Check
3DL	3x Dead Load (Vertical Load Check)
LL	Lateral Load Check
RF	Rod Fatigue Check

- [1] Outlier due to "prying-action" detail
[2] Outlier due to hanger construction

7.0 PLAN FOR ADDRESSING UNRESOLVED OUTLIERS AND OPEN ISSUES

Tables 4-5 and 4-6 identify all outliers for Class of 21 equipment, Section 6.5 identifies outliers for the cable tray and conduit, and Table 4-8 lists items requiring further review or action, but not included as an outlier.

Some of the outliers have been resolved and modifications have been implemented at the plant. The outliers and other items identified have been evaluated against the current licensing and design basis and no deviations or operability concerns were identified. AEPSC is continuing to evaluate these issues with the intent to resolve all of them and implement modifications if required.

It is currently AEPSC's intent to close out all remaining issues before the conclusion of the refueling outages following the next three operating cycles.

8.0 CONCLUSIONS AND RESULTS

Cook Nuclear Plant has developed and implemented a program to satisfy the requirements of the USI A-46 seismic evaluation. The program implemented concentrated on verifying the seismic adequacy of electrical and mechanical equipment, large tanks, cable tray and conduit raceway systems. The screening and verification walkdowns verified that the Cook Nuclear Plant equipment, tanks, distribution systems and structures are able to withstand the design basis SSE and perform their safe shutdown function.

There were several walkdowns performed from the summer of 1991 through the fall of 1995. Screening Evaluation Work Sheets and Seismic Verification Data Sheets were developed for each equipment item on the equipment list. The SVDS contain walkdown observations as well as screening results and are contained in Appendix C. Seismic Evaluation Work Sheets for all equipment items on the equipment list were developed. The work sheets consisted of general descriptions of the equipment, and walkdown observations.

There were 47 and 39 outliers for Class of 21 equipment items in Unit 1 and Unit 2 respectively. Although there were several outliers, no outliers resulted in equipment inoperability. Open issues will be resolved as noted in Section 7.0.

There were four outliers identified in the cable tray and conduit raceway walkdowns and two due to the LAR calculations. All have been resolved except for one that will require minor plant modifications.



9.0 REFERENCES

1. NRC Regulatory Guide 1.100, "Seismic Qualification of Electrical Equipment for Nuclear Power Plants," March 1976.
2. IEEE 344-1975, "IEEE Recommended Practice for Seismic Qualification of Class 1E Equipment for Nuclear Power Generating Stations," 1975.
3. USNRC Standard Review Plan Section 3.10, "Seismic and Dynamic Qualification of Mechanical and Electrical Equipment," NUREG-0800, July 1981.
4. Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46," USNRC, Washington, D.C., February 19, 1987.
5. "Generic Implementation Procedure (GIP), for Seismic Verification of Nuclear Plant Equipment," Revision 2, February 1992, Seismic Qualification Utility Group.
6. USNRC, Supplement 1 to Generic Letter (GL) 87-02, that transmits "Supplemental Safety Evaluation Report No. 2 (SSER No. 2) on SQUG Generic Implementation Procedure, Revision 2, as Corrected on February 14, 1992 (GIP-2)," May 22, 1992.
7. USAEC Regulatory Guide 1.60, "Design Response Spectra for Seismic Design of Nuclear Power Plants," December 1973.
8. USAEC Regulatory Guide 1.61, "Damping Values for Seismic Design of Nuclear Power Plants," October 1973.
9. USAEC, TID-7024, "Nuclear Reactors and Earthquakes," August 1963.

10. G.W. Housner, "Design of Nuclear Power Reactors Against Earthquakes," Proceedings of the Second World Conference on Earthquake Engineering, Vol. 1, Japan 1960, pg. 133, 134, and 137.
11. ANSI/IEEE 344-1971, IEEE Guide for Seismic Qualification of Class 1 Electric Equipment for Nuclear Power Generating Stations, Approved September 16, 1971.
12. "The GIPPER, User's Manual," Stevenson and Associates, April 1993.
13. SSRAP Report, "Use of Seismic Experience Data to Show Ruggedness of Equipment in Nuclear Power Plants," Senior Seismic Review and Advisory Panel, published by Sandia National Laboratory, Report DE92-019328, June 1992.
14. EPRI NP-5228, "Seismic Verification of Nuclear Plant Anchorage, Volume 1: Development of Anchorage Guidelines; Vol. 2: Anchorage Inspection Workbook," URS Corp./John A. Blume & Associates, Prepared for Electric Power Research Institute, Palo Alto, CA, Rev. 1, June 1991.
15. AEPSC Report No. MT2, Rev. 0, "Summary Report of Fundamental Frequencies Determined By In-Situ Transfer Function Modal Testing at Cook Nuclear Plant," approved August 10, 1994.
16. NUREG/CR-3480, "Value/Impact Assessment for Seismic Design Criteria USI A-40," Lawrence Livermore National Laboratory, August 1984.
17. Stevenson & Associates Report, "USI A-46 Cable Tray and Conduit Raceway Review," November 1995.

APPENDIX A

RESUMES OF

SEISMIC EVALUATION PERSONNEL

**(PER SQUG GENERIC IMPLEMENTATION
PROCEDURE, SECTION 2)**

GEORGE G. THOMAS**EDUCATION**

B.S. - Civil Engineering - Purdue University, 1976

M.S. Civil Engineering - Purdue University, 1978

REGISTRATION:

Registered Engineer-in-Training: Indiana

Passed Principals and Practices Exam: Texas

PROFESSIONAL HISTORY:

Stevenson & Associates, Cleveland, Ohio, Project Engineer, 1982 - Present

Cleveland State University, Cleveland Ohio, Engineering Instructor, 1981 - 1987

Davy McKee Company, Cleveland, Ohio, Lead Engineer, 1980 - 1982

Exxon Production Research Company, Texas, Research Engineer, 1978 - 1980

McDermott-Hudson Engineering Con., Engineer/Draftsman, 1976 - 1977

PROFESSIONAL EXPERIENCE:

Mr. Thomas has served as a Project Manager for Stevenson & Associates on a variety of projects involving the evaluation and qualification of nuclear safety-related structures, equipment and piping. He has been responsible for the detailed seismic analysis, testing and qualification of a variety of mechanical and electrical equipment and piping systems, including the anchorage and support structure evaluations. He has performed analysis of safety-related piping systems subject to extreme loadings of earthquake, tornado wind, and missile impact. He has performed a failure analysis of a piping system due to water hammer loading. He has performed in-situ modal testing of nuclear components to determine their dynamic characteristics, and to determine structure amplified response spectra.

Mr. Thomas developed a large portion of the Generic Implementation Procedure, GIP, for the Seismic Qualification Utilities Group, SQUG, that defined the generic walkdown requirements for USI A-46. Mr. Thomas was a walkdown participant for both the SQUG Zion and Nine Mile Point 1 trial plant walkdowns for SQUG. Mr. Thomas prepared and presented the training modules on the GIP for the SQUG training program, and was one of the Subject Matter Experts for the development of the training program and the training program tapes.

Mr. Thomas was the Project Manager and a Lead Walkdown Engineer on a Seismic Review Team for the D.C. Cook Nuclear Station Units 1 and 2 for USI A-46, Arkansas Nuclear One Units 1 and 2 for a combine USI A-46 and Seismic Margins Assessment for IPEEE, and Waterford 3, Grand Gulf 1 and V.C. Summer 1 for the Seismic Margins Assessment for IPEEE. In addition, Mr. Thomas was the Project Engineer for the Turkey Point Unit 3 and 4 and St. Lucie Unit 1 and 2 USI A-46 and seismic IPEEE efforts using Florida Power & Light's

Utility specific program. Mr. Thomas was Project Manager and participated on the walkdown for the seismic IPEEE Probabilistic Risk Assessment for Beaver Valley Unit 2. Mr. Thomas as Project Manager for these evaluations is the primary author of the final IPEEE and USI A-46 reports.

Mr. Thomas has developed background material and a seismic criteria document for a utility client for an older nuclear power plant to be used by the utility in seismic evaluations for modifications and additions to plant structures, equipment and piping. He has served as a Project Engineer for a pilot snubber reduction program for a utility and has provided expert consulting services to another utility for their in-house snubber reduction program.

Mr. Thomas developed program COMPARE which consisted of the assembly of a data base of nuclear power plant components that have been previously seismically qualified. He developed the computer software on an IBM-PC computer to store and retrieve seismic qualification data on these components. The program is used to facilitate seismic qualification of components not previously qualified by comparison to those components qualified in the data base.

Mr. Thomas has served as a part time instructor in the School of Civil Engineering and Engineering Technology at Cleveland State University. On the undergraduate level, he has taught Static, Dynamics, Material Science, Structural Analysis and Concrete Design. In the graduate program, he has taught Advanced Steel Design. In all of the teaching assignments he was responsible for developing the course outline, lecture notes, problems and tests.

Mr. Thomas served as Lead Engineer in the Piping Engineering Group of Davy McKee Company. His work consisted of the design supervision and design of piping networks in a number of different petrochemical facilities. His responsibilities comprised the following:

Designing and analyzing piping networks subjected to thermal, weight, wind, earthquake, and pressure loadings using both manual and computerized techniques.

Design and analysis of pipe supports and pipe support structures. Preparing specifications for expansion joints, and providing an overall support and expansion joint package. Preparing hydrotest procedures and planning of hydrotest circuits.

Mr. Thomas served as a Research Engineer in the Offshore Structures Division of Exxon Production Research Company. His work consisted of development of design and analysis procedures for the Guyed Tower, a type of deepwater offshore production platforms. He performed the dynamic, structural, and fatigue analysis necessary for the Guyed Tower design of three proposed structures. He also wrote, revised, and maintained computer programs used in the Guyed Tower analysis and design procedures.

Mr. Thomas served as an Engineer and Draftsman for Robert W. Crooks Consulting Engineer and McDermott-Hudson Engineering Company. His work consisted of structural design, drafting, foundation design, railroad layout, and site development for chemical facilities.

PUBLICATIONS:

1. Mr. Thomas, G.G. and Finn, L.D., "A Guyed Tower for North Sea Production," Presented at 4th Offshore North Sea Technology Conference in Stavanger, Norway, 1980.
2. Thomas, G.G. and Starck, R.G., "Overview of SQUG Generic Implementation Procedure (GIP)," "Second Symposium on Current Issues Related to Nuclear Power Plant Structures, Equipment, and Piping with Emphasis on Resolution of Seismic Issues in Low-Seismicity Regions, EPRI NP-6437-D Proceedings, May 1989.
3. Thomas, G.G. and Starck, R.G., "Overview of SQUG Generic Implementation Procedure (GIP)," Nuclear Engineering and Design, Vol. 123 (1990), Nos. 2&3, October (II) 1990, Pgs 225-231.

WALTER DJORDJEVIC

EDUCATION:

B.S. - Civil Engineering, University of Wisconsin at Madison, 1974

M.S. - Structural Engineering, Massachusetts Institute of Technology, 1976

REGISTRATION:

State of California, State of Wisconsin, Commonwealth of Massachusetts, State of Michigan

PROFESSIONAL HISTORY:

Stevenson & Associates, Inc., Vice President and General Manager of the Boston office, 1983 - present

URS/John A. Blume & Associates, Engineers, Boston, Massachusetts, General Manager, 1980 - 1983; San Francisco, California, Supervisory Engineer, 1979 - 1980

Impell Corporation, San Francisco, California, Senior Engineer, 1976 - 1979

Stone & Webster Engineering Corporation, Boston, Massachusetts, Engineer, 1974 - 1976

PROFESSIONAL EXPERIENCE:

Mr. Djordjevic founded the Stevenson & Associates Boston office in 1983 and serves as Vice President and General Manager of the Boston area office.

Mr. Djordjevic is expert in the area of dynamic qualification of electrical and mechanical equipment. He has participated in and managed over twenty major projects involving the evaluation and qualification of vibration sensitive equipment and seismic hardening of equipment. As demonstrated by his committee work and publications, Mr. Djordjevic has participated in and contributed steadily to the development of equipment qualification and vibration hardening methodology.

Mr. Djordjevic's previous walkdown experience included all of the SEP plants (8 plants), Nine Mile - Unit 1, D.C. Cook - Units 1 & 2, the Hanford Reservation Purex facility and the Savannah River Plant Reservation L-Reactor.

Representative projects include overseeing the SEP shake-table testing of electrical raceways, in-situ testing of control panels and instrumentation racks at various nuclear facilities, equipment anchorage walkdowns and evaluations at various nuclear facilities, principal author of the CERTIVALVE software package to evaluate nuclear service valves, and contributing author in



the development of the ANCHOR and EDASP software packages commercially distributed by Stevenson & Associates.

Mr. Djordjevic has been involved extensively in the reassessment of safety-related equipment for commercial nuclear facilities and government U.S. Department of Energy facilities, for which he maintains an active Q-clearance status. He has served on advisory groups and review teams touring older existing nuclear facilities to assess safety and has performed earthquake reconnaissance at such installations following seismic events.

PROFESSIONAL GROUPS:

Member, Institute of Electrical and Electronics Engineers, Nuclear Power Engineering Committee Working Group SC 2.5 (IEEE-344)

Chairman, American Society of Civil Engineers Nuclear Structures and Materials Committee, Working Group for the Analysis and Design of Electrical Cable Support Systems

Member, American Society of Mechanical Engineers Operation, Application, and Components Committee on Valves, Working Group SC-5



STEPHEN ANAGNOSTIS

EDUCATION:

B.S. - Civil Engineering, Columbia University School of Engineering, 1974
M.S. - Structural Engineering, Massachusetts Institute of Technology, 1976

PROFESSIONAL HISTORY:

Stevenson & Associates, Inc., Project Manager, 1983 - present

URS / John A. Blume & Associates, Engineers, Boston, Massachusetts, Project Engineer 1982 - 1983; Senior Engineer, 1980 - 1982

Charles Stark Draper Laboratory, Cambridge, Massachusetts, Technical Staff, 1976 - 1980; Draper Fellow, 1974 - 1976

PROFESSIONAL EXPERIENCE:

Mr. Anagnostis joined Stevenson & Associates in February 1983 as Project Manager of the Boston area office.

Mr. Anagnostis was extensively involved in both analysis (frequency domain and time domain structural dynamics) and testing (in-situ modal and full-scale shaking-table) at URS/Blume's Boston office. He had lead technical responsibility for a two year program to develop a seismic evaluation criteria for electrical raceway systems at eight of the oldest United States nuclear power stations. This program included the design, supervision, and data analysis of shaking-table tests of full-scale raceway systems, cyclic/fatigue tests of raceway components, and the development of analytical evaluation techniques incorporating the test results.

As a member of the technical staff of Charles Stark Draper Laboratory, Mr. Anagnostis was involved in the assessment of space based surveillance (infra-red and radar) and defense systems for the Defense Advanced Research Projects Agency. He was a major author of a software simulation system to assess the capabilities of spaced based optical systems including structural vibrations, control dynamics, and optical performance.

PROFESSIONAL GROUPS:

Committee, Working Group for the Analysis and Design of Electrical Cable Support Systems

Member, American Society of Civil Engineers Nuclear Structures and Materials





STEPHEN ANAGNOSTIS

EDUCATION:

B.S. - Civil Engineering, Columbia University School of Engineering, 1974

M.S. - Structural Engineering, Massachusetts Institute of Technology, 1976

PROFESSIONAL HISTORY:

Stevenson & Associates, Inc., Project Manager, 1983 - present

URS / John A. Blume & Associates, Engineers, Boston, Massachusetts, Project Engineer 1982 - 1983; Senior Engineer, 1980 - 1982

Charles Stark Draper Laboratory, Cambridge, Massachusetts, Technical Staff, 1976 - 1980; Draper Fellow, 1974 - 1976

PROFESSIONAL EXPERIENCE:

Mr. Anagnostis joined Stevenson & Associates in February 1983 as Project Manager of the Boston area office.

Mr. Anagnostis was extensively involved in both analysis (frequency domain and time domain structural dynamics) and testing (in-situ modal and full-scale shaking-table) at URS/Blume's Boston office. He had lead technical responsibility for a two year program to develop a seismic evaluation criteria for electrical raceway systems at eight of the oldest United States nuclear power stations. This program included the design, supervision, and data analysis of shaking-table tests of full-scale raceway systems, cyclic/fatigue tests of raceway components, and the development of analytical evaluation techniques incorporating the test results.

As a member of the technical staff of Charles Stark Draper Laboratory, Mr. Anagnostis was involved in the assessment of space based surveillance (infra-red and radar) and defense systems for the Defense Advanced Research Projects Agency. He was a major author of a software simulation system to assess the capabilities of spaced based optical systems including structural vibrations, control dynamics, and optical performance.

PROFESSIONAL GROUPS:

Committee, Working Group for the Analysis and Design of Electrical Cable Support Systems

Member, American Society of Civil Engineers Nuclear Structures and Materials



JOHN D. STEVENSON**EDUCATION:**

B.S. - Civil Engineering-Virginia Military Institute, 1954
M.S. - Civil Engineering-Case Institute of Technology, 1962
Ph.D.- Civil Engineering-Case Institute of Technology, 1968

REGISTRATION:

Commonwealth of Virginia, State of Ohio

PROFESSIONAL HISTORY:

Stevenson & Associates, Cleveland, Ohio, President: 1981 - present
Structural Mechanics Associates, Cleveland, Ohio, Vice President: 1980 - 1981
Woodward Clyde Consultants, Cleveland, Ohio, Vice President: 1979 - 1980
A.G. McKee & Co., Cleveland, Ohio, Vice President: 1976 - 1979
Case Western Reserve University, Cleveland, Ohio, Assoc. Prof.: 1974 - 1976
Westinghouse Electric Co., Pittsburgh, Pennsylvania, Consultant: 1972 - 1974
University of Pittsburgh, Pittsburgh, Pennsylvania, Adjunct Professor: 1970 - 1972
Westinghouse Nuclear Energy Systems, Manager Structural System Engineering: 1966 - 1970
Virginia Military Institute, Assistant Professor: 1957 - 1962

PROFESSIONAL EXPERIENCE:

Since November 1981, Dr. Stevenson has managed and has served as President and Senior Consultant to Stevenson & Associates. The firm specialized in high technology consulting and engineering services associated with failure analysis of structural and mechanical systems; extreme load; and nonlinear, dynamic, probabilistic and high temperature analyses.

His years of expertise include structural and mechanical design and qualification of nuclear power plant structures and components. He serves on several committees of the ASCE, ASME, ANS, ACI and AISC charged with the development of standards devoted to design of nuclear power stations and 23 years as a structural-mechanical engineer with particular application to structural design, analysis and evaluation of containment structures. A list of nuclear containment related projects which Dr. Stevenson performed or directly supervised, is as follows:

1. Developed seismic design criteria for 5 nuclear containments: Westinghouse Turnkeys
2. Reviewed and approved structural design adequacy from plans and specifications for 5 nuclear power plant containments: Westinghouse Turnkeys
3. Quality Assurance audit (technical) of the Tokomak fusion test reactor tritium containment structures to resist seismic loads: U.S. Department of Energy

JOHN D. STEVENSON

Page Two

4. Review and evaluation of the Purex facility structural capabilities at Hanford Plant: U.S. Department of Energy.
5. Survey and evaluation of the L reactor containment capabilities for Savannah River Plant: E.I. DuPont
6. Systematic evaluation of the structural capacity of a 600 MW Candu reactor containment in Argentina
7. Review of structural adequacy of the nuclear plant containment facilities for the D.C. Cook Nuclear Power Plant: American Electric Power Corporation to include probabilistic determination of ultimate strength capacity of the containment to carry severe accident loads
8. Review of structural adequacy of the nuclear plant containment for the Ft. Calhoun containment to include probabilistic determinations of ultimate strength capacity of the containment to carry severe accident loads
9. Personally performed walkdowns of 12 operating nuclear power plant containments to determine "as is" condition and to recommend up-grade and in-service inspection procedures for VVER-PWR plants

PROFESSIONAL GROUPS:

- Member, American Society of Civil Engineers, Structural Division Committee on Dynamic Analysis of Nuclear Facilities
Chairman, American Society of Civil Engineers, Nuclear Standards Committee
Former Chairman, American Society of Civil Engineers, Executive Committee Technical Council Codes and Standards
Member, American Concrete Institute, Joint ACI-ASME Committee on Concrete Pressure Retaining Components in Nuclear Service, ASME BPVC-Section III-Div. 2
Former Chairman, American Concrete Institute, Joint ACI-ASME Committee on Concrete Pressure Retaining Components in Nuclear Service, ASME BPVC-Section III-Div. 2, Subgroup on Design of Concrete Containments and Reactor Vessels
Member, American Society of Mechanical Engineers, Subgroup on Design of ASME BPVC-Section III-Div. 1 Nuclear Components Subcommittee on Qualification of Mechanical Components in Nuclear Service
Chairman, American Society of Mechanical Engineers, Subgroup on Design of Shipping Cask Containments ASME BPVC-Section III-Div. 3
Member, NUPPSCO, American Nuclear Society Committee on Nuclear Power Plant Codes and Standards
Member, ANS-2, American Nuclear Society Committee on Site Evaluation; NUPPSCO, American Nuclear Society Committee on Nuclear Power Plant Codes and Standards
Chairman, ANS-2.3, American Nuclear Society Committee on Site Evaluation; NUPPSCO, American Nuclear Society Committee on Nuclear Power Plant Codes and Standards, Tornado Criteria
Member, AISC, American Institute of Steel Construction Committee on Specifications for Structural Steel in Safety Class Nuclear Structures

G. A. Harstead

GUNNAR A. HARSTEAD

EDUCATION

B.S.C.E., Columbia University, New York, 1954
M.S.C.E., Columbia University, New York, 1962
Ph.D., New York University, New York, 1966

REGISTRATION:

States of New York, New Jersey, Pennsylvania and Florida

PROFESSIONAL HISTORY:

HEA, Inc., President, (1979-Present)
Soot & Harstead Associates, Vice President, (1975-1979)
Stone & Webster, Assistant Chief Structural Eng, (1974-1975)
Burns & Roe, Inc., Senior Supervising Civil Eng, (1967-1974)
Westinghouse, Senior Engineer, (1965-1967)
Severud Associates, Structural Engineer, (1959-1963)
Howard Needles, Structural Designer, (1957-1959)
US Navy, Commissioned Officer, (1954-1957)

PROFESSIONAL EXPERIENCE:

Dr. Harstead has thirty five years experience in structural analysis and design, mainly in the area of nuclear power. He has served as a consultant for NRC design audits and site inspections of nuclear power plants. He has developed design criteria and code requirements for design of nuclear power plant structures and equipment, and served as a leader of expert investigations of structural and mechanical failures. In his current position as President of HEA, Inc, Dr. Harsted is responsible for the direction of structural and mechanical engineers, with primary responsibility for design and analysis of nuclear power facilities.

G. A. Harstead

As a consultant to the Nuclear Regulatory Commission, Dr. Harstead has performed integrated design inspections at the Sequoyah, Byron, Seabrook, River Bend, and Perry nuclear power plants. The inspections included field walkdowns to determine seismic adequacy of mechanical and electrical equipment and distribution systems and structures. He has also conducted independent design reviews at the Limerick, Clinton, Vogtle, Nine Mile Point, and South Texas nuclear power plants. Here he conducted site visits to validate "as built" and "as designed" consistency. Dr. Harstead has also performed structural audits at the Waterford 3, Midland 1 & 2 and Comanche Peak nuclear power plants. Extensive field walkdowns were performed at Midland to evaluate structural adequacy.

The U.S. Department of Energy contracted with Dr. Harstead as a consultant for the development of the USDOE Criteria for Seismic Analysis for the NPR program.

As Vice President of Soot & Harstead Associates, Dr. Harstead was responsible for analysis and design of vessels and tanks for Angra (Brazil) nuclear plant; seismic analysis of mechanical equipment for Allens Creek and South Texas Nuclear Plants; field erection of post-tensioned concrete parking garage.

As the Assistant Chief Structural Engineer for Stone & Webster, he managed a group of engineers in the following areas of nuclear power plants (Surry 3,4, and Indian Point 3): Vessels and tanks; pipe stress and pipe supports; pipe rupture analysis; containment analysis and design; Category I structures; seismic evaluation of equipment. Extensive inspections at Indian Point #3 were performed for the New York Power Authority.

His work as the Senior Supervising Civil Engineer for Burns & Roe involved analysis and design of Category I structures and for seismic evaluation of equipment and pipe supports. Projects include TMI #2, Forked River, Laguna Verde, Clinch River, WPPSS #2, Cooper nuclear plants.

At Westinghouse, his responsibilities included the development of criteria and review of design for nuclear projects: Ginna, H.B. Robinson, Indian Point No. 2, and Point Beach.

Summary of Nuclear Projects Experience - Power Companies & Authorities

Indian Point Unit #2: Seismic analysis and development of instructure response spectra for concrete and steel buildings. Analysis of block

G. A. Harstead

walls for additional seismic loads.

Indian Point #3: Analysis of base plates for pipe supports. Design of structural steel bracing system for service water pump enclosure. Evaluation of spent fuel pool for cask drop loads.

Angra (Brazil): Analysis and design of safety related air handling systems.

Kori (Korea): Seismic analysis of air handling units.

Donald C. Cook: Piping analysis and evaluation of pipe supports and seismic analysis of electric control panels.

Salem: Evaluation of the effects of tornado missile impact on auxiliary feedwater tank. Nonlinear time history analysis of the steam generator snubbers and supports for accident loads. Specification preparation for spent fuel storage racks.

Clinton: Design analysis and detailed fabrication and installation drawings of safety equipment for reactor piping (flow diverters).

Oyster Creek: Analysis of the as-built concrete floor slab and supports for a new heat exchanger. Analysis of the spent fuel storage pool for high density racks and thermal effects. Fuel rack drop analysis on concrete plugs above reactor vessel. Structural modification of the radwaste Building, Analysis of horizontal structural bracing system. Analysis of control room panels under missile impact. Evaluation of reinforcement of steel containment penetrations. Design of rigging for the removal and replacement of switchgear. Review of seismic models.

J.A. Fitzpatrick: Analysis of the as-built reactor building mat for additional hydrodynamic loads. Elasto-plastic analysis of the spent fuel pool consolidated fuel loads.

Catawba: Stability - buckling analysis of the steel containment vessel by using BOSOR4 and ANSYS computer programs.

Ranch Seco: Design and finite element analysis of steel buried diesel fuel tanks.

Waterford III: Structural evaluation of the as-built common mat by using finite element analysis.

Alto Lazio (Italy): Analysis and design of a steel flow diverter to be used in the reactor safety system.

G. A. Harstead

Diablo Canyon: Review and assessment of seismic analysis of structures, piping, electrical raceways and HVAC systems and their supports. Field visits were made to verify designs of piping supports and structural supports.

Palisades: Investigation of temperature effects on the reinforced concrete biological shield wall.

Palo Verde: Review of structural design criteria.

Connecticut Yankee: Seismic analysis of Aux Feedwater Pumphouse including soil structure interaction and interaction with Containment.

PROFESSIONAL GROUPS:

American Society of Civil Engineers

Chi Epsilon

American Nuclear Society

American Concrete Institute. ACI 349, Chairman of Subcommittee on Design

American Institute of Steel Constructions

PUBLICATIONS AND REPORTS

Numerous publications on structural and seismic analysis of nuclear power plants.

PAUL R. WILSON

EDUCATION:

B.S. - Civil Engineering - Bradley University, 1980

REGISTRATION:

State of Ohio

PROFESSIONAL HISTORY:

Stevenson & Associates, Cleveland, Ohio, Project Engineer: 1981 - present
Fabco Metals, East Peoria, Illinois, Detailer: 1978-1980

EXPERIENCE:

Since April 1981 Mr. Wilson has served as a Staff, Senior and Project Engineer for Stevenson & Associates. He has over fourteen years experience as a structural-mechanical engineer.

Mr. Wilson has been involved with fragility analyses of structures and components for seismic and other accident loads. For those project involving seismic fragilities, he was involved in the development of seismic floor response spectra including soil-structure interaction effects. Additionally, he has developed seismic floor response spectra for use in the USI-A46 program and seismic IPEEE program. He co-developed a computer program to evaluate the seismic margin capacity of vertical cylindrical liquid storage tanks.

Mr. Wilson has been responsible for a design audit of the analysis of a reactor containment building internal structural steel and seismic capabilities of a variety of mechanical and electrical equipment and distribution systems. He has performed analysis for the seismic qualification of structural steel supports of more than 100 electrical components and piping systems. Mr. Wilson served as project engineer for the reevaluation of the seismic capabilities of some 69 electrical and mechanical components of an operating nuclear power plant for Northeast Utilities Company. He has also performed in-depth comparisons between the structural steel design requirements of the AISC specification and the ASME Codes.

While serving as a consultant for the Midland Nuclear Power Project to Bechtel Power Corporation, Ann Arbor Office, Mr. Wilson helped prepare and review seismic qualification documentation for a large number of components in preparation for an

NRC SQRT audit of the Midland Nuclear Power Project.

Mr. Wilson has been involved in in-situ modal testing and analysis of structures, including structural steel truss type electrical transmission towers and nuclear plant electrical cabinets and racks, and in the recording of ground motion characteristics due to underground blast.

In addition, Mr. Wilson has performed numerous linear and nonlinear computer analyses of components structures, and structural systems. He has also developed computer software to automate analysis of mechanical components for limiting nozzle loads.

Mr. Wilson has provided technical litigation support with respect to structural analysis and design, which included document reviews, and deposition preparation and support.

PROFESSIONAL GROUPS:

Member, American Society of Civil Engineers

Member, American Concrete Institute

Member, National Society of Professional Engineers

PUBLICATIONS:

1. Skreiner, K.M., Stevenson, J.D., Wilson, P.R., "Relay Behavior at the Perry Nuclear Power Plant During the 1986 Earthquake in Leroy, Ohio," EPRI NP-6472, Project 2849-2, September 1989.
2. Stevenson, J.D., Wilson, P.R., "The 1986 Leroy Ohio Earthquake: Performance of Power and Industrial Facilities," EPRI NP-6558, Project 2849-3, November 1989.



100



100



SATYAN-SHARMA, TIRUMANI

352 CORNHILL COURT
WESTERVILLE, OHIO, 43081
Phone: 614-895-2278

Citizenship: United States Citizen

EDUCATION: New York University, New York - M.S. (Struc. Mech) - 1973
University of Mysore, India - B.E. (Struc. Mech) - 1967
Completed Westinghouse Reactor Simulator Training (1 week)

REGISTRATION: Professional Engineer, New York State

EXPERIENCE SUMMARY: September 1978 - Present:

AMERICAN ELECTRIC POWER SERVICE CORPORATION
1 Riverside Plaza, Columbus, Ohio 43215

Principal Engineer - Project Manager
Nuclear Engineering Department (1994 - Present)

Project Manager responsible for all issues related to the reactor vessels of Cook Nuclear Plant Units 1 & 2.

Project Manager for NRC GL 87-02, Seismic Verification of Electrical and Mechanical Equipment in Nuclear Plants, SQUG Project.

Principal Engineer, (Nuclear Safety & Licensing)
Nuclear Operations Division (1978 - 1993)

Responsible for the licensing efforts and providing safety analyses support to operating power plants (Cook Nuclear Plant, Units 1 & 2) in the areas of engineering mechanics, structural mechanics and mechanical engineering. Responsible for responding to the NRC on I.E. Bulletins related to the above fields, preparation of Technical Specification amendments, coordination for licensing interface for the Inservice Inspection Program, responding to the NRC Inspection Reports and participation in the meetings with the NRC to resolve items related to the above fields.

Lead Engineer/Group Supervisor responsible for safety reviews performed in accordance with 10 CFR 50.59 for all design changes and plant modifications; design criteria and specification changes; evaluation of problem reports for reportability evaluation. Cognizant Seismic Engineer for equipment seismic qualification.

Representative for the AEPSC in: Westinghouse Utility Owners Group Material Subcommittee; Corporate Representative for Seismic Qualification Utility Group (SQUG) on USIA-46; Attending Member for Material Property Council (MPC), review technical papers for MPC for publication, Member of EPRI-Post Earthquake Investigation; AEP representative in the W utility group that developed the Leak-Before-Break criterion; Member ASCE/ASME Committee on Nuclear Standards.



Experience (cont'd):

AEPSC representative to the Westinghouse Utility Group that developed the leak-before-break criterion. Lead engineer for the pressurizer surge line monitoring instrumentation and evaluation project. Performed safety evaluation for steam generator replacement. Performed plant decommissioning studies. Act as AEPSA cognizant engineer on seismic qualification of electrical and mechanical components. I am also responsible for contract administration and technical coordination with consulting companies. AEPSA representative to the WOG-Material Subcommittee.

1978 to 1979: Responsible for safety and licensing activities of proposed changes to the plant as per 10CFR50.59, preparing licensing amendments, and coordinating efforts on responses to NRC Bulletins, Generic Letters, etc.

1975 to 1978: Stone & Webster Engineering Corporation, 1 Penn Plaza, New York, New York. Staff Engineer - Engineering Mechanics.

My responsibilities, associated with the Green County Nuclear Power Plant, included: Engineering and specification of an ASME Class 1 (plate and shell type) structural support for the reactor vessel, which included preliminary and final designs; finite element stress analysis and stress reports as per ASME Section III - NR; and supervision of Engineering and Design. I also designed the housing for excore nuclear instrumentation.

Coordinated with the NSSS vendor (Babcock & Wilcox) in performing the NSSS primary loop analysis for pipe rupture/break forces, determining the effect of rupture loads on the reactor vessel, and developing preliminary designs for guard pipes for coolant loop elbows. Also coordinated with the NSSS vendor concerning the installation of major nuclear components with respect to refueling procedures.

Responsible for Class I equipment seismic qualifications conducted in accordance with IEEE-344. This means that I provided seismic/ASME stress criteria input for all of the Stone & Webster specifications, aided in the bid evaluation and contract award and was involved in final vendor document review in the areas of stress reports and seismic qualifications. The Class I equipment involved included major equipment such as the diesel generator, polar crane and main steam safety valves, etc. I was also involved in writing the PSAR and other licensing activities.

I had concurrent similar responsibilities on two other nuclear projects, the Surry Nuclear Station for the Virginia Power and Light Co., and Santillan Nuclear Station for Electra-De-Viesgo (Spain).

Experience (cont'd):

12/73 to 1/75: Bechtel Power Corporation, Ann Arbor, Michigan.
Structural Mechanics Engineer.

Responsible for engineering, finite element analysis and design of the pre-stressed concrete containment building for a 1380 MWe PWR nuclear station for the Consumer Power Co. Responsibilities included coordination with the Construction Department and pre-stress vendors. I was also responsible for preliminary studies/criteria and final design for a coal power plant for the Texas Light and Power Company.

2/72 to 12/73: Burns & Roe, Inc., Oradell, New Jersey. Structural Engineer.

Responsible for engineering and design of the diesel generator building, containment mat and biological shield analysis by using the finite element program for a BWR nuclear plant for WPPSS. Responsible for engineering and design of all the NSSS component supports and pipe restraints and engineering analysis coordination with the NSSS vendor and related interface on a PWR plant for the Jersey Central Power and Light Company. This involved extensive finite element analysis of the heavy section steel components.

6/69 to 2/72: E. Lionel Pavlo Engineering Company, New York, New York. Structural Engineer (Long Span Bridge Division).

Engineering, design and supervisory responsibilities associated with drafting plans for the 1688-foot span cantilever truss bridge (longest in USA) (Chester Bridgeport Bridge across Delaware River). Extensive finite element stress analysis, and designs for pile foundations, piers and cofferdams in conformance to AISC and AASHO codes. Coordinated efforts in fabricating the main truss with Bethlehem Steel Company and the construction groups.

9/67 to 9/68: Government of Mysore, India. Junior Engineer.

Designed a multi-story reinforced concrete building and several bridges for a national highway project. In addition, designed and supervised construction of an elevated reinforced concrete water tank and an industrial building.

Language

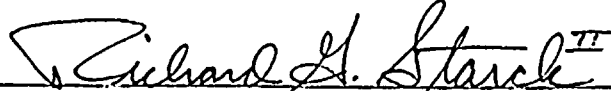
Capabilities:

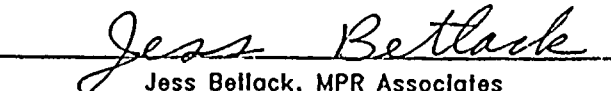
English
Kannada, Hindi (Indian languages)

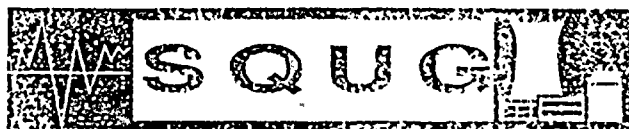


Systems and Relay Evaluation Training Course

This is to Certify that T. R. Satyan-Sharma has
Attended the SQUG Systems and Relay Evaluation
Training Course held on November 14-16, 1989. This includes
Attendance in the Systems and Relay Workshop(s).
Systems and/or Relay


Richard G. Starck, II, MPR Associates
Systems Instructor


Jess Bellack, MPR Associates
Relay Instructor

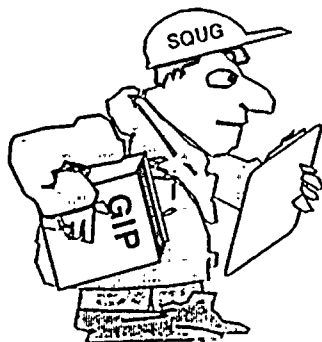


Certificate of Achievement

This is to Certify that

T. R. Satyan-Sharma

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held June 22-26, 1992



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

Bertil A. Svensson

EXPERIENCE

I have been continuously employed by an American Electric Power Company subsidiary company since September 15, 1955 in various positions as follows:

July, 1986 to December 31, 1993
Executive Staff Assistant
Indiana Michigan Power Company
Donald C. Cook Nuclear Plant
One Cook Place, Bridgman, Michigan 49106

Responsible to the Plant Manager for organizing and coordinating licensing activities at the plant level and for assuring earliest and continuous plant involvement in licensing and other regulatory processes.

Representing the Plant on the 'Seismic Qualification Utility Group' and the Company Task Force formed to implement the NRC Generic Letter 87-02, "Verification of Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue, USI A-46".

Representing the Plant Donald C. Cook Nuclear Plant Design Basis Documentation Reconstitution Project.

Serving as the alternate primary representative to the Westinghouse Owners Group and as the Company/Plant representative to the WOG Operations Subcommittee.

July, 1977 to July, 1986
Assistant Plant Manager - Operations
Cook Nuclear Plant

Responsible to the Plant Manager for the direction of the Operations Department activities to assure safe, efficient and reliable operation of the Plant. Coordinating operations and maintenance activities with the plant departments.

Performed the duties of the Plant Manager in his absence.

Served as a member and the Secretary of the Plant Nuclear Safety Review Committee and the Chairman of the PNSRC Subcommittee on Operations.

Bertil A. Svensson
Page 2

September, 1969 to July, 1977
Operations Supervisor
Cook Nuclear Plant

Planning and Staffing the Cook Nuclear Plant Operations department.

Cold-License reactor operator training conducted by Westinghouse during the year 1970, which included obtaining a Reactor Operator Certificate on the Saxton Nuclear Reactor Plant.

Participated in the planning and execution of the pre-operational and start-up testing programs.

Responsible for all operations department pre-operation and startup test procedures and as a PNSRC member for reviewing all pre-operational and startup test procedures for the plant.

Responsible for the development of all operations department normal, abnormal, emergency, surveillance testing and annunciator response procedures.

Responsible to the Plant Manager for the safe and efficient execution of all Operations department activities associated with the operation of the two 1100 MW Cook Nuclear Plant units.

Responsible for compliance with the plants's technical specifications governing the operation of the nuclear plant.

Obtained a Cold Senior Reactor Operators License in 1974 and maintained the license until August, 1987.

July, 1968 to September, 1969
Engineer
American Electric Power Service Corporation
New York, NY

Transferred to AEP Service Corporation, New York offices to (1) complete the Muskingum River Plant, Unit 5 startup report and operating procedures and (2) to work with the Cook Nuclear Plant, Plant Manager on system design reviews and to assist in the planning of the Cook Nuclear Plant organization including visits to other nuclear plants.

Bertil A. Svensson
Page 3

July, 1965 to July, 1968
Startup Engineer
American Electric Power Service Corporation
Canton, OH

I was officially transferred from the Kammer Plant to AEP Service Corporation, Mechanical Engineering Division, in Canton, OH as a startup engineer, July, 1965. I was working in this capacity on loan from the Kammer Plant since January, 1965. My duties in this position over the three year period involved the following:

January, 1965 to July, 1965 - worked as one of four on-shift startup engineers on the Tanners Creek Plant, Unit 4. A 500 MW unit with a coal fired supercritical boiler. My duties involved systems checkout, coordinating resolutions of checklist items, pre-operational and startup testing, planning and coordinating startup activities and the preparation of startup reports and operating procedures.

July, 1965 to December, 1967 - Cardinal Plant Simulator commissioning and startup of Units 1 and 2. My responsibilities involved the following activities:

- Final checkout and testing of the Cardinal Plant Control Room Simulator. (This was the first complete control room simulator in the country).
- Lead instructor on the simulator for the operating crews for the two Cardinal Units and the Muskingum River Plant, Unit 5 operators.
- Lead Startup Engineer for Cardinal Plant Unit 2. The Cardinal Plant units are both 600 MW units with coal fired supercritical boilers.
- December, 1967 to July, 1968 - Lead Startup Engineer for the Muskingum River Plant, Unit 5 a 600 MW coal fired supercritical boiler.

June, 1958 to July, 1965
Engineer
Ohio Power Company, Kammer Plant
Moundsville, WV

Transferred to the Kammer Plant. During my seven years at the Kammer Plant I held the following positions:



88
88



88
88
88



June, 1958 to September, 1959 - Test Engineer. My responsibilities as a test engineer involved performance testing and monitoring of the boilers, turbines and auxiliary systems for the three 225 MW conventional boiler units.

September, 1959 to December, 1960 - Assistant Results Engineer. Responsible for the maintenance, calibration and tuning of the instrumentation and control systems for the three Kammer units.

December, 1960 to July, 1965 - Results Engineer. Responsible to the Operations Supervisor for supervising and directing the Instrument and Controls Section and the Plant Performance Section for the three Kammer Plant units.

September, 1955 to June, 1958
Engineer, Piping Section
American Electric Power Service Corporation
New York, NY

My responsibilities as an engineer in the Piping Section involved flow diagram reviews, piping system designs, piping sizing and pressure drop calculations and working with piping and hanger manufacturers including field trips to manufacturers and our plants under construction to check on piping fabrication and installation.

November, 1953 to September, 1955
Exchange Student - Engineer
Knutsen's Shipbuilding Corporation
Halsite, NY

My employment with Knutsen's Shipbuilding Corporation was as an exchange student - engineer. I was sponsored by the American Scandinavian Foundation for the purpose of gaining practical experience in American industry. My primary duties involved working with mechanical and fluid systems design and installation on small navy landing crafts and rescue boats.

EDUCATION

Graduated with a degree in Mechanical Engineering (3 year program) in 1952 from "Norrköpings Tekniska Gymnasium" (Norrköping's Technical College), Norrköping, Sweden



Systems and Relay Evaluation Training Course

This is to Certify that Bert Svensson has
Attended the SQUG Systems and Relay Evaluation
Training Course held on September 26-28, 1989. This includes
Attendance in the Systems and Relay Workshop(s).
Systems and/or Relay

Richard G. Starck II
Richard G. Starck, II, MPR Associates
Systems Instructor

Jess Bellack
Jess Bellack, MPR Associates
Relay Instructor

GORDON P. ARENT
2588 RACHER DRIVE
POWELL, OHIO 43065
(614)798-8430
(614)223-2048

WORK EXPERIENCE

January 1993 to Present

Project Coordinator, NSL&F (Licensing) previously NSL&A (Assessment) : Duties include: an independent assessment of shutdown risk issues and schedules related to plant outages, licensing related issues, ownership of environmental issues and Technical Specifications. Additional duties include the performance of self-assessments of all facets of D. C. Cook Nuclear Plant Operation including outages. The assessments provided a critical review of the Plant in comparison to NRC and INPO standards and expectations.

July 1992 to January 1993

Licensing Coordinator, Safety and Assessment Department, D. C. Cook Nuclear Plant. Responsibilities included: determination of prompt reportability for operational events, review and determination of issues related to licensing in support of plant operations and coordination of the Licensee Event Report System. Other duties included: alternate PNSRC Secretary, NRC liaison (with resident inspectors) and special projects (including the Design Basis Reconstitution Project and SQUG).

September 1991 to July 1992

Operations Department Procedure Supervisor. Formally established the Operations Department Procedure Section, including development of position descriptions, writers guides, administrative guidelines for the section and a strategic plan for procedure upgrade. Responsibilities included: management and administrative duties associated with the section, formal development of the section including the Five Year Strategic Plan and implementation of the Operations Department Modification Analysis Program. Collateral duties included: Acting Operations Training Specialist, department interviewer for prospective operators and special project assignments (e.g., WOG, SQUG, IPE/PRA, and Reduced Inventory Programs).

December 1986 to September 1991

Operations Department Training Specialist. Responsible for the development and implementation of on-the-job training for all Operations Department on-shift personnel. Additional responsibilities included: the review of all training materials presented to the operators for both the classroom and simulator settings, evaluation of simulator performance and training and acting as the liaison between the Operations Superintendent and the Operations Training Supervisor on issues pertaining to operator training. Collateral duties included: Acting Procedure Supervisor (beginning January 1990) and special projects (e.g. simulator task force, site liaison-Appendix R).

August 1985 to December 1986

Operations Department Administrative Compliance Coordinator. Duties included investigation and reporting of operational events related to the Operations Department, development of administrative procedure and policies and responding to issues identified by internal and external regulatory groups (e.g., INPO, NRC, ANI and Quality Assurance).

WORK EXPERIENCE (cont)

September 1979 to August 1985

Plant Operator. Started at the plant as a utility operator and held on-shift positions up to and including reactor operator. Performed activities which included: plant tours, surveillance, system tagouts and alignments. Once licensed, performed all licensed operator activities including duties as a Unit Supervisor (stepped up following achievement of senior operators license). Additionally, acted as Field Coordinator for the Unit One 10 year ISI Hydrostatic Testing Program in 1985.

SPECIAL ACTIVITIES/TRAINING

Organizational Development Activities:

- Developed Control Room Response Organization in support of the Emergency Plan
- Developed and Implemented Operations Department Procedure Organization
- Initiated and Sponsored the development of the five (5) year strategic plan for procedures
- Initiated and Sponsored the development of the Modification Analysis Program (MAP)

Special Activities:

Westinghouse Owners Group Operations Subcommittee Primary Representative
IPE/PRA Independent Review Team - Plant Representative
DBD Reconstitution Project - Project Engineer - Action Items
SQUG Task Force Member
Simulator Task Force Member
Plant Liaison for Appendix R Audit
INPO Peer Evaluator-Seqouyah Station 1987
RHR/Reduced Inventory Task Force (GL 87-12, 88-17)
Chairman, Operations Department "Code of Excellence" Committee
Secretary, EOP Engineering Support Group (EOPCOPS)

Training:

Licensed Reactor Operator and Senior Reactor Operator at D. C. Cook Nuclear Plant
Seismic Qualification Utility Group(SQUG): Determination of Safe Shutdown Equipment and Relays
General Physics-General Motors Project Management Training
Root Cause Analysis Training
Basics of Supervision
Supervisory Job Interview Training
Supervisory Employee Assistance Program Training
Supervisory Fitness for Duty Training
Equal Employment Opportunity/Affirmative Action Training
INPO Sponsored Team Building Training

EDUCATION

Bachelors of Arts, Business Administration and Bachelors of Applied Science (Nuclear Technology), Siena Heights College, April 1995

Senior Reactor Operators License, 1986

Associate Degree Applied Science, Lake Michigan College, May 1987

Diploma, St. Joseph High School, St. Joseph, Michigan, June 1975



Certificate of Achievement

This is to Certify that

Gordon Arent

has Completed the

**SQUG Equipment Selection and
Relay Evaluation Training Course**

Held March 18-20, 1991

Paul W. Hayes, MPR Associates

Richard G. Starck II, MPR Associates

Jess Betlack, MPR Associates



Certificate of Achievement

This is to Certify that

Gordon Arent

has Completed the

SQUG Relay Evaluation Training Course

held March 18, 1991


Jess Betlack, MPR Associates

HAROLD W. YOUNG, III

Senior Mechanical Engineer

Personal:

6988 Ernest Way, Dublin, OH 43017. (615) 761-8144.
Born January 15, 1952. Married, two children. Height: 5'-11",
Weight: 175 lbs.

Education:

Stevens Institute of Technology, Hoboken, NJ. BSME, 1974.

Professional Licenses:

Professional Engineer; New Jersey - GE27280;
Ohio - E-050097.

Professional Societies:

Member ASME, ASHRAE.

Experience:

American Electric Power Service Corporation, 1 Riverside Plaza, Columbus, OH
43215. (614) 223-2000. 1984 - Present.

Currently Cognizant HVAC Engineer for the Cook Nuclear Plant. Responsible for HVAC engineering of this 2,200 megawatt facility. Prior to holding this position, served as a Senior Engineer in the Mechanical Engineering Division. Responsibilities include design, specification writing, construction support and operations support. Total design responsibility for HVAC systems, dust collection systems, chilled water systems, steam piping systems, lab vent systems and HEPA filtration systems. Major projects for which I was lead HVAC engineer include:

- o Cook Training/Simulator Facility - A 100,000 sq. ft. facility including office space, classrooms, labs, a video studio, welding and machine shop areas and a \$40,000,000 simulator facility with associated computer room.
- o A 28,000 sq. ft. office building with an instrument calibration lab.
- o A 12,000 sq. ft. office building and locker room facility.
- o Service buildings for the Cook steam generator replacement project.
- o Tidd PFBC Demonstration Plant - All HVAC design and procurement for a DOE funded experimental coal fired power plant, including five large dust collection systems, miscellaneous HVAC and ventilation systems. Work includes innovative adaption of forty year old existing ventilation systems.

- o Zimmer Conversion Project - Developed all HVAC design changes for converting existing HVAC systems from nuclear plant requirements to coal plant requirements.

Burns & Roe, Inc., 550 Kinderkamack Road, Oradell, NJ 07646. (201) 265-2000. 1974-1984.

Worked as a Senior Building Services Engineer, providing power plant HVAC design, utility retrofit services and designing auxiliary facilities. Designed HVAC systems, ventilation systems, piping systems, fire protection systems and HEPA filtration systems. Was involved with writing technical proposals, developing budgets and schedules, developing specifications, documents and drawings, overall project coordination and field support. Had two years of field construction experience. Major projects included:

- o General Public Utilities, Oyster Creek and Three Mile Island, 1980-1984. Responsible for new, retrofit and replacement HVAC and fire protection systems.
- o TVA - Sequoyah Radwaste Facility, 1982-1984. Responsible for design of all HVAC and fire protection.
- o Nebraska Public Power District - Cooper Station, 1981-1982. Responsible for design of fire protection supply system including pump house, yard piping, fire pumps and storage tanks. Served as project coordinator.
- o Three Mile Island Recovery Effort, 1979.
- o Forked River Station, 1978. Developed HVAC and piping systems.
- o Three Mile Island, 1974-1977. Was Field Engineer for HVAC and fire protection for two years. Worked in home office prior to that assignment.

Additional Courses:

Management of Human Resources (Fairleigh Dickinson University) - 1978.
Practical Fossil Power Plant Technology (Burns and Roe) - 1979.
CADD Terminal Training (Intergraph) - 1982.
Principles of Supervision (AEPSC) - 1988.

Computer Courses:

DOS, Enable Spreadsheet, Enable Database - 1989.
OS2, Office Vision, Intermediate Lotus 123 - 1990.



Certificate of Achievement

This is to Certify that

Harry Young

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held August 2-6, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

PERSONAL PARTICULARS

NAME: Jiten V. Ruparel

ADDRESS: 4433 Castleton Road West, Columbus, Ohio, 43220

PHONE: Home: 614-457-7710
Office: 614-223-2544

FAX: Home: 614-459-4321

DUAL CITIZENSHIP: United States and Canada

MARITAL STATUS: Married, two daughters 23 and 19

SOCAL SECURITY #: 282-78-9291

EDUCATION: 1962: BAsc.: Electrical Engineering, London, U.K.
1977: MAsc.: Management Science, Waterloo, Canada

LANGUAGES: English, Hindi, some French, some German.

TEACHING: Mathematics: Sheridan College, Ontario, Canada: 1977, 78
Electrical Engineering, Franklin University,
Columbus, Ohio, 1991, 92

AFFILIATIONS: Professional Engineer, Ontario, Canada
President, Columbus Section, ISA, 1995-96
Vice-President, Society of Professional Engineers of Atomic
Energy of Canada, 1977
President, Knolls Arlington Community Association, 1990
Graduate, Upper Arlington Leadership Program, 1991

Work Experience

American Electric Power Service Corporation

- Present Project Manager, Design Basis, Nuclear Engineering. Collateral duties: Member: Life Cycle Assurance Task Force. Member: Nuclear Design Oversight Committee: 10CFR50.59 Reviews of all design changes and procedures.
- 1988-1991 Group Leader, Design Changes- Supervision of I&C Design Changes for the Cook Nuclear Plant. Collateral duties: Representative for Nuclear Engineering on the Design Change Co- ordination Group, Member: SQUG Task Force, Member: EDSFI Response Team.
- 1983-1987 Lead Electrical Engineer: Responsibility for engineering of design changes for the two unit, 1100MWe Westinghouse PWR Cook Nuclear Plant. Collateral duty: Member: Assessment Team, INPO and industry Operating Experience implementation.

Ohio State University

- 1982 Associate Director: Nuclear Services and Training Laboratory. Co-taught Nuclear Safety at the graduate level, developed training material for Shift Technical Advisors and Senior Reactor Operators for the Perry, Davis-Besse and the late Zimmer nuclear power plants.

1968-1971

Engineer, Fuel Handling Controls

Worked on the design of the controls and instrumentation of the CANDU on-power fuelling machine: logic circuits, electro-hydraulic servo- controls and on-line direct digital control using a blue collar IBM 1800 computer.

The English Electric Co. Limited

1964-1967

Technical Representative: Responsibility for company's business in Nepal. Working through a local agent, handled the sales, contracts, technical liaison of turnkey diesel stations, 11 kV circuit breakers, transformers, small motors etc.

1962-1964

Graduate Engineering Training Program

The first year was spent in following a control rod system through design, drafting, production, test, site installation and checkout. The second year was spent as an assistant startup engineer at Hinkley Point A nuclear generating station.





Systems and Relay Evaluation Training Course

This is to Certify that Jiten V. Ruparel has
Attended the SQUG Systems and Relay Evaluation
Training Course held on September 26-28, 1989. This includes
Attendance in the Systems and Relay Workshop(s).
Systems and/or Relay

Richard G. Starck II

Richard G. Starck, II, MPR Associates
Systems Instructor

Jess Bellack

Jess Bellack, MPR Associates
Relay Instructor



JUAN M. NIETO
1056 Autumn Woods Drive
Westerville, OH 43081
(614) 891-5978 (Home)
(614) 223-2053 (Work)

EDUCATION

University of Michigan, Ph.D. Nuclear Engineering, 1969

University of Michigan, M.S. Nuclear Engineering, 1963

University of Madrid, M.S. Mining Engineering, 1961

University of Madrid, B.S. Mining Engineering, 1960

WORK EXPERIENCE

1986 to Present

Senior Engineer/Engineer, Nuclear Operations, American Electric Power Service Corporation. Duties: Training Coordinator responsible for the implementation of training requirements in NS&L AP-10, and NSL&A AP-10. Trained NS&L/NSL&A staff on Emergency Operating Procedures, UFSAR Chapter 14.0 Safety Analysis, and various Technical Specifications and Systems Descriptions. Assist the manager of the Nuclear Safety Section with the annual training and testing of the NSL&A technical staff on NOD QP-7, Safety Reviews, and 10 CFR 50.59, Changes, Tests and Experiments. Generated and updated a pool of near one hundred questions on NOD QP-7 and 10 CFR 50.59 for the annual test. Serves as Training Coordinator for the NSDRC Subcommittee on Emergency and Security Plans, and have trained that Subcommittee on Emergency Operations Procedures (EOPs), and interface between the EOPs, and the UFSAR Chapter 14.0, the Technical Specifications, and the Emergency Plan. Assist the AEPSC Training Coordinator in his efforts to establish a training program for the Corporation. Have been trained on Root Cause Analysis, PRONET (program to search the UFSAR, the Technical Specifications, and other documents), core design, basis for D. C. Cook Emergency Operating Procedures, and other subjects.

Serve in the NSDRC Subcommittee on Corporate and Plant Occurrences conducting reviews of assigned documents. Serve in the NSDRC subcommittee on Emergency and Security Plans, conducting reviews of assigned documents, and acting as Training Coordinator for the Subcommittee.



Serve as leader of the Emergency Operating Procedures Multidisciplinary Task Force, and as interface between Cook Nuclear Plant and AEPSC on EOP related issues. Was the lead engineer on the update of the EOPs as a result of reducing the boron concentration in the Boron Injection Tanks to 0 PPM.

Served as Independent Safety Reviewer for the Nuclear Safety and Licensing Section (NSL&A). Serve as alternate Independent Safety Reviewer for NSL&A. Qualified Safety Reviewer in NSL&A. Have performed safety reviews of numerous RFC's, MM's, PM's, Specifications, Generic Procedures, and other miscellaneous items, under 10 CFR 50.59. Have performed Reportability Reviews of numerous Problem Reports/Condition Reports under 10 CFR 21, 10 CFR 50.72 and 10 CFR 50.73. Have provided input for the preparation of several Licensee Event Reports.

Serve as a member of the AEPSC SQUG Task Force since its inception. Main author of the SQUG Report to be submitted to the NRC as part of our response to Generic Letter 87-02. Have trained the members of the SQUG Task Force on Safe Shutdown paths and other aspects of the Generic Implementation Procedure (GIP). Recording Secretary of the AEPSC SQUG Task Force. Have participated in the initial seismic walkdown of Cook Nuclear Plant (Units 1 and 2). Have been trained by SQUG on the determination of the Safe Shutdown Paths for each Safe Shutdown Function as defined in the GIP.

Have coordinated numerous responses (non-submittals), to NRC's information notices. Was the lead engineer for the submittal on Cook Nuclear Plant Unit 2, Cycles 8 and 9. Made a successful presentation to the NRC to request changes in Chapter 14.0 of the UFSAR to reflect the safety analysis in Chapter 14.0 of the original FSAR. Was the lead engineer for the submittal in response to GL 90-06. Was the lead engineer for the submittal on proposed changes to the Technical Specifications as a result of the new spent fuel criticality analysis for Unit 2, Cycle 9. Was the author of the Restart Report for Unit 2, Cycle 8. Prepared a submittal to the NRC on status of our commitments regarding increased pressurizer PORV reliability in response to GL 90-06.

Has provided technical assistance on a variety of subjects, such as: a) Impact of potentially deficient card in AMSAC; b) Potential problems in the OT Δ T and OP Δ T instrumentation; c) RVLIS not environmentally qualified; d) Inadequate emergency lighting; e) Separation between safety related and non-safety related portions of the Reactor Protection System; f) Potential for inadequate core cooling during transfer to hot-leg recirculation during a LOCA, and others.

1973-1986

Nuclear Consultant, NUS Corporation. Duties: Performed activities associated with accident analysis, licensing and safety, high level waste disposal, and liquid metal fast breeder reactors.

1969-1973

Nuclear Engineer, NUCLENOR (Spain), Involved in pre-operational and start-up testing; prepared final safety analysis report; worked in fuel management.



Certificate of Achievement

This is to Certify that

Juan M. Nieto

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course

Held May 3-7, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

Randall C. Steele

Professional Experience

6/87 to Present American Electric Power
 Columbus, Ohio

3/94 to Present USI A-46 Lead Relay Reviewer,
 Instrumentation and Controls Design
 Section, Nuclear Engineering Department.
 Responsible for USI A-46 Relay Evaluation
 for Donald C. Cook Nuclear Plant.

5/91 to 3/94 Low Voltage A.C. Distribution System
 Engineer, Nuclear Engineering Department.
 Responsible for 120 Volt A.C. Vital Bus
 System. Prepared for and participated in
 the Nuclear Regulatory Commission's
 Electrical Distribution System Functional
 Inspection at the Donald C. Cook Nuclear
 Plant.

6/90 to 5/91 Electrical Verification Engineer, Wm. H.
 Zimmer Generating Station, Moscow, Ohio.
 Responsible for onsite electrical control
 circuit design review, field design
 modifications, and equipment check-out
 and start-up during the construction of
 the plant.

11/89 to 6/90 Electrical Engineer, Fossil Plant
 Engineering Department. Responsible for
 various design modifications on fossil
 plant auxiliary power and control systems
 throughout the AEP system.

6/87 to 11/89 Electrical Engineer, Nuclear Engineering
 Department. Responsible for Environmental
 Qualification of Electrical Equipment and
 various design modifications involving
 the auxiliary power and control systems
 at Cook Nuclear Plant.

Education

B.S.E.E., University of Illinois at Urbana/Champaign, May 1987.

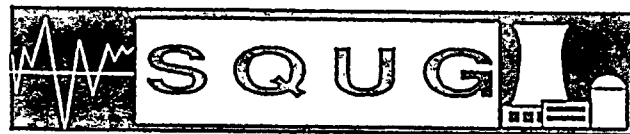
E.I.T.- Engineer in Training, State of Illinois.

SQUG Training

SQUG Equipment Selection Training Course, November 17-19, 1992

SQUG Relay Evaluation Training Course, November 17-19, 1992

SQUG Walkdown Screening and Seismic Evaluation Training Course,
February 1-5, 1993



Certificate of Achievement

This is to Certify that

R. C. Steele

has Completed the
SQUGL Relay Evaluation Training Course
Held November 17-19, 1992

Jess O. Bellack
Jess O. Bellack, MPR Associates




Certificate of Achievement


This is to Certify that

Randy Steele

has Completed the
SQUG Equipment Selection Training Course
Held November 17-19, 1992



Paul W. Hayes, MPR Associates



Richard G. Starck II, MPR Associates



Certificate of Achievement

This is to Certify that

Randall C. Steele

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held February 1-5, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

RICHARD P. LEONARD, P.E.
9296 Gast Road
Bridgman, Mi 49106
(616) 465-5329

Engineer with more than 20 years of experience in various facets of nuclear power plant operation. Areas of strength include Instrumentation & Control, general power plant operation, ability to integrate and benefit from a broad experience base to resolve problems and accomplish goals, and a willingness to pursue new opportunities and challenges. Able to work well with diverse groups and individuals.

SIGNIFICANT EXPERIENCE

7/90 to Present: Senior System Engineer at Donald C. Cook Nuclear Plant responsible for the Chemical and Volume Control System (CVCS). Duties include coordination of large or complicated maintenance activities, tracking and trending of system operation, review and initiate design changes, recommend maintenance priorities, provide information and assistance to other departments, and provide a monthly report to plant and corporate management. A recent significant accomplishment was the direction and management of a major effort to clean and refurbish the Boric Acid Storage Tank room. This project included several design changes, the coordination of work by different departments, and development of innovative approaches to minimize future contamination.

7/85 to 7/90: Associate Engineer in the Nuclear Fuel and Analysis section of American Electric Power Service Corporation. Primary duties consisted of assessing safety analyses and operational problems in consideration of instruments and instrument uncertainties. Involved in providing inputs to and reviewing safety analyses provided by fuel vendor. Responsible for developing the RTD Cross-Calibration procedure in coordination with Westinghouse and the Cook Nuclear Plant I&C section. Assisted in developing and implementing the Reduced Temperature and Pressure program to minimize steam generator tube degradation in Unit 1. Dealt directly with fuel vendors and NRC personnel.

1975 to 1983: Salem and Hope Creek Nuclear Power Plants--I&C Technician and Training Instructor. As I&C Technician was responsible for calibration and maintenance of usual Westinghouse PWR instrumentation. Notable achievements included initial checkout and placing into service of the SSPS, Rod Control System, NIS, and much of the Reactor Protection System. Designed and implemented a change to the SSPS which provided protection to the Source Range detectors. Developed training/qualification programs for I&C technicians and trained I&C technicians prior to Training Department developing training programs.

1969 to 1975: US Navy--Electrical Operator and Engineering Watch Supervisor on submarine. As Leading First Class Petty Officer, was responsible for conduct and scheduling of Electrical Section and approximately 10 subordinates.

EDUCATION: BSME, University of Delaware, 1985, with a concentration in power generation.

PROFESSIONAL: Member of American Society of Mechanical Engineers
Licensed Professional Engineer
Ohio: License # E53312
Michigan: License # 38856



Certificate of Achievement

This is to Certify that

Richard P. Leonard

has Completed the
**SQUG Equipment Selection and
Relay Evaluation Training Course**
Held November 17-19, 1992

Paul W. Hayes, MPR Associates

Richard G. Starck II, MPR Associates

Jess Betlack, MPR Associates



Certificate of Achievement

This is to Certify that

Richard B. Leonard

has Completed the

SQUG Relay Evaluation Training Course

held November 17, 1992


Jess Betlack, MPR Associates



Certificate of Achievement

This is to Certify that

Richard P. Leonard

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held May 3-7, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

KAILASH C. MAHAJAN
1925 Laramie Drive
Powell, Ohio 43065
Tel: (614) 791-0304

Objective To work as an Electrical, Instrumentation and Controls Engineer

Education

1972 B.S. Electrical Engineering from the University of Indore, India
1978 M.S. Electrical Engineering from M.S. the University of Baroda, India

Accreditation

Registered Professional Engineer in the states of OH, MI & PA.

Professional Experience

7/85 to 12/94

American Electric Power, Service Corporation, Columbus, OH
Electrical and I&C Engineer for Cook Nuclear Plant (on contract).

Prepared design change packages including 10 CFR 50.59 safety evaluations, Appendix-R (Fire Protection), environmental/seismic qualification, engineering calculations, specifications and cost estimate. Reviewed and re-designed one-line diagrams. Investigated existing Post Accident Monitoring System Compliances with and prepared modification scope based on NRC Reg. Guide 1.97. Worked on the resolution of USI A-46 (GL 87-02) safe seismic shutdown of existing plants.

7/84 to 7/85

Maine Yankee & Clinton Nuclear Stations
Plant Electrical Engineer - Consultant

Involved in various assignments including to ensure a comprehensive approach to human engineering deficiency corrections per NUREG-700, equipment qualifications per IE Bulletin 79-01B, QA audit and surveillance, etc.

9/79 to 7/84

Bechtel Power Corporation
Control Systems Engineer & Resident Engineer

Reviewed and approved project design drawings. Resolved field problems and non-conforming reports. Prepared ladder diagrams for solid radwaste logic. Performed engineering calculations and prepared specifications for transmission systems.

1/75 to 7/78

Madhya Pradesh State Electricity Board, Karba, India
Electrical Engineer

Prepared design calculations and specifications for sub-stations. Involved in operation and maintenance of Thermal Power Plants.

NAME & ADDRESS: PAUL R. KRUGH
2075 Belltree Drive
Reynoldsburg, OH 43068

COMPANY POSITION: Engineer (Civil), Senior

COMPANY: American Electric Power (AEP)
1 Riverside Plaza
Columbus, OH 43215

KEY QUALIFICATIONS: Civil & structural; seismic and structural dynamics.

EDUCATION: B.S., Civil Engineering, Tri-State University, Angola,
IN, 1962.

EXPERIENCE:

1983-1995 - NUCLEAR SEISMIC

AEP (Columbus, OH); Civil/Seismic Engineer:

- Served as an in-house consultant to the AEP Nuclear Organization (AEPNO) concerning ongoing seismic design, evaluation and qualification of equipment and structures at Cook Nuclear Plant.
- Participated as a Seismic Capability Engineer [certified by the Seismic Qualification Utility Group (SQUG)] in the implementation of USNRC USI A-46 (GL 87-02) at Cook Nuclear Plant.
- Performed in-situ modal testing of cabinets, panels, racks, etc. at Cook Nuclear Plant.
- Performed preliminary studies related to future renewal of seismic sensors and instrumentation at Cook Nuclear Plant.
- Maintained liaison with other seismic consultants and seismic test laboratories.

1964-1983 - ELECTRIC POWER TRANSMISSION LINES

AEP (New York City & Columbus, OH); Civil/Transmission Line Engineer; Senior:

- Served as lead engineer/consultant for 138Kv, 345kv and 765Kv transmission line projects and affairs of Appalachian Power and Kentucky Power combined and later Indiana-Michigan Power.

- Served as chairman of various task forces and committees, e.g., the AEP transmission line design criteria including loadings and electrical clearances; AEP T&D line and station conductor normal and emergency ampacity ratings; AEP right-of-way vegetation control, etc..
- Served as expert in the structural analysis and design of 34.5Kv through 138Kv wood-pole transmission line structures and the formulation of related hardware and material standards. Also expert in transmission line conductor vibration control (aeolian, wake-induced oscillation, ice-galloping).
- Served as a project and/or test engineer on a large number of test projects, e.g., ice dumping and unloading of 765Kv multi-conductor bundle, maintaining electrical clearances of 765Kv jumper loops through deadend tower windows, pile and foundation load tests, insulator hardware assembly proof load tests, conductor and static wire hardware proof load tests, guy cable and anchor rod hardware proof load tests, dynamic tests of hardware, etc.; in some cases as part of the project, also designed the test equipment and rigging, e.g., for testing piling, hardware, etc..
- Heavily involved in the development, design and construction of the AEP 2000-mile 765Kv transmission line system (highest operating AC voltage transmission line system in the world) from its inception to near end of construction.
- Contributed to implementing ongoing research, development, design, testing, etc. of 138Kv, 345Kv and 765Kv transmission line structures, foundations, anchorage and hardware.
- Contributed to implementing special and unique research, conceptual development and cost studies for future 1000Kv+ (ultra high-voltage) transmission lines including joint research, testing and studies between AEP and Hydro Quebec. Testing involved verification of multi-conductor bundle wake-induced oscillation control (full-scale testing) and dynamic model verification load tests on structural configurations of new conceptual type structures.
- Served as on-site field engineer assisting AEP operating companies during major emergencies, e.g., the 1974 tornadoes with many towers and lines down.

1962-1964 - ELECTRIC POWER TRANSMISSION LINES

AEP - Ohio Power (Canton, OH); Civil/Transmission Line Engineer:

- Served in Canton general office as engineer laying out, designing and upgrading electric power subtransmission and transmission lines throughout Ohio.

- Prepared construction specifications and drawings for field crews and contractors to follow.

PRIOR to 1962 - SURVEYING AND CONSTRUCTION

Gwin Consulting Engineers (Altoona, PA) and various private engineers and surveyors including father; Surveyor:

- Participated part time as survey party member in a substantial amount of land, municipal and highway surveying including being a chainman, rodman and transit and level operator over a period of about 10 years.

Reese Construction Company (Pittsburgh, PA); Laborer and Equipment Operator:

- Involved part-time as a laborer, truck driver, welder's assistant, etc. in project of laying 15 miles of 10-inch diameter medium-pressure natural gas pipe line between Altoona and Tyrone, PA for The People's Natural Gas Company.

OTHER BACKGROUND, EXPERIENCE, TRAINING AND QUALIFICATIONS:

- Nuclear quality assurance - author of the AEPNO seismic procedures, various seismic specifications and seismic engineering guide materials, etc.. Also trained other engineers in seismic subject matter, e.g., SSFI 90/11.
- Trained in implementing in-situ transfer function method of modal testing, dynamic modeling and seismic dynamic analyses of equipment and structures. Performed modal testing of cabinets, panels, racks, etc. at Cook Nuclear Plant in 1985-1986 time frame.
- Originator of idea and suggestion for SQUG to adopt and use GENRS software method (as a derivative of EDASP software) for calculating in-cabinet and panel amplified response spectra related to SQUG seismic adequacy screening of electrical relays.
- Participated in SQUG walkdowns to verify seismic adequacy of electrical and mechanical equipment at Cook Nuclear Plant.
- Trained in numerous subjects, e.g., quality assurance, root cause analysis, leadership and teambuilding, etc..
- Acquired and maintained certifications for full authorized access and as radiation worker at Cook Nuclear Plant (involved annual examinations for re-certifications including mandated participation in fitness-for-duty program and ongoing random drug tests).

- Knowledgeable of computer applications, usage and programming (largely self taught and ongoing since about 1965); expert programmer in BASIC language including graphics.
- Knowledgeable of electricity, electronics, radio communications, antenna design, antenna transmission line theory, calculation of antenna radiation patterns, etc.; have FCC Amateur 'Extra' Class radio operator and station license with present FCC-assigned call letters of N2NS; have been a FCC-licensed amateur radio operator since 1955 with former call letters WN3BVE, W3BVE, W8EOE and WB2PBO.
- Eagle Scout, woodsman and fisherman.



10/10/10



10/10/10





Certificate of Achievement

This is to Certify that

Paul R. Krugh

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held May 3-7, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

I-Chen Huang - Senior Engineer, Structural & Analytical Design Section

EXPERIENCE SUMMARY

Engineering and design of various nuclear power plant steel and reinforced concrete structures for static and dynamic loads. Seismic analysis of buildings and equipment for generation of in-structure response spectra.

EDUCATION

1970 M.S.C.E., Worcester Polytechnic Institute, Worcester. Mass.
1966 B.S.C.E., Cheng-Kung University, Taiwan

TRAINING

1992 SQUG Walkdown Screening and Seismic Evaluation Training Course
1978 Westinghouse PWR Information Course
1977 Introduction to Plant Operation - PWR Simulator Program

EXPERIENCE SUMMARY

1984 to Present American Electric Power Service Corporation

1990 to Present Senior Engineer
- Responsible for seismic evaluation of design changes
- Conducted site-specific qualification tests for the Hilti Kwik-II anchor bolts and the Drillco Maxi-Bolts

1984 to 1990 Design Engineer
- Designed various steel and reinforced concrete structures for both nuclear and fossil power plants.

1979 to 1984 Associated Technologies Inc., Clifton, NJ
Senior Design Engineer, worked as consultant to Duke Power Company on Catawba Nuclear Project - Responsible for analysis and design of safety related pipe supports and restraints.

1976 to 1979 Power Authority of the State of New York
Civil Structural Engineer on Indian Point 3 Nuclear Power Project - Responsible for coordination of design and construction of a four story Administration Building and a Receiving Warehouse.

1973 to 1976 Ebasco Services, Inc., New York, NY
Structural Engineer - Performed dynamic and static analyses for the foundation mat, the containment building and the auxiliary building for WPPSS No. 3 and 5 Nuclear Project and generated floor response spectra for use by other disciplines.

1970 to 1973 Wolchuk and Mayrbaurl Consulting Engineers, New York, NY
Structural Engineer - Performed analysis and design of
the Cook Nuclear Plant main steam line rupture
restraints which cantilevered off the outside of the
concrete containment wall.

REGISTRATION

Registered professional engineer (No. 51419) in the state of New York, 1974

PUBLICATION

Discussion on Approximate Stiffness and Bending Strength for Compact-
Rolled Sections - AISC engineering Journal 3rd quarter, 1986

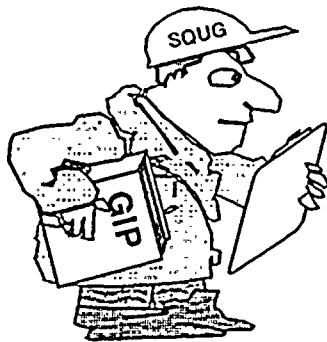


Certificate of Achievement

This is to Certify that

J - Chen Huang

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held June 22-26, 1992



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

MELVIN J. BASKERVILLE
4111 Sundance Drive
Columbus, Ohio 43224
Home: (614) 475-2561
Office: (614) 223-1480

EXPERIENCE

June 1979
to present

Electrical/Physical Designer
AMERICAN ELECTRIC POWER SERVICE CORPORATION
COLUMBUS, OHIO

- * Designed equipment locations and raceways for control, power, and instrumentation circuits for Donald C. Cook Nuclear Power Plant and miscellaneous coal-fired boiler power plants.
- * Coordinated electrical design department activities during seismic qualification of raceway supports.
- * Designed assignments per Appendix R criteria.
- * Participated in engineering investigations.
- * Performed quality assurance audits of in-progress equipment installation and maintenance.
- * Ordered nuclear grade equipment.
- * Designed electrical substations.
- * Used computerized information systems to perform design and investigations.
- * Created drawings using computer aided drafting and design (CADD).

EDUCATION

FRANKLIN UNIVERSITY COLUMBUS, OHIO
Bachelor of Science Degree, majored in Business Management. Graduated April 1995.

COLUMBUS STATE COMMUNITY COLLEGE COLUMBUS, OHIO
Associate of Science Degree, majored in Business Management. Graduated March 1994.

REFERENCES

Available upon request.



Certificate of Achievement

This is to Certify that

Melvin Baskerville

has Completed the Cable Tray and Conduit Raceway
Portion of the SQUG Walkdown Screening
and Seismic Evaluation Training Course
Held June 22-26, 1992



**Cable Tray and
Conduit Raceway Only**

David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager



.

...



...



Jey T. Sekaran

2369 Ridgewood Dr.
Stevensville, MI 49127

Home (616)-428-2912
Work (616)-465-5901 x1777

OBJECTIVE:

To obtain a Senior Civil or Structural engineer position which offers opportunity for advancement..

EDUCATION :

MS Civil Engineering, South Dakota School of Mines and Technology,
Rapid City, South Dakota, 1983.

MS Structural Engineering, University of Madras, India, 1978.

BS Civil Engineering, University of Madras, India, 1976.

SPECIALTIES :

Industrial and power plant structures. Seismic analysis of nuclear safety related structures, conduit and mechanical pipe supports, stress analysis of small bore piping, field walk down and design of conduit system, pipe supports and structural steel frames and concrete structures, stress analysis using finite element techniques.

EXPERIENCE :

1986 to Present

American Nuclear Resources, St. Joseph, Michigan

American Electric Power, Columbus, Ohio

Lead engineer for SQUG (Seismic Qualification Utility Group) at D.C. Cook Nuclear Power plant.

Responsible for the team performing visual and technical evaluation of the anchorage of the major plant components required for the safe plant shut down.

Civil/Structural Engineer, D.C. Cook Nuclear Power plant.

Performed field walk down, design, and qualification of conduit system, structural steel frames and platforms. Interfaced with contractor and other Indiana & Michigan Power disciplines in solving field problems related to electrical conduit supports, installation of Structural steel frames and platforms and repairs in reinforced concrete structures. Prepared maps for conduit installation and evaluation and disposition of Problem Reports and Condition Reports. Designed minor reinforced concrete structures, temporary structures such as scaffolding and tie downs.

1983 to 1986

Sargent & Lundy Engineers, Chicago, Illinois.

Structural Engineer at Clinton, Fermi, Byron and Braidwood Nuclear Power Plants.

Interfaced with client, contractor and other Sargent & Lundy disciplines in solving field problems related to small and large bore safety related mechanical piping systems.

Performed stress analysis of small bore piping using hand calculations. Qualified frames, base plates and embedment plates by hand calculations and computer programs.

Responsibilities included generation of Field Engineering Change Notices, evaluation and disposition of Field Change Requests and Non-conformance Reports. Qualified structural steel members and connections in containment and other buildings and modified over stressed beams and connections .Designed concrete floor slabs with composite beams.

1978 to 1982

Larsen & Tubro Engineers (Nuclear Reactor suppliers and contractors of Industrial and Power plant structures, Madras, India.)

Civil/Structural engineer in various projects.

Analyzed and designed the following Industrial and power plant structures for seismic and wind loads.

Equipment foundations, Reinforced concrete framed structures, chimneys, hoppers, conveyor structures & stock pile buildings, Reinforced and pre stressed concrete silos, Precast floor beams and floor elements.

PUBLICATIONS :

co-author - "Development of optimized Epoxy graphite implant for the Total Hip Joints" Proceeding of the Twentieth Annual Rocky Mountain International Bioengineering Symposium held at Mayo Clinic, Rochester, Minnesota (1983) pp. 57-70. (Contributed three-dimensional analysis using finite element techniques.)

co-author - "Dynamic Loads on Transmission Line Towers", Proceedings of International Symposium on Earthquake Engineering held at university of Roorkee, India (1978)pp. 445-460

PERSONAL :

Male 39 years old, excellent health, willing to relocate.

REFERENCES :

Will be furnished upon request.

Certificate of Achievement

This is to Certify that

Changavelu Jeyasekaran

has Completed the SQUG Walkdown Screening
and Seismic Evaluation Training Course

Held May 3-7, 1993



David A. Freed, MPR Associates
SQUG Training Coordinator

Neil P. Smith, Commonwealth Edison
SQUG Chairman

Robert P. Kassawara, EPRI
SQUG Program Manager

APPENDIX C

DONALD C. COOK NUCLEAR PLANT - UNIT 1

**SCREENING VERIFICATION
DATA SHEETS (SVDS)**

**(AS PER SQUG GENERIC IMPLEMENTATION
PROCEDURE, SECTION 4)**

SCREENING VERIFICATION DATA SHEET (SVDS)

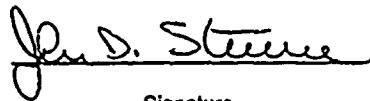
Item	Eq. Cl	Equip. ID No.	Rev No.	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	1-MRV-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 STOP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE MIDDLE SW REGN OF THE RM.	633.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	0	1-MRV-220	0	MAIN STEAM / STEAM GENERATOR OME3-2 STOP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCCLOSURE, IN THE MIDDLE S REGN OF THE RM.	633.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	0	1-MRV-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 STOP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCCLOSURE, ON MIDDLE N REGN OF RM.	633.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	0	1-MRV-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 STOP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE MIDDLE NW REGN OF THE RM, 13' NW OF 639 EL. PLATFORM ENTRANCE LADDER, NEAR THE CONT WALL.	633.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
5	0	1-OME-34E	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER	SCREENHOUSE	591.00	E ESW PUMP RM,	587.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	0	1-OME-34W	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER	SCREENHOUSE	591.00	W ESW PUMP RM,	587.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	0	1-OME-39	0	MAIN STEAM / AUXILIARY FEED PUMP TURBINE AND GOVERNOR VALVE	AUXILIARY	591.00	TB DRIVEN AUX FDWTR PMP, IN THE SW CORNER OF THE RM, 3 FT WEST OF TDAFP #1-PP-4	609.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	0	1-QC-12	0	BORON MAKEUP (CVCS) / NORTH BORIC ACID FILTER	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN THE NE REGN OF THE RM, 4' E OF N BORIC ACID STORAGE TANK # 1-TK-12N, 4' ABOVE FLR	587.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	0	1-QT-100-AB	0	DIESEL COMBUSTION AI / AB EMERG DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND, 20' NW OF UNIT 1 CONT DOME	608.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	0	1-QT-100-CD	0	DIESEL COMBUSTION AI / CD EMERG DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND, 50' SW OF REFUELING WATER STORAGE TANK	608.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	0	1-QT-104-AB	0	DIESEL COMBUSTION AI / AB EMERG DIESEL EXHAUST SILENCER	GROUND	609.00	INNER PLANT GROUND, 20' NW OF UNIT-1 CONT DOME	608.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	0	1-QT-104-CD	0	DIESEL COMBUSTION AI / CD EMERG DIESEL EXHAUST SILENCER	GROUND	609.00	INNER PLANT GROUND, 50' SW OF REFUELING WATER STORAGE TANK	608.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	0	12-HE-19N	0	CVCS (BORON RECOVERY / NORTH BORIC ACID CONCENTRATOR UNIT SKID AND FRAMING	AUXILIARY	587.00	N BORIC ACID EVAPORATOR RM, IN THE CENTER OF THE RM	587.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	0	12-QC-3	0	SPENT FUEL PIT COOLI / SPENT FUEL PIT FILTER	AUXILIARY	609.00	SPENT FUEL PIT FILTER RM, IN THE CENTER OF THE CUBICLE IN THE NE CORNER OF THE SPENT FUEL PIT HEAT EXCHANGER RM	609.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
15	0	12-TK-207	0	NITROGEN (REACTOR PL / REACTOR PLANT NITROGEN BULK STORAGE TANKS #3,4,5,6,7,8	GROUND	609.00	REACTOR GAS BOTTLE STORAGE AREA, IN THE MIDDLE OF THE SOUTH REGION OF THE ROOM, 35 FEET NORTHWEST OF THE AUX 609 CRANE BAY ROLLUP DOOR, 6 FEET ABOVE	608.00	N/A	Judgment vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson



12/11/95

Paul R. Wilson



12/11/95

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	1	1-AB-A	0	ELECTRICAL DISTRIBUT / 600VAC MCC AB-A	AUXILIARY	587.00	HALLWAY, IN THE NE END OF THE HALLWAY, 10FT S OF STARTUP BLOWDOWN FLASHTANK RM ENTRANCE DOORS, NEAR THE E WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	1	1-AB-D	0	ELECTRICAL DISTRIBUT / 600VAC MCC AB-D	AUXILIARY	587.00	HALLWAY, IN THE NE REGN OF THE HALLWAY, 20 FEET S OF THE STARTUP BLOWDOWN FLASHTANK RM DOOR, NEAR THE E WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	1	1-AB-N	0	250 VDC CONTROL AND / CONTROL CENTER VALVE	AUXILIARY	587.00	HALLWAY, 2 FEET E OF THE N STAIRWAY, IN THE N END OF THE HALLWAY	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	1	1-ABD-A	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-A	AUXILIARY	587.00	AB EDG RM, IN THE NW REGN OF THE RM, NEAR THE N WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	1	1-ABD-B	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-B	AUXILIARY	587.00	AB EDG RM, IN THE NW REGN OF THE RM, NEAR THE N WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	1	1-ABD-C	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-C	AUXILIARY	609.00	, IN THE SW CORNER OF THE RM, ON THE S WALL, 10FT SW OF CD EMERGENCY DIESEL GENERATOR #1-OME-150-CD	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	1	1-ABD-D	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-D	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW CORNER OF THE RM, ON THE SO. WALL, 10FT SW OF CD EMERG. DIESEL GENERATOR #1-OME-150-CD	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	1	1-ABV-A	0	ELECTRICAL DISTRIBUT / 600VAC VCC ABV-A	AUXILIARY	587.00	HALLWAY, IN THE NE END OF THE HALLWAY, 8FT NE OF N BORIC ACID EVAPORATOR SUBPANEL #12-BAEN, NEAR N WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	1	1-ABV-D	0	600V AC DISTR / MCC 1-ABV-D	AUXILIARY	587.00	HALLWAY, IN N REGN OF HALLWAY, 20 FEET S OF RADIOCHEMICAL DRAIN TK-12-TK-6 NEAR THE W WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	1	1-AM-A	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-A	AUXILIARY	633.00	HALLWAY, NEAR THE W WALL OF THE HALLWAY, 9FT S OF CONT AUX SUB PNL# 1-CAS	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	1	1-AM-D	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-D	AUXILIARY	633.00	HALLWAY, IN THE MIDDLE N SECTION OF THE HALLWAY, 12FT S OF THE UNIT 1 CONTROL RM EMERGENCY EXIT DOOR, NEAR THE W WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	1	1-AZ-8C	0	ELECTRICAL DISTRIBUT / 600VAC MCC AZ-8C	AUXILIARY	609.00	HALLWAY, 20 FT. SE OF CONTROLLED AREA ENTRANCE FIRE DOOR #12-DR-AUX391, 5 FEET E OF THE N STAIRWAY, NEAR THE N WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	1	1-AZV-A	0	ELECTRICAL DISTRIBUT / 600VAC VCC AZV-A	AUXILIARY	587.00	HALLWAY, 10 FT NW OF BORIC ACID BATCHING TANK #12-TK-13, NEAR THE N WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	1	1-EZC-A	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-A	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN THE NW AREA OF THE RM, 10FT S OF THE N WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
15	1	1-EZC-B	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-B	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN THE NW AREA OF THE RM, 4 FEET S OF THE N WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	1	1-EZC-C	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-C	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN THE SW REGN OF THE RM, 4 FEET N OF HTE S WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

12/16/95

12/18/95

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
17	1	1-EZC-D	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-D	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN THE SW REGN OF THE RM, 8 FT E OF THE WALL, 2 FT S OF 480V AC MCC 1-PHC-2	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	1	1-PS-A	0	ELECTRICAL DISTRIBUT / 600 VAC MCC 1-PS-A	SCREENHOUSE	594.00	TRAVELING SCREEN MCC UPPER RM, 10 FEET SW OF THE RMS ENTRANCE DOORWAY, ON THE W WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	1	1-PS-D	0	ELECTRICAL DISTRIBUT / 600 VAC MCC 1-PS-D	SCREENHOUSE	594.00	TRAVELING SCREEN MCC UPPER RM, ON W WALL, 2 FEET S OF THE RMS ENTRANCE DOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	2	1-11A	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11A SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, 7 FT WEST OF NORTH PLANT LIGHTING TRANSFORMER #1-TR-LTG-9N	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	2	1-11A1	0	ELECTRICAL DISTRIBUT / REACTOR ROD CONTROL SOUTH MOTOR-GENERATOR SET CRDMG-1S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11A, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	2	1-11A10	0	ELECTRICAL DISTRIBUT / WEST TURBINE AUXILIARY COOLING WATER PUMP PP-14W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11A, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	2	1-11A11	0	ESW / 600VAC BUS 11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, IN 600V AC SWGR #1-11A, 6FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
24	2	1-11A12	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11A SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11A, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
25	2	1-11A13	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER AM-A1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11A, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
26	2	1-11A2	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON 600V AC SWGR #1-11A, 5FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
27	2	1-11A3	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON 600V AC SWGR #1-11A, 1FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
28	2	1-11A4	0	ELECTRICAL DISTRIBUT / SOUTH PLANT LIGHTING TRANSFORMER TR-LTG-9S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11A, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
29	2	1-11A5	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON 600V AC SWGR #1-11A, 3FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
30	2	1-11A6	0	ELECTRICAL DISTRIBUT / 600VAC MCCS AB-A, PS-A, TPP-A, AND VCCS ABV-A, AZV-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON 600V AC SWGR #1-11A, 1FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
31	2	1-11A7	0	ELECTRICAL DISTRIBUT / SERVICE BUILDING LIGHTING TRANSFORMER 12-TR-LTG-14 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11A, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/18/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Cavests OK?	Anchor OK?	Interact OK?	Equip OK?
32	2	1-11A8	0	ELECTRICAL DISTRIBUT / 600VAC BORIC ACID HEAT TRACE CONTROL CENTER BHT-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11A, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
33	2	1-11A9	0	ELECTRICAL DISTRIBUT / TSC UNINTERRUPTABLE PWR SOURCE EMER FEED CONSTANT VOLTAGE TRANSFORMER 12-TSC-UPS-CVT SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11A, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
34	2	1-11AC	0	ELECTRICAL DISTRIBUT / 600 VAC. BUS 11A TO 600VAC. BUS 11C TIE BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE S W REGN OF THE RM, ON 600VAC. SWGR #1-11A, 5FT. ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
35	2	1-11B	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11B SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
36	2	1-11B1	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-B SUPPLY BREAKER (1-ELSC)	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, 6FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
37	2	1-11B10	0	ELECTRICAL DISTRIBUT / PLANT AIR COMPRESSOR OME-41 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
38	2	1-11B11	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, ON 600V AC SWGR #1-11B, 6FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
39	2	1-11B12	0	ELECTRICAL DISTRIBUT / SOUTH NON-ESSENTIAL SERVICE WATER PUMP PP-8S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
40	2	1-11B13	0	ELECTRICAL DISTRIBUT / TURBINE ROOM INDUCTION HEATING, STRESS RELIEF AND BOLT HEATERS SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
41	2	1-11B2	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, IN 600V AC SWGR #B, 5FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
42	2	1-11B3	0	ELECTRICAL DISTRIBUT / EAST AND WEST AUXILIARY BUILDING CRANES 12-QM-3E AND 12-QM-3W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
43	2	1-11B4	0	ELECTRICAL DISTRIBUT / 600VAC MCC AZ-BC SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, ON THE 600VAC SWGR #1-11B, 5 FEET ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
44	2	1-11B5	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTERS TBG-BE AND TBP-BW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
45	2	1-11B6	0	ELECTRICAL DISTRIBUT / EAST TURBINE AUXILIARY COOLING WATER PUMP PP-14E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
46	2	1-11B7	0	ELECTRICAL DISTRIBUT / PLANT HEATING BOILER FORCED DRAFT FAN 12-OME-10-FAN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, IN 600VAC SWGR COMPARTMENT #1-11B	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
47	2	1-11B8	0	ELECTRICAL DISTRIBUT / MAKEUP PLANT VACUUM DEGASIFIER 2ND STAGE VACUUM PUMP 12-PP-44M SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
48	2	1-11B9	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11B SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11B, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
49	2	1-11BD	0	ELECTRICAL DISTRIBUT / TIE CIRCUIT BREAKER BETWEEN BUS 11B AND 11D	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, ON 600VAC SWGR #1-11B, 5 FEET ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
50	2	1-11C	0	ELECTRICAL DISTRIBUT / 600V BUS 11C SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
51	2	1-11C1	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON 600VAC SWGR #1-11C, 6FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
52	2	1-11C10	0	ELECTRICAL DISTRIBUT / 600VAC MCCS ABD-C AND TSC-S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, IN 600VAC SWGR #1-11C, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
53	2	1-11C11	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
54	2	1-11C12	0	ELECTRICAL DISTRIBUT / NORTH SPENT FUEL PIT PUMP 12-PP-31N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
55	2	1-11C13	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER-600V FOR RECIPROCATING CHARGING PUMP 1-PP-49	AUXILIARY	609.00	SWGR RM, IN THE SW REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
56	2	1-11C14	0	ELECTRICAL DISTRIBUT / FIRE PROTECTION WATER HIGH DEMAND PUMP PP-11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
57	2	1-11C15	0	ELECTRICAL DISTRIBUT / TECHNICAL SUPPORT CENTER UNINTERRUPTABLE POWER SUPPLY NORMAL SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
58	2	1-11C16	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTERS TBC-CS AND TBG-CW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
59	2	1-11C17	0	ELECTRICAL DISTRIBUT / NORTH NON-ESSENTIAL SERVICE WATER PUMP PP-8N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
60	2	1-11C18	0	ELECTRICAL DISTRIBUT / TURBINE BUILDING 240/50 TON OVERHEAD CRANE 12-QM-1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
61	2	1-11C2	0	ELECTRICAL DISTRIBUT / CONTAINMENT POLAR CRANE QM-4 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11C, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
62	2	1-11C3	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER AM-C1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11C, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
63	2	1-11C4	0	ELECTRICAL DISTRIBUT / CIRCULATING WATER TRAVELING SCREENS NORTH WASH PUMP 12-PP-15N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11C, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
64	2	1-11C5	0	ELECTRICAL DISTRIBUT / MAKEUP PLANT VACUUM DEGASIFIER STANDBY VACUUM PUMP 12-PP-44W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, ON 600VAC SWGR #1-11C, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
65	2	1-11C6	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW REGN OF THE RM, ON THE 600VAC. SWGR #1-11C, 1 FOOT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
66	2	1-11C7	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
67	2	1-11C8	0	ELECTRICAL DISTRIBUT / SERVICE BUILDING AND CONTAINMENT STANDBY LIGHTING TRANSFORMER TR-LTG-8 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
68	2	1-11C9	0	ELECTRICAL DISTRIBUT / MAIN AND SPARE TRANSFORMER AUXILIARIES NORMAL DISTRIBUTION CABINET TCSN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SW REGION OF THE RM, IN 600VAC SWGR #1-11C, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
69	2	1-11D	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11D SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
70	2	1-11D1	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, ON 600VAC. SWGR #1-11D, 5 FEET ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
71	2	1-11D10	0	ELECTRICAL DISTRIBUT / NORTH PLANT LIGHTING TRANSFORMER TR-LTG-9N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
72	2	1-11D11	0	ELECTRICAL DISTRIBUT / 600VAC BORIC ACID HEAT TRACE CONTROL CENTER BHT-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 6 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
73	2	1-11D13	0	ELECTRICAL DISTRIBUT / REACTOR ROD CONTROL NORTH MOTOR-GENERATOR SET CRDMG-1N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
74	2	1-11D14	0	600V AC DISTR / 600VAC MCC 1-AB-D, VCC 1-ABV-D, MCC 1-PS-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SE REGN OF THE RM, ON 600V AC SWGR 1-11D, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
75	2	1-11D3	0	ELECTRICAL DISTRIBUT / CONTAINMENT LIGHTING TRANSFORMER TR-LTG-10 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 1 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
76	2	1-11D4	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11D SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
77	2	1-11D5	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, IN 600VAC. SWGR #1-11D, 3 FEET ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
78	2	1-11D6	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, IN 600VAC SWGR #1-11D, 1 FOOT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
79	2	1-11D8	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, IN 600VAC SWGR #1-11D, 5 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
80	2	1-11D9	0	ELECTRICAL DISTRIBUT / MAIN AND SPARE TRANSFORMER AUXILIARIES EMERGENCY DISTRIBUTION CABINET TCSE SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR, IN THE SE REGION OF THE RM, ON 600VAC SWGR #1-11D, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
81	2	1-52-BYA	0	REACTOR TRIP BREAKER / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM, IN THE MIDDLE WEST REGION OF THE RM, ON 260/150VAC ROD CONTROL MOTOR-GENERATOR SET SWGR #1-CRDSWGR, 3 FT	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
82	2	1-52-BYB	0	ROD CONTROL AND INST / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM, ON 260/150 VAC ROD CONTROL MOTOR-GENERATOR SET SWGR #1-CRDSWGR, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
83	2	1-52-RTA	0	ROD CONTROL AND INST / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM, IN THE MIDDLE WEST REGION OF THE RM, IN BREAKER COMPARTMENT #1-52-RTA, 3 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
84	2	1-52-RTB	0	ROD CONTROL AND INST / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM, IN THE MIDDLE WEST REGION OF THE RM, IN BREAKER COMPARTMENT #1-52-RTB, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
85	3	1-T11A	0	ELECTRICAL DISTRIBUT / 4KV BUS T11A SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE SE REGION OF THE RM, 5 FT NE OF THE RM'S ENTRANCE DOORWAY	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
86	3	1-T11A1	0	ELECTRICAL DISTRIBUT / SOUTH SAFETY INJECTION PUMP PP-26S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE SE REGION OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
87	3	1-T11A10	0	ELECTRICAL DISTRIBUT / 600V BUS 11A SUPPLY TRANSFORMER TR11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
88	3	1-T11A11	0	ELECTRICAL DISTRIBUT / AB EMERG DIESEL GENERATOR TO 4KV BUS T11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
89	3	1-T11A12	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER FROM 69KV TO BUS T11A	AUXILIARY	609.00	4KV RM, IN THE NE REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
90	3	1-T11A2	0	ELECTRICAL DISTRIBUT / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
91	3	1-T11A3	0	ELECTRICAL DISTRIBUT / WEST CONTAINMENT SPRAY PUMP PP-9W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE SE REGION OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
92	3	1-T11A4	0	ELECTRICAL DISTRIBUT / WEST RHR PUMP PP-35W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
93	3	1-T11A5	0	ELECTRICAL DISTRIBUT / WEST ESW PUMP PP-7W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
94	3	1-T11A6	0	ELECTRICAL DISTRIBUT / 4KV BUS T11A TO 480V PRESSURIZER HEATER BUS SUPPLY XFMR TR11A PHA SUPPLY BRKR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE SE REGION OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
95	3	1-T11A7	0	ELECTRICAL DISTRIBUT / WEST CCW PUMP PP-10W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
96	3	1-T11A8	0	ELECTRICAL DISTRIBUT / WEST CENTRIFUGAL CHARGING PUMP PP-50W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE SE REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
97	3	1-T11A9	0	ELECTRICAL DISTRIBUT / 4KV BUS 1A TO 4KV BUS T11A TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE SE REGION OF THE RM, IN 4KV SWGR #1-T11A, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
98	3	1-T11B	0	ELECTRICAL DISTRIBUT / 4KV BUS T11B SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE NW REGION OF THE RM, 20 FT NORTH OF THE RM'S ENTRANCE DOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
99	3	1-T11B1	0	ELECTRICAL DISTRIBUT / 4KV BUS 1B TO 4KV BUS T11B TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR, IN THE NW REGION OF THE RM, IN 4KV SWGR #1-T11B, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
100	3	1-T11B2	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER FROM 69KV BUS TO BUS T11B	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE NW REGN OF THE RM, IN 4KV SWGR #1-T11B, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
101	3	1-T11B4	0	ELECTRICAL DISTRIBUT / AB EMERG DIESEL GENERATOR TO 4KV BUS T11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE NW REGN OF THE RM, IN 4KV SWGR #1-T11B, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
102	3	1-T11C	0	ELECTRICAL DISTRIBUT / 4KV BUS T11C SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE NE REGION OF THE RM, 25 FT NE OF THE RM'S ENTRANCE DOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
103	3	1-T11C1	0	ELECTRICAL DISTRIBUT / 4KV BUS 1C TO 4KV BUS T11C TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE NE REGION OF THE RM, IN 4KV SWGR #1-T11C, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
104	3	1-T11C2	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER-4KV FROM 69KV TO BUS T11C	AUXILIARY	609.00	4KV RM, IN THE SW REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
105	3	1-T11C3	0	ELECTRICAL DISTRIBUT / CD EMERG DIESEL GENERATOR TO 4KV BUS T11C SUPPLY BREAKER	AUXILIARY	587.00	4KV RM, CD 4KV SWGR RM, IN THE NE REGN OF THE RM, IN 4KV SWGR #11-T11C, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
106	3	1-T11D	0	ELECTRICAL DISTRIBUT / 4KV BUS T11D SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE SW REGION OF THE RM, 20 FT SE OF THE RM'S ENTRANCE DOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
107	3	1-T11D1	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER 4KV FROM 69KV FEED TO BUS T11D	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE SW REGN OF THE RM, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
108	3	1-T11D10	0	ELECTRICAL DISTRIBUT / EAST ESS SERVICE WATER PUMP 1-PP-7E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE SW REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
109	3	1-T11D11	0	ELECTRICAL DISTRIBUT / EAST MOTOR DRIVEN AUXILIARY FEED WATER PUMP PP-3E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE SW REGN OF THE RM, IN THE 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
110	3	1-T11D12	0	ELECTRICAL DISTRIBUT / 4KV BUS 1D TO 4KV BUS T11D TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE SW REGION OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
111	3	1-T11D2	0	ELECTRICAL DISTRIBUT / 600V BUS 11D SUPPLY TRANSFORMER TR11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE SW REGN OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
112	3	1-T11D3	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER-4KV CCW PUMP-1-EAST SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, IN SW REGN OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
113	3	1-T11D4	0	ELECTRICAL DISTRIBUT / EAST CONTAINMENT SPRAY PUMP PP-9E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE SW REGION OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
114	3	1-T11D5	0	ELECTRICAL DISTRIBUT / NORTH SAFETY INJECTION PUMP PP-26N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE SW REGION OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
115	3	1-T11D6	0	ELECTRICAL DISTRIBUT / EAST RHR PUMP PP-35E SUPPLY BKR	AUXILIARY	609.00	4KV RM, IN THE SW REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
116	3	1-T11D7	0	ELECTRICAL DISTRIBUT / EAST CENTRIFUGAL CHARGING PUMP 1-PP-50E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, IN THE NE CORNER OF THE RM, NEAR THE CEILING.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
117	3	1-T11D8	0	ELECTRICAL DISTRIBUT / CD EMERG DIESEL GENERATOR TO 4KV BUS T11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE SW REGN OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
118	3	1-T11D9	0	ELECTRICAL DISTRIBUT / 4KV BUS T11D TO 480V PRESSURIZER HEATER BUS SUPPLY XFMR TR11PHC SUPPLY BRKR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR, IN THE SW REGION OF THE RM, IN 4KV SWGR #1-T11D, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
119	4	1-CRID-4-CVT	0	120V CONTROL ROOM IN / 10KVA TRANSFORMER-CONSTANT VOLTAGE	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, 7 FEET S OF 600VAC BUS 11B SUPPLY TRANSFORMER #1-TR11B	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
120	4	1-CRID-II-CVT	0	120VAC DISTRIBUTION / 120V AC CR INST DISTR CH-II ISOL. CONT. VOLT TRANSF	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SE REGN OF RM, 7' SW OF 600V AC BUS 11B SUPPLY TRANS# 1-TR11B	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
121	4	1-CRID-III-CVT	0	120V CONTROL ROOM IN / 10 KVA ISOLIMETER -CONSTANT VOLTAGE -TRANSFORMER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SE REGN OF THE RM, 7 FEET SE OF 600VAC BUS 11B SUPPLY TRANSFORMER #1-TR11B	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
122	4	1-CRID-IV-CVT	0	120V CONTROL ROOM IN / 10KVA ISOLIMETER- CONSTANT VOLTAGE-TRANSFORMER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SE REGN OF THE RM, 7 FEET SE OF 600 VAC BUS 11B SUPPLY TRANSFORMER #1-TR11B	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
123	4	1-DGAB-FFCKT	0	DIESEL GENERATION, C / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EDG RM, IN MIDDLE N REGN OF RM, 5 FT. E OF RM'S DOORWAY, INSIDE N SIDE OF AB EMERG DIESEL GEN CONT SUBPANEL 1-DGAB, 2' ABV FLOO	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
124	4	1-DGCD-FFCKT	0	DIESEL GENERATION, C / CD EMERGENCY DIESEL GENERATOR OME-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EDG RM, IN MIDDLE S REGN OF RM, 5' W OF CD EMERG. DSL GEN RM DOORWAY, INSIDE CD EMERG DSL CTRL SUBPNL 1-DGCD, NEAR FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
125	4	1-TR-AFW	0	120V/220V CONTROL AND / AUXILIARY FEEDWATER 120/208VAC DIST PNL AFW SUPPLY TRANSFORMER	AUXILIARY	587.00	CD EDG RM, IN MIDDLE NE REGN OF RM, 10 FT. NW OF CD EMERG DIESEL GEN #1-OME-150-CD, NEAR N WALL	587.00	Yes	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
126	4	1-TR-ELSC	0	120V/220 CONTROL AND / 120/208 VAC EMERGENCY LOCAL SHUTDOWN DISTRIBUTION TRANSFORMER	AUXILIARY	587.00	AB EDG RM, IN THE NE CORNER OF THE RM, ON THE E WALL, 4 FEET ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
127	4	1-TR11A	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11A SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE NW REGN OF THE RM	609.00	No	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
128	4	1-TR11B	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11B SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE NE REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
129	4	1-TR11C	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11C SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE NE REGN OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
130	4	1-TR11D	0	ELECTRICAL DISTRIBUT / 600VAC BUS 11D SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE NE REGN OF THE RM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
131	16	1-BC-A	0	250VDC CONTROL AND // BATTERY CHARGER	AUXILIARY	633.00	HALLWAY, 20 FEET N OF THE 'N' TRAIN BATTERY RM, NEAR THE E WALL		Yes	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
132	16	1-BC-AB1	0	250V DC DISTRIBUTION / PLANT BATT BATT-AB BATTERY CHARGER #1	AUXILIARY	613.00	4KV RM, IN CENTER OF RM, 4 FT N OF PLANT BATTERY CHARGER #1-BC-AB2	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
133	16	1-BC-AB2	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-AB CHARGER #2	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN CENTER OF THE RM, 4 FT S EAST OF PLANT BATTERY CONTROL PANEL #1-BC-AB	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
134	16	1-BC-B	0	250VDC CONTROL AND // BATTERY CHARGER	AUXILIARY	633.00	HALLWAY, 22 FEET N OF THE 'N' TRAIN BATTERY RM, NEAR THE E WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
135	16	1-BC-CD1	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #1	AUXILIARY	626.00	CD BATT EQUIP AREA, IN N END OF RM, 4 FT SW OF PLANT BATTERY DISTRIBUTION PANEL #1-BCTC-CD	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
136	16	1-BC-CD2	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #2	AUXILIARY	626.00	CD BATT EQUIP AREA, IN N END OF THE RM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
137	16	1-CRID-I-INV	0	120VAC CONTROL ROOM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-I INVERTER	AUXILIARY	609.00	INVERTER AREA, IN THE MIDDLE E REGN OF THE RM, 20 FEET FROM THE N WALL, 3 FEET FROM THE E WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
138	16	1-CRID-II-INV	0	120V DC DISTRIBUTION / 120V AC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-II INVERTER	AUXILIARY	609.00	INVERTER AREA, IN SE REGN OF RM, 10 FT FROM THE N WALL, 3 FT FROM THE E WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
139	16	1-CRID-III-INV	0	120V CONTROL ROOM IN / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-III INVERTER	AUXILIARY	609.00	INVERTER AREA, IN THE SW REGN OF THE RM, 20 FEET FROM THE S WALL, 3 FEET FROM THE W WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
140	16	1-CRID-IV-INV	0	120V CONTROL ROOM IN / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-IV INVERTER	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF TH RM, ON THE E WALL, ON CONTROL RM E REAR INSTRUMENT/RELAY RACK #1-ERR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
141	16	1-DGAB-INV	0	DIESEL GENERATOR, CO / AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	AUXILIARY	587.00	AB EDG RM, IN NE REGN OF THE RM, 20 FEET NE OF AB EMERGENCY DIESEL GENERATOR #1-OME-150-AB	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
142	16	1-DGCD-INV	0	DIESEL GENERATOR INVERTER	AUXILIARY	587.00	CD EDG RM, IN THE MIDDLE S REGN OF THE RM, 15 FEET SW OF THE CD EMERGENCY DIESEL GENERATOR #1-OME-150-CD, NEAR THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	5	1-QT-106-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	AB EDG FUEL OIL TRANSFER PUMP RM, IN THE MIDDLE SE REGN OF THE RM, 20FT S OF THE RM'S ENTRANCE DOOR, NEAR THE E WALL, ON THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	5	1-QT-106-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	AB EDG FUEL OIL TRANSFER PUMP RM, IN THE MIDDLE SE REGN OF THE RM, 22FT S OF THE RM'S ENTRANCE DOOR, NEAR THE E WALL, NEAR THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/20/95
Date



10

13

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	5	1-PP-10E	0	CCW / EAST CCW PUMP	AUXILIARY	609.00	HALLWAY	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	5	1-PP-10W	0	CCW / WEST CCW PUMP	AUXILIARY	609.00	HALLWAY,	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	5	1-PP-26N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, IN THE MIDDLE OF THE RM, 5' SE OF THE ENTRANCE DOOR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	5	1-PP-26S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP	AUXILIARY	587.00	S SAFETY INJECTION PUMP RM, IN THE CENTER OF THE RM, 5' SE OF THE RM'S ENTRANCE.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	5	1-PP-3E	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEEDWATER PUMP	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE MIDDLE OF THE S PART OF THE RM.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	5	1-PP-3W	0	AUX FEEDWATER / WEST MOTOR DRIVEN AUX FEEDWATER PUMP	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, IN THE MIDDLE OF THE W PART OF THE RM, 4' S OF THE ROLL-UP DOOR ENTRANCE.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	5	1-PP-4	0	AUX FEEDWATER / TURBINE DRIV AUX FEEDWATER PUMP	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, SE PART OF THE RM.	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	5	1-PP-46-1	0	CVCS / BORIC ACID STORAGE TANKS TRANSFER PUMP 1	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN MIDDLE E REGN OF RM, 5' E OF MIDDLE BORIC ACID STORAGE TANK 12-TK-12M, NEAR FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	Yes	No
9	5	1-PP-46-2	0	CVCS / BORIC ACID STORAGE TANKS TRANSFER PUMP 2	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN MIDDLE NE REGN OF RM, 5' NE OF MIDDLE BORIC ACID STORAGE TANK 12-TK-12M, NEAR FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	5	1-PP-49	0	CVCS / RECIPROCATING CHARGING PUMP	AUXILIARY	587.00	RECIPROCATING CHARGING PUMP RM, IN THE CENTER OF THE N END OF THE RM, FLR MOUNTED, 5' ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson
Print or Type Name

John D. Stevenson
Signature

12/11/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/11/95
Date



3

2

1

3

2

1

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
11	5	1-PP-50E	0	CVCS / EAST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	E CENTRIFUGAL CHARGING PUMP RM, IN THE CENTER OF THE RM, FLR MOUNTED, 5' ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	5	1-PP-50W	0	CVCS / WEST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	W CENTRIFUGAL CHARGING PUMP RM, IN CENTER OF THE RM, 5' ABOVE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	5	1-PP-82N	0	CONTROL ROOM A/C CHI / CONTROL ROOM NORTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CONTROL RM, A/C RM, 4' E OF CR A/C N LIQUID CHILLER, NEAR THE FLR.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	5	1-PP-82S	0	CONTROL ROOM A/C CHI / CONTROL A/C SOUTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CONTROL RM, A/C RM, 4' E OF CR A/C S LIQUID CHILLER, NEAR THE FLR.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
15	5	12-PP-10	0	CCW / SPARE CCW PUMP	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	5	12-PP-31N	0	SPENT FUEL PIT COOLI / NORTH SPENT FUEL PIT PUMP	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM, IN THE NW REGION OF RM, 5 FT NORTH OF NORTH SPENT FUEL PIT HEAT EXCHANGER #12-HE-16N, NEAR THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
17	6	1-PP-35E	0	RHR / EAST RHR PUMP	AUXILIARY	573.00	E RHR PUMP RM, 10 FEET N OF THE E RHR PUMP DOORWAY,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	6	1-PP-35W	0	RHR / WEST RHR PUMP	AUXILIARY	573.00	W RHR PUMP RM, MIDDLE OF N PART OF RM,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	6	1-PP-7E	0	ESW / EAST ESW PUMP	SCREEN HOUSE	591.00	E ESW PUMP RM,	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	6	1-PP-7W	0	ESW / WEST ESW PUMP	SCREEN HOUSE	591.00	W ESW PUMP RM,	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson
Print or Type Name

John D. Stevenson
Signature

12/11/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/11/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
21	6	1-PP-9E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	E CONT SPRAY PUMP RM, IN THE NW REGN.,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	6	1-PP-9W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	W CONT SPRAY PUMP RM, IN THE NW REGN OF THE RM.,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson
Print or Type Name

John D. Stevenson
Signature

12/11/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/11/95
Date



8

11

12

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-DRV-407	0	STEAM LINE DRAINS / MAIN STEAM LEADS CONDENSATION DRAIN TANK TK-200, OUTLET SHUTOFF VALVE	AUXILIARY	621.00	W MAIN STEAM STOP ENCLOSURE, 4' SW OF SG STOP VALVE #1-MRV-230, NEAR THE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No
2	7	1-FRV-245	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W2 AIR OPERATED TEST VALVE	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, ON THE MIDDLE OF THE E WALL, 4' E OF W MDAFW PP, 3' ABOVE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	1-FRV-247	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W EMERG 1 AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, IN THE SE PART OF THE RM, 10' SE OF W MDAFW PP, 2' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	7	1-FRV-255	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEEDWATER PUMP PP-3E 2 AIR OPERATED TEST VALVE	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE NW PART OF THE RM, NEAR THE W WALL, 7' NW OF E MDAFW PP MTR, 2' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	7	1-FRV-256	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-42 AIR OPERATED TEST VALVE	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN THE NW PART OF THE RM, 7' NW OF AUX FEED PUMP TURBINE 1-OME-39, 4' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	1-FRV-257	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEEDWATER PUMP PP-3E EMERG 1 AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE NW PART OF THE RM, ON THE W WALL, 6' NW OF E MDAFW PP, 5' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	7	1-FRV-258	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP EMERG 1 AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN THE NW PART OF THE RM, 8' NW OF AFW PP TURBINE 1-OME-39, 6' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	7	1-MRV-221	0	MAIN STEAM / STEAM GENERATOR 2 STOP VALVE MRV-220 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 5' S OF STEAM STOP VALVE 1-MRV-220, BY THE 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	7	1-MRV-222	0	MAIN STEAM / STEAM GENERATOR 2 STOP VALVE MRV-220 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 3' SE OF STEAM STOP VALVE 1-MRV-220, ON THE 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	7	1-MRV-223	0	MAIN STEAM / STEAM GENERATOR OME-3-2 PORV	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 7' SE OF THE TOP OF STEAM STOP VALVE 1-MRV-220, ON THE 647 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
11	7	1-MRV-231	0	MAIN STEAM / STEAM GENERATOR 3 STOP VALVE MRV-230 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 5' N OF STEAM STOP VALVE 1-MRV-230, ON 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	7	1-MRV-232	0	MAIN STEAM / STEAM GENERATOR 3 STOP VALVE MRV-230 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 3' NW OF STEAM STOP VALVE 1-MRV-230, ON THE 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
13	7	1-MRV-233	0	MAIN STEAM / STEAM GENERATOR OME-3-3 PORV	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 8' NE OF THE TOP OF STEAM STOP VALVE 1-MRV-230, ON THE 647 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
14	7	1-SV-140-1	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP GOVERNOR OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
15	7	1-SV-140-2	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

Gunnar Harstead
Print or Type Name


Signature

12/12/95
Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No.	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
16	7	1-SV-169E	0	AUX FEEDWATER / EAST MOTOR DRN AUX FEED PUMP PP-3E SUCTION SAFETY VALVE	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
17	7	1-SV-169W	0	AUX FEEDWATER / WEST MOTOR DRN AUX FEEDWATER PUMP SUCTION SAFETY VALVE	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
18	7	1-SV-1A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1A	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
19	7	1-SV-1A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1A	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
20	7	1-SV-1B-2	0	MAIN STEAM / STEAM GENERATOR 2 SAFETY VALVE 1B	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
21	7	1-SV-1B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1B	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
22	7	1-SV-2A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1A	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
23	7	1-SV-2A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2A	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
24	7	1-SV-2B-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 2B	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
25	7	1-SV-2B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2B	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
26	7	1-SV-3-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 3	AUXILIARY	633.00	W MAIN STM STOP ENCL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
27	7	1-SV-3-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE #3	AUXILIARY	633.00	W MAIN STM STOP ENCL, 10 FT NW OF STEAM STOP VLV #1-MRV-230, ON 640 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
28	7	1-SV-67-1	0	CCW / CCW TO BORIC ACID SAFETY VALVE	AUXILIARY	587.00	REFUELING WTR PURIF PMP RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
29	7	1-WRV-711	0	ESW / ESW TO CONTROL ROOM A/C NORTH LIQUID CHILLER CONDENSER CONTROL VALVE	AUXILIARY	650.00	CTRL RM AIR COND RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
30	7	1-WRV-712	0	ESW / ESW TO CONTROL ROOM A/C SOUTH LIQUID CHILLER CONDENSER CONTROL VALVE	AUXILIARY	650.00	CTRL RM AIR COND RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
31	7	1-WRV-761	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
32	7	1-WRV-762	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESW PUMP RM, 2' S OF W ESW PUMP DISCHARGE STRAINER #1-OME-34W, 1' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
33	7	1-WRV-766	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH 4 AIR OPERATED INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
34	7	1-WRV-767	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH INLET 4 AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	W ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

Gunnar Harstead
Print or Type Name

Signature

Date

12/13/95

Gunnar Harstead 12/12/95



3

1

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
35	7	1-WRV-771	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
36	7	1-WRV-772	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH SHUTOFF VALVE	SCREENHOUSE	591.00	W ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
37	7	1-WRV-776	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH INLET 4 AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	E ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
38	7	1-WRV-777	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH INLET 4 AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	W ESW PUMP RM,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
39	7	12-CRV-51	0	CONDENSATE STORAGE S / UNIT 1 AND 2 CONDENSATE STORAGE TANK CROSS TIE 8 AIR OPERATED SHUTOFF VALVE	TURBINE	591.00	AUX FEED PUMP E HALLWAY, 5' SE OF THE TURBINE DRIVEN AFW PUMP RM, 2' NW OF COLUMN #H-13, 4' ABOVE THE FLR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
40	7	12-SV-217	0	REACTOR NITROGEN / REACTOR PLANT NITROGEN BULK STORAGE TANKS SAFETY VALVE	GROUND	609.00	REACTOR GAS BOTTLE STORAGE AREA, 45 FEET NORTHWEST OF THE AUX 609 CRANE BAY ROLLUP DOOR, BETWEEN REACTOR NITROGEN STORAGE TANKS #12-TK-207-3 AND	650.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
41	8	1-IMO-210	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE SHUTOFF 10 MOTOR OPERATED VALVE	AUXILIARY	573.00	E CONT SPRAY PUMP RM, IN THE SW REGN OF RM, 7' SW OF E CONT. SPRAY PUMP, 4' ABOVE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
42	8	1-IMO-211	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE SHUTOFF 10 MOTOR OPERATED VALVE	AUXILIARY	573.00	E CONT SPRAY PUMP RM, IN THE SW REGN OF RM, 7' SW OF E CONT. SPRAY PUMP, 4' ABOVE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
43	8	1-IMO-212	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR 2 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PUMP RM, IN THE MIDDLE S PART OF RM, 3' SW OF E CONT. SPRAY PUMP, 3' ABOVE THE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
44	8	1-IMO-215	0	CONTAINMENT SPRAY / RWST TO EAST CONTAINMENT SPRAY PUMP PP-9E SUCTION 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PUMP RM, IN THE NE PART OF THE RM, 8' N OF E CONT. SPRAY PUMP, ON THE 577 EL. PLATFORM.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	8	1-IMO-220	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PUMP RM, IN THE S PART OF RM, 5' SE OF W CONT. SPRAY PUMP, 4' ABOVE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	8	1-IMO-221	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PUMP RM, IN THE S PART OF RM, 6' SE OF W SPRAY PUMP, 4' ABOVE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

Gunnar Harstead
Print or Type Name

Signature

Date

12/13/95

Gunnar Harstead 12/12/95

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
47	8	1-IMO-222	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF 2 MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PUMP RM, IN THE MIDDLE NE PART OF THE RM, 4' E OF W CONT. SPRAY PUMP, 4' ABOVE FLR.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	8	1-IMO-225	0	CONTAINMENT SPRAY / RWST TO WEST CONTAINMENT SPRAY PUMP PP-9W SUCTION 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PUMP RM, IN THE NW CORNER OF RM, 8' N OF W CONT. SPRAY PUMP, ON THE 577 EL. PLATFORM.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	8	1-IMO-310	0	RHR / EAST RHR PUMP PP-3SE SUCTION SHUTOFF 14 MOTOR OPERATED VALVE	AUXILIARY	573.00	E RHR PUMP RM, IN THE NW CORNER OF THE RM, 14' N OF E RHR PUMP, 2' ABOVE 577 EL. PLATFORM.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	8	1-IMO-320	0	RHR / WEST RHR PUMP PP-3SW SUCTION SHUTOFF 14 MOTOR OPERATED VALVE	AUXILIARY	573.00	WRHR PUMP RM, IN THE NE PART OF THE RM, NEAR THE MIDDLE OF THE N WALL, ON THE 577 EL. PLATFORM.,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	8	1-MCM-221	0	MAIN STEAM / MAIN STEAM LEAD 2 TO AUX FEED PUMP TURBINE 4 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 5' NE OF STEAM STOP VLV #1-MRV-220, ON 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	8	1-MCM-231	0	MAIN STEAM / MAIN STEAM LEAD 3 TO AUX FEED PUMP TURBINE 4 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 4' SE OF STEAM STOP VALVE 1-MRV-230, ON 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	8	1-MMO-220	0	MAIN STEAM / STEAM STOP VALVE MRV-220 STEAM CYLINDER DUMP 4 MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 3' S OF STEAM STOP VALVE 1-MRV-220, ON 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No
54	8	1-MMO-230	0	MAIN STEAM / STEAM STOP VALVE MRV-230 STEAM CYLINDER DUMP VALVES 4 MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 3' NW OF STEAM STOP VALVE 1-MRV-230, ON 640 EL. PLATFORM.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No
55	8	1-QT-506	0	MAIN STEAM / TURBINE DRIV AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, 3' NW OF TDAFWP #1-OME-39, 6' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	8	1-WMO-701	0	ESW / EAST ESW PUMP PP-7E DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	E ESW PUMP RM,	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	8	1-WMO-702	0	ESW / WEST ESW PUMP PP-7W DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	W ESW PUMP RM,	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	8	1-WMO-705	0	ESW / WEST ESW SUPPLY HEADER CROSSTIE TO UNIT 2 20 MOTOR OPERATED SHUTOFF VALVE	TURBINE	569.00	ESW PIPE TUNNEL,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
59	8	1-WMO-707	0	ESW / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 2 20 MOTOR OPERATED SHUTOFF VALVE	TURBINE	569.00	ESW PIPE TUNNEL, 25' SE. OF MIDDLE WATERTIGHT DOOR, 5' ABOVE FLR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	8	1-WMO-744	0	AFW / ESW TO WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W SHUTOFF 4 MOTOR OPERATED VALVE	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, 3' SE OF WMDAFWPP, 2' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

Gunnar Harstead
Print or Type Name


Signature

12/12/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
61	8	1-WMO-753	0	AFW / (ESW TO TURB DRIV AUX FEED PUMP PP-4) SHUTOFF 6 MOTOR OPERATED VALVE	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN THE NW PART OF THE RM, 2' S OF THE N WALL, 6' N OF THE AFW PP TURBINE 1-OME-39, 4' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
62	8	1-WMO-754	0	AFW / (ESW TO EAST MOTOR DRIV AUX FEED PUMP) SHUTOFF 4 MOTOR OPERATED VALVE	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE MIDDLE N PART OF THE RM, ON THE N WALL, 7' N OF THE E MDAFWPP, 3' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

Gunnar Harstead
Print or Type Name


Signature

12/12/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	1-TK-253-1	0	CONTROL AIR / PRESSURIZER TR B PRESSURE RELIEF VALVE NRV-152 RESERVE CONTROL AIR TANK	CONTAINMENT	612.00	LOWER CONT QD #4, AZ:275, 1' BELOW THE PRESSURIZER DECK	612.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	0	1-TK-253-2	0	CONTROL AIR / PRZ TR A PRESSURE RELIEF VALVE NRV-153 RESERVE CONTROL AIR TANK	CONTAINMENT	612.00	LOWER CONT QD #4, AZ:275, 1' BELOW THE PRZ DECK	612.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	0	1-TK-253-3	0	CONTROL AIR / PRESSURIZER TR B PRESSURE RELIEF VALVE NRV-152 EMERG. AIR TANK	CONTAINMENT	650.00	UPPER CONT, ON THE REACTOR SIDE OF THE PRESSURIZER ENCLOSURE, 5' ABOVE THE FLR.	650.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	0	1-TK-253-4	0	CONTROL AIR / PRESSURIZER TR A PRESSURE RELIEF VALVE NRV-153 EMERG AIR TANK	CONTAINMENT	650.00	UPPER CONT, ON THE REACTOR SIDE OF THE PRESSURIZER ENCLOSURE	650.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	7	1-IRV-112	0	NITROGEN (REACTOR PL / ACCUMULATOR TANK OME-6-1 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA, No photo. OK ON CRANEWALL SIDE OF ACCUMULATOR TANK #1-OME-6-1, 3' ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	1-IRV-116	0	RHR / ACCUMULATOR TANK OME-6-1 1 AIR OPERATED OUTLET TO REACTOR COOLANT LOOP #1 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS QUAD 1, AZ: 030, D2, F2. OK ON THE CRANEWALL SIDE OF THE WALKWAY, 14 FT FROM COLUMN # 4, 6 FT ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	7	1-IRV-122	0	NITROGEN (REACTOR PL / ACCUMULATOR TANK OME-6-2 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #2 AREA, ON CRANEWALL SIDE OF WALKWAY, AT BASE OF ACCUMULATOR TANK #1-OME-6-2, 10' FROM COLUMN #24, 3' ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	7	1-IRV-126	0	RHR / ACCUMULATOR TANK OME-6-2 0.75 AIR OPERATED OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 2 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ: 150, ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FT FROM COLUMN # 23, 7 FT ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	7	1-IRV-132	0	NITROGEN (REACTOR PL / ACCUMULATOR TANK OME-6-3 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA, ON CRANEWALL SIDE OF WALKWAY, 3' FROM ACCUMULATOR TANK #1-OME-6-3, 3' ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	7	1-IRV-136	0	RHR / ACCUMULATOR TANK OME-6-3 OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 3 COLD LEG 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	598.00	ANNULUS QUAD 3, AZ: 219, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR COLUMN #17, 3 FT ABOVE THE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
11	7	1-IRV-142	0	NITROGEN (REACTOR PL / ACCUMULATOR TANK OME-6-4 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA, ON CONT WALL SIDE OF ACCUMULATOR TANK #1-OME-6-4, 3' FROM COLUMN #9, NEAR FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	7	1-IRV-146	0	RHR / ACCUMULATOR TANK OME-6-4 1 AIR OPERATED OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 4 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS QUAD 4, AZ: 320, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR COLUMN # 4, 3 FT ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
13	7	1-IRV-147	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM, ON THE CONT WALL SIDE OF THE WALKWAY, 3 FT FROM CL # 26, 2 FT ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
14	7	1-IRV-148	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM, ON THE CONT WALL SIDE OF THE WALKWAY, NEAR THE STAIRWAY, IN A CORNER, 2 FT ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
15	7	1-IRV-149	0	RHR / WEST RHR TO REACTOR COOLANT LOOPS 2 AND 3 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM, ON THE CONT WALL SIDE OF THE WALKWAY, 1 FT FROM COLUMN #26, 2 FT ABOVE THE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
16	7	1-IRV-150	0	RHR / EAST RHR TO REACTOR COOLANT LOOPS 1 AND 4 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM, ON THE CONT WALL SIDE OF THE WALKWAY, IN A CORNER, NEAR THE STAIRWAY, 2 FT ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
17	7	1-IRV-50	0	BORON INJECTION / BORON INJECTION TO ACCUMULATOR FILL LINE 1 AIR OPERATED CONTROL VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ:121, ON THE CONT WALL SIDE OF THE WALKWAY, NEAR COLUMN 26, 1' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
18	7	1-IRV-60	0	SAFETY INJECTION / SAFETY INJECTION TO ACCUMULATOR FILL LINE 1 AIR OPERATED CONTROL VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ:155, ON THE CONT WALL SIDE OF THE WALKWAY, NEAR COLUMN 26, 1' ABOVE THE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
19	7	1-MRV-151	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 STEAM SAMPLE MSX-101 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM COLUMN 6, 2' ABOVE THE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
20	7	1-MRV-152	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 STEAM SAMPLE MSX-102 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM, ON THE CRANEWALL SIDE OF THE WALKWAY, 15' FROM COLUMN 21, 1' ABOVE THE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
21	7	1-MRV-153	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 STEAM SAMPLE MSX-103 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM, ON THE CRANEWALL SIDE OF THE WALKWAY, 15' FROM COLUMN 21, 1' ABOVE THE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
22	7	1-MRV-154	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 STEAM SAMPLE MSX-104 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM COLUMN 6, 2' ABOVE THE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
23	7	1-NRV-101	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP 1 HOT LEG SAMPLE NSX-101 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS QUAD 1, AZ 016, ON CONT WALL SIDE OF WALKWAY, 2' FROM COL. 5, 8' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
24	7	1-NRV-102	0	NUCLEAR SAMPLING / PRESSURIZER LIQUID SPACE SAMPLE NSX-102 0.5 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM, 6' ABOVE LOWER CONT ENTRANCE DOOR, ON A LEDGE, E OF SEAL TABLE.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
25	7	1-NRV-103	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP 3 HOT LEG SAMPLE NSV-103 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS QUAD 3, AZ:210, ON CONT WALL SIDE OF WALKWAY, BY COLUMN 19, 8' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
26	7	1-NRV-104	0	NUCLEAR SAMPLING / PRESSURIZER STEAM SPACE SAMPLE NSX-104 0.5 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM, 6' ABOVE LOWER CONT ENTRANCE DOOR, ON A LEDGE, E OF THE SEAL TABLE.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
27	7	1-NRV-151	0	PRESSURIZER / PRESSURIZER 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN PRZ ENCLOSURE, ON THE 686 EL PLATFORM, 2' ABOVE GRATING	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
28	7	1-NRV-152	0	PRESSURIZER / PRESSURIZER 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN PRZ ENCLOSURE, ON THE 686 EL PLATFORM, 2' ABOVE GRATING	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
29	7	1-NRV-153	0	PRESSURIZER / PRESSURIZER 'A' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN PRZ ENCLOSURE, ON THE 686 EL PLATFORM, NEAR ACCESS LADDER, 2' ABOVE GRATING	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
30	7	1-NRV-163	0	REACTOR COOLANT / REACTOR COOLANT LOOP 3 TO PRESSURIZER 4 AIR OPERATED LVE	CONTAINMENT	612.00	LOWER CONT QUAD 3, AZ 270, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR RCP #3, 2' ABOVE 612' EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
31	7	1-NRV-164	0	REACTOR COOLANT / REACTOR COOLANT LOOP 4 TO PRESSURIZER SPRAY 4 AIR OPERATED CONTROL VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 3, AZ 270, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR RCP #3, 2' ABOVE 612' EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
32	7	1-QRV-10	0	REACTOR COOLANT PUMP / RCP 1 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT QUAD 1, AZ 055, ON THE CRANEWALL SIDE OF THE WALKWAY, 2' ABOVE THE 617 EL PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
33	7	1-QRV-111	0	CVCS / REACTOR COOLANT NORMAL LETDOWN TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 4, AZ 290, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM THE LOWER CONT. 612 AIRLOCK CRANEWALL DR, ABOVE RCP #4, ON THE 612 EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
34	7	1-QRV-112	0	CVCS / REACTOR COOLANT NORMAL LETDOWN TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 4, AZ 290, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM THE LOWER CONT. 612 AIRLOCK CRANEWALL DR, ABOVE RCP #4, ON THE 612 EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
35	7	1-QRV-113	0	CVCS / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 4, AZ 290, ON CRANEWALL SIDE OF THE WALKWAY, 10' FROM THE LOWER CONTNMENT 612 AIRLOCK CRANEWALL ENTERANCE DR, ABOVE RCP#4, ON THE 612 ELEV PLTRFM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
36	7	1-QRV-114	0	CVCS / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONTIANMENT QUAD 4, AZ 290, ON CRANEWALL SIDE OF THE WALKWAY, 10' FROM LOWER CONTNMENT 612 AIRLOCK CRANEWALL ENTERANCE DR, ABOVE RCP#4, ON THE 612 ELEV PLTRFM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
37	7	1-QRV-150	0	REACTOR COOLANT PUMP / REACTOR COOLANT PUMPS STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTER QC-109 0.75 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ 153, ON THE CRANEWALL SIDE OF WALKWAY, NEAR COLUMN #23, 4' ABOVE THE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
38	7	1-QRV-20	0	REACTOR COOLANT PUMP / RCP 2 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT QUAD 2, AZ 125, ON THE CRANEWALL SIDE OF RCP #3 ON THE 617 EL PLATFORM, 2' ABOVE THE GRATING	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
39	7	1-QRV-30	0	REACTOR COOLANT PUMP / RCP 3 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 3, AZ 240, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR RCP #3, 1' ABOVE 612 EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
40	7	1-QRV-40	0	REACTOR COOLANT PUMP / RCP 4 SEAL 1 LEAKOFF TO RCP RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT QUAD 4, AZ 330, NEAR RCP #4 SEAL & THE CRANEWALL, AT THE PUMP, 2' ABOVE THE 612 EL PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
41	7	1-SV-45A	0	/ SAFETY RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
42	7	1-SV-45B	0	/ SAFETY RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
43	7	1-SV-45C	0	/ SAFETY RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
44	7	1-SV-50	0	/ SAFETY RELIEF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD 3	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	7	1-SV-51	0	/ SAFETY RELIEF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD 4	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	7	1-SV-64	0	CCW / EXCESS LETDOWN HEAT EXCHANGER HE-13 CCW OUTLET SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD3	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	8	1-ICM-111	0	RHR / RHR TO REACTOR COOLANT LOOPS 2 AND 3 COLD LEGS CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2 AZ:126, ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET FROM COLUMN #25, 5 FEET ABOVE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	8	1-ICM-129	0	RHR / REACTOR COOLANT LOOP 2 HOT LEG TO RHR PUMPS SUCTION CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ: 135, ON CRANEWALL SIDE OF WALKWAY, 10FT FROM COLUMN #24, 6FT. ABOVE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	8	1-IMO-128	0	RHR / REACTOR COOLANT LOOP 2 HOT LEG TO RHR PUMPS SUCTION SHUTOFF VALVE	CONTAINMENT	598.00	LOWER CONT QUAD 2, ON PLATFORM AT LOOP 2 HOTLEG, UNDERNEATH SG #2, COL BETWEEN SG AND SHIELD WALL, AT 608 EL.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	8	1-IMO-315	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM, 8 FEET FROM CONT LOWER COMPARTMENT OD #4 VENTILATION UNIT #1-HV-CLV-4, 10 FEET FROM COL# 7, 5 FEET ABOVE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

DC CO T 1
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-MRV-310	0	RHR / EAST RHR HEAT EXCHANGER HE-17E 8 AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN THE SE REGN OF THE RM, 7' SE OF E RHR HEAT EXCHANGER, 1' ABOVE 615 EL. PLATFORM.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
2	7	1-MRV-311	0	RHR / RHR HEAT EXCHANGERS BYPASS FLOW 8 AIR OPERATED CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN THE SW REGN OF THE RM, 10' SW OF E RHR HEAT EXCHANGER, 3' ABOVE 615 EL. PLATFORM.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	1-MRV-320	0	RHR / WEST RHR HEAT EXCHANGER HE-17W 8 AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, IN THE SE REGN OF RM, 3' SE OF W RHR HEAT EXCHANGER, 1' ABOVE THE 615 EL. PLATFORM.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	7	1-MRV-211	0	MAIN STEAM / STEAM GENERATOR 1 STOP VALVE MRV-210 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN SW REGN OF RM, 6' S OF STEAM STOP VALVE 1-MRV-210, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	1-MRV-212	0	MAIN STEAM / STEAM GENERATOR 1 STOP VALVE MRV-212 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE SW REGN OF THE RM, 4' SW OF STEAM STOP VALVE 1-MRV-210, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	1-MRV-213	0	MAIN STEAM / STEAM GENERATOR OME-3-1 PORV	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE SW REGN OF THE RM, 4' W OF STEAM STOP VALVE 1-MRV-210, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	7	1-MRV-241	0	MAIN STEAM / STEAM GENERATOR 4 STOP VALVE MRV-240 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE NW REGN OF THE RM, 5' N OF STEAM STOP VALVE 1-MRV-240, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
8	7	1-MRV-242	0	MAIN STEAM / STEAM GENERATOR 4 STOP VALVE MRV-240 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE NW REGN OF THE RM, 3' NW OF STEAM STOP VALVE 1-MRV-240, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
9	7	1-MRV-243	0	MAIN STEAM / STEAM GENERATOR OME-3-4 PORV	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE NW REGN OF THE RM, 3' W OF STEAM STOP VALVE 1-MRV-240, 6' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
10	7	1-SV-104E	0	RESIDUAL HEAT REMOVA / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET SAFETY VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM, IN THE NE CORNER OF THE RM, 6 FT NE OF EAST RHR HEAT EXCHANGER #1-HE-17E, 2 FT ABOVE THE GRATING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
11	7	1-SV-104W	0	RESIDUAL HEAT REMOVA / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET SAFETY VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM, 5 FT NE OF THE WEST RHR HEAT EXCHANGER	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
12	7	1-SV-14E	0	ESW / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E SIDE SAFETY VALVE	AUXILIARY	609.00	E CONT SPRAY HEAT XCHGR RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
13	7	1-SV-14W	0	ESW / WEST CONTAINMENT SPRAY HEAT EXCHANGER HE-18W SIDE SAFETY VALVE	AUXILIARY	609.00	W CONT SPRAY HEAT XCHGR RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
14	7	1-SV-15E	0	ESSENTIAL SERVICE WA / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	HALLWAY, ON SE CORNER OF UNIT 1 EAST CCW HEAT EXCHANGER #1-HE-15E	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/19/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
15	7	1-SV-15W	0	ESSENTIAL SERVICE WA / WEST COMPONENT COOLING WATER HEAT EXCHANGER HE-15W TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	HALLWAY, ON SE CORNER OF WEST UNIT 1 CCW HEAT EXCHANGER #1-HE-15W	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
16	7	1-SV-1A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1A	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
17	7	1-SV-1A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 1A	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
18	7	1-SV-1B-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
19	7	1-SV-1B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
20	7	1-SV-2A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
21	7	1-SV-2A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL, 6 FT NORTH OF STEAM STOP VLV #1-MRV-240, OFF THE 640 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
22	7	1-SV-2B-1	0	MAIN STEAM / STEAM OME-3-1 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
23	7	1-SV-2B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
24	7	1-SV-3-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 3	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
25	7	1-SV-3-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 3	AUXILIARY	633.00	E MAIN STM STOP ENCL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
26	7	1-SV-68	0	CCW /	AUXILIARY	609.00	609 HALLWAY	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
27	7	1-SV-71	0	CCW / NORTH SPENT FUEL PIT HTX 12-HE-16N CCW OUTLET SAFETY VALVE	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM. AT THE EAST END OF THE NORTH SPENT FUEL PIT HTX #12-HE-16N, 12 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
28	7	1-SV-72E	0	COMPONENT COOLING WA / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	609.00	HALLWAY, 25 FT NW OF THE CVCS DEMINERALIZERS CENTRAL HALLWAY 7 FT ABOVE THE 621 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
29	7	1-SV-97	0	BORON INJECTION / BORON INJECTION TANK TK-11 OUTLET SAFETY VALVE	AUXILIARY	612.00	BORON INJ TANK RM, 5 FT SE OF THE BORON INJECTION TANK, IN SE CORNER OF THE RM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand. Basis	Cap > Demand?	Caveats OK?	OK?	Interact OK?	Equip OK?
1	7	1-QRV-400	0	CVCS / NORTH BORIC ACID BLENDER QP-21 2 AIR OPERATED TO CVCS CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	609.00	VOLUME CONTROL TANK E HALLWAY, ON THE E SIDE OF THE VCT SHIELD WALL, ON THE W WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
2	7	1-QRV-451	0	BORON MAKEUP (CVCS) / NORTH BORIC ACID BLENDER QP-21 TO REACTOR COOLANT LETDOWN VOLUME CONTROL TANK SHUTOFF VALVE	AUXILIARY	609.00	VOLUME CONTROL TANK E HALLWAY, IN MIDDLE W REGN OF RM, ON THE 618 EL PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	1-SV-54	0	CVCS / REACTOR COOLANT PUMP SEAL WATER HEAT EXCHANGER HE-11 SAFETY VALVE	AUXILIARY	609.00	SEAL WTR HEAT XCHGR RM, 8 FT EAST OF REACTOR COOLANT PUMP SEAL WATER HEAT EXCHANGER #1-HE-11, 7 FT ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	8	1-QMO-451	0	CVCS / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CHARGING PUMP 'A' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	609.00	VOLUME CONTROL TANK E HALLWAY, AT THE S END OF THE HALLWAY, ON THE W WALL, 3' ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	8	1-QMO-452	0	CVCS / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CHARGING PUMP 'B' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	609.00	VOLUME CONTROL TANK E HALLWAY, IN THE MIDDLE OF THE W SIDE OF THE HALLWAY, 1' ABOVE THE FLR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	8	1-WMO-721	0	ESW / WEST ESW SUPPLY HEADER TO AB EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM, S Pipe Tunnel,	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	8	1-WMO-723	0	ESW / EAST ESW SUPPLY HEADER TO AB EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM, S Pipe Tunnel,	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	8	1-WMO-725	0	ESW / EAST ESW SUPPLY HEADER TO CD EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM, S Pipe Tunnel, 20' E OF THE HALLWAY DOOR, ON THE N WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	8	1-WMO-727	0	ESW / WEST ESW SUPPLY HEADER TO CD EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM, S Pipe Tunnel, 25' E OF THE HALLWAY DOOR, ON THE N WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

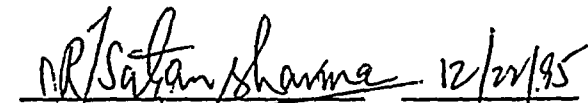
Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/22/95
Date



5

3

11

11

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
30	7	12-SV-69N	0	CCW /	AUXILIARY	609.00	609 HALLWAY	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
31	7	12-SV-69S	0	CCW /	AUXILIARY	609.00	609 HALLWAY	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
32	8	1-CMO-410	0	CCW / EAST CCW TO HEAT EXCHANGER HE-15E CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
33	8	1-CMO-411	0	CCW / CCW PUMPS SUCTION CROSSTIE HEADER 'A' 18 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
34	8	1-CMO-412	0	CCW / CCW PUMPS DISCHARGE CROSSTIE HEADER 'A' 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
35	8	1-CMO-413	0	CCW / CCW PUMPS SUCTION CROSSTIE HEADER 'B' 18 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
36	8	1-CMO-414	0	CCW / CCW PUMPS DISCHARGE CROSSTIE HEADER 'A' 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
37	8	1-CMO-415	0	CCW / CCW TO MISCELLANEOUS SERVICE HEADER 'A' 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
38	8	1-CMO-416	0	CCW / CCW TO MISCELLANEOUS SERVICE HEADER 'B' 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
39	8	1-CMO-419	0	CCW / EAST RHR HEAT EXCHANGER HE-17E CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
40	8	1-CMO-420	0	CCW / WEST CCW TO HEAT EXCHANGER HE-15W CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
41	8	1-FMO-211	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-1 4 INCH MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, 20' S OF RM'S ENTRANCE DOOR, 1' N OF A CEMENT COLUMN, 3' ABOVE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
42	8	1-FMO-212	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W SUPPLY TO STEAM GENERATOR OME-3-1 4 INCH MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, 25' S OF RM'S ENTRANCE DOOR, NEAR A CEMENT COLUMN, 3' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
43	8	1-FMO-241	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-4 4 INCH MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, 8' S OF THE RM'S ENTRANCE DOOR, 1' N OF A CEMENT COLUMN, 3' ABOVE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Buildng.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
44	8	1-FMO-242	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEED PUMP PP-3W SUPPLY TO STEAM GENERATOR 3-4 4 INCH MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, 12' S OF THE RMS ENTRANCE DOOR, 3' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
45	8	1-ICM-250	0	BORON INJECTION / BORON INJECTION TANK A CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJECTION TANK RM, IN THE CENTER OF THE RM, 4' ABOVE THE FLR.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
46	8	1-ICM-251	0	BORON INJECTION / BORON INJECTION TANK 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJECTION TANK RM, IN THE CENTER OF THE RM, 4' ABOVE THE FLR.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
47	8	1-ICM-311	0	RHR / EAST RHR TO REACTOR COOLANT LOOPS 1 AND 4 HOT LEGS CONTAINMENT ISOLATION 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, 6' NE OF E RHR HEAT EXCHANGER, NEAR THE N WALL, 5' ABOVE THE GRATING.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	8	1-ICM-321	0	RHR / WEST RHR TO REACTOR COOLANT LOOPS 2 AND 3 HOT LEGS CONTAINMENT ISOLATION 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, 4' N OF W RHR HEAT EXCHANGER, NEAR THE N WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	8	1-IMO-255	0	BORON INJECTION / BORON INJECTION TANK 'A' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJECTION TANK RM, 3' S OF BORON INJECTION TANK, 4' ABOVE THE FLR.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
50	8	1-IMO-256	0	BORON INJECTION / BORON INJECTION TANK 'B' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJECTION TANK RM, 3' S OF BORON INJECTION TANK 1-TK-11, 4' ABOVE FLR.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
51	8	1-IMO-314	0	RHR / EAST RHR PUMP PP-35E DISCHARGE CROSSTIE SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN THE MIDDLE OF THE S PART OF RM, 10' S OF E RHR HEAT EXCHANGER, 1' ABOVE GRATING.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
52	8	1-IMO-324	0	RHR / WEST RHR PUMP PP-35W DISCHARGE CROSSTIE SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, IN THE SE PART OF THE RM, 6' S OF W RHR HEAT EXCHANGER, 5' ABOVE GRATING.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
53	8	1-IMO-340	0	RHR / EAST RHR HEAT EXCHANGER TO CHARGING PUMPS SUCTION SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN THE MIDDLE OF THE S PART OF THE RM, 7 FT S OF E RHR HE # 1-HE-17E, 1 FT ABOVE GRATING.	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
54	8	1-MMO-210	0	MAIN STEAM / STEAM STOP VALVE MRV-210 STEAM CYLINDER DUMP 4 MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, 3' SE OF STEAM STOP VALVE 1-MRV-210, 2' ABOVE THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
55	8	1-MMO-240	0	MAIN STEAM / STEAM STOP VALVE MRV-240 STEAM CYLINDER DUMP VALVE 4 MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE N PART OF RM, 3' NE OF STEAM STOP VALVE 1-MRV-240, ON THE 640 EL. PLATFORM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
56	8	1-WMO-713	0	ESW / EAST CONTAINMENT SPRAY HEAT EXCHANGER ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
57	8	1-WMO-717	0	ESW / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
58	8	1-WMO-731	0	ESW / EAST CCW HEAT EXCHANGER HE-15E ESW INLET 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
59	8	1-WMO-733	0	ESW / EAST CCW HEAT EXCHANGER HE 15E ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
60	8	1-WMO-735	0	ESW / WEST CCW HEAT EXCHANGER HE-15W ESW INLET 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
61	8	1-WMO-737	0	ESW / WEST CCW HEAT EXCHANGER HE-15W ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	HALLWAY,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	8	1-IMO-312	0	RHR / EAST RHR HEAT EXCHANGER HE-17E OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN THE SE PART OF RM, 5 FEET SE OF E RHR HE # 1-HE-17E, 6 FEET ABOVE THE GRATING	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	8	1-IMO-322	0	RHR / WEST RHR HEAT EXCHANGER HE-17W OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, 3 FEET SE OF W RHR HE # 1-HE-17W 5 FEET ABOVE PLATFORM GRATING, NEAR THE E WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	8	1-IMO-330	0	RHR / EAST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, 8 FT NE OF E RHR HE # 1-HE-17E, NEAR ES WALL, 3 FT ABOVE THE 615 EL PLATFORM	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	8	1-IMO-331	0	RHR / WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, 5 FT NE OF THE WRHR HE # 1-HE-17W, NEAR E WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	8	1-IMO-350	0	RHR / WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION PUMP SUCTION SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT EXCHANGER RM, IN THE NE PART OF THE RM, 2 FT NW OF W RHR HE # 1-HE-17W, NEAR THE W WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	18	1-IFI-335	0	RHR / RHR TO REACTOR COOLANT LOOPS 2 AND 3 COLD LEGS FLOW INDICATING TRANSMITTER	AUXILIARY	591.00	VESTIBULE, 5FT S OF VESTIBULE DOORWAY, ON N WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	19	1-TR-335	0	RHR / RHR TO REACTOR COOLANT LOOP 2 AND 3 COLD LEGS TEMP RECORDER THERMAL SENSOR	AUXILIARY	609.00	E RHR HEAT EXCHANGER RM, IN NE PART OF THE RM, 5FT NE OF E RHR HE #1-HE-17E, 5FT BELOW THE 615 EL PLATFORM	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	20	1-ARA-2	0	/ REACTOR PROTECTION TRAIN A AUX RELAY CABINET #2	AUXILIARY	633.00	CONTROL RM, REAR SIDE OF MAIN FEED PUMPS CONTROL PANEL # 1-FP, N OF 250 VDC VALVE DISTRUBUTION PANEL # 1-VDAB-2	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	1-ARB-2	0	/ REACTOR PROTECTION TRAIN B AUXILIARY RELAY CABINET#2	AUXILIARY	633.00	CONTROL RM, MIDDLE S REGN OF THE RM, ON THE REAR SIDE OF RADIATION MONITORING SYSTEM RACK I PANEL 1-RMS-I	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	1-BA	0	/ BORIC ACID CHARGING & LETDOWN CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, NW PART OF THE RM, 15 FEET NW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
11	20	1-CAS	0	/ CONTAINMENT AUXILIARIES SUBPANEL (VENTILATION)	AUXILIARY	633.00	HALLWAY, N END OF THE HALLWAY, 115 FEET SW OF THE AUXILIARY BUILDING VENTILATION EXHAUST UNITS.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	20	1-GR-1	0	/ GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #1	AUXILIARY	633.00	CONTROL RM, IN THE SE REGN OF THE RM, ON REAR SIDE OF MAIN GENERATOR CONTROL PANEL # 1-G	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	1-RHR	0	/ RESIDUAL HEAT REMOVAL CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, 14 FEET NW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	1-RPS-A	0	/ REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNOR OF THE RM, IN FRONT OF THE CONTROL RM E REAR RACK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	No	No
15	20	1-RPS-B	0	/ REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B CABINET	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE S REGN OF THE RM, ON THE REAR SIDE OF MOVABLE INCORE INSTRUMENTATION PANEL #1-MFX	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
16	20	1-SIS	0	/ SAFETY INJECTION CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, NW PART OF THE RM, 13 FT W OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	20	1-SPY	0	/ CONTAINMENT SPRAY CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, NW PART OF THE RM 14 FEET SW OF UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

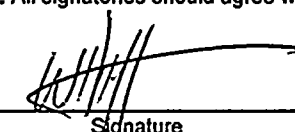
Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/16/95
Date

Walter Djordjevic
Print or Type Name


Signature

12/14/95
Date



3

3

3

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
51	8	1-IMO-316	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 COLD LEGS SHUTOFF 8 MOTOR OPERATED VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM, 8' FROM CONT LOWER COMPARTMENT #4 VENTILATION UNIT 1-HV-CLV-4, 4' FROM COLUMN 7, 5' ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	8	1-IMO-325	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM, NEAR THE CRANEWALL SIDE OF WALKWAY, 5 FEET FROM COL # 21, 3FT. FROM CONT. LOWER VENT UNIT 1-HV-CLV-3, 5 FT. ABOVE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	8	1-IMO-326	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 COLD LEGS SHUTOFF 8 MOTOR OPERATED VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM, NEAR THE CONT WALL SIDE OF THE WALKWAY, 5' FROM COLUMN 21, 3' FROM CONT LOWER VENTILATION UNIT 1-HV-CLV-3, 5' ABOVE FLR.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	8	1-IMO-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 1 SHUTOFF 1.5 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS QUADRANT 1, AZ-050, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM COLUMN 2, 4' ABOVE THE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
55	8	1-IMO-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 2 SHUTOFF 1.5 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ:119, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM COLUMN 23, 4' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	8	1-IMO-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOUP 3 SHUTOFF 1.5 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS QUAD 3, AZ:200, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR COLUMN 19, 5' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	8	1-IMO-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 4 SHUTOFF 1.5 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS QUADRANT 4, AZ:325, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' ABOVE COLUMN 4, 5' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	8	1-NMO-151	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-151 UPSTREAM 3 MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, ON THE 686 EL PLATFORM, 3' ABOVE GRATING	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Unk	N/A	Yes	No
59	8	1-NMO-152	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-152 UPSTREAM 3 MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, ON THE 686 EL PLATFORM, 3' ABOVE GRATING	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Unk	N/A	Yes	No
60	8	1-NMO-153	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-153 3 MOTOR OPERATED UPSTREAM SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, ON THE 686 EL PLATFORM, NEAR THE ACCESS LADDER, 3' ABOVE GRATING	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Unk	N/A	Yes	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
61	8	1-NSO-61	0	REACTOR COOLANT SYST / PRESSURIZER OME-4 POST-ACCIDENT VENT 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRZ ENCLOSURE, ON THE 679 EL PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
62	8	1-NSO-62	0	REACTOR COOLANT SYST / PRESSURIZER OME-4 POST-ACCIDENT VENT 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRZ ENCLOSURE, ON THE 679 EL PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
63	8	1-NSO-63	0	REACTOR COOLANT SYST / PRESSURIZER OME-4 POST-ACCIDENT VENT 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRZ ENCLOSURE, ON THE 679 EL PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
64	8	1-NSO-64	0	REACTOR COOLANT SYST / PRESSURIZER OME-4 POST-ACCIDENT VENT 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRZ ENCLOSURE, ON THE 679 EL PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
65	8	1-QCM-250	0	REACTOR COOLANT PUMP / RCP SEAT WATER RETURN 'A' CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS QUAD 2, AZ 149, ON THE CRANEWALL SIDE OF THE WALKWAY, 10' FROM COLUMN #23, 4' ABOVE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
66	8	1-XSO-505	0	CONTROL AIR / PRESSURIZER TRAIN B PRESSURE RELIEF VALVE NRV-152 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRESSURIZER ENCLOSURE, AT THE 686 EL. PLATFORM.	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Unk	N/A	Yes	Yes
67	8	1-XSO-507	0	CONTROL AIR / PRESSURIZER TR A PRESSURE RELIEF VALVE NRV-153 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCLOSURE INTERIOR, IN THE PRESSURIZER ENCLOSURE, AT THE 686 EL. PLATFORM.	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Unk	N/A	Yes	Yes
68	9	1-HV-CEQ-1	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN 1	CONTAINMENT	625.00	HV-CEQ-1 FAN RM, CEQ FANS ARE NEEDED FOR ACCIDENTS AND WILL NOT BE ACTIVATED DUE TO SEISMIC EVENT. FOR ANCHORAGE ONLY.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
69	9	1-HV-CEQ-2	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN 2	CONTAINMENT	625.00	HV-CEQ-2 FAN RM, CEQ FANS ARE NEEDED FOR ACCIDENTS AND WILL NOT BE ACTIVATED DUE TO A SEISMIC EVENT. FOR ANCHORAGE ONLY.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
70	18	1-BLI-110	0	STEAM GENERATING / STEAM GENERATOR OME-3-1 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	614.00	ANNULUS, QD #1, AZ-020, ON THE CONT WALL SIDE OF THE WALKWAY, NEAR COLUMN #5.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
71	18	1-BLI-120	0	STEAM GENERATING / STEAM GENERATOR OME-3-2 WIDE RANGE LEVEL TRANSMITTER	CONTAINMENT	614.00	ANNULUS, QD #2, AZ:130, ON THE CRANEWALL SIDE OF THE WALKWAY.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
72	18	1-BLI-130	0	STEAM GENERATING / STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	614.00	ANNULUS, QD #3, AZ:190, ON THE CRANEWALL SIDE OF THE WALKWAY, ACROSS FROM COLUMN #20.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
73	18	1-BLI-140	0	STEAM GENERATING / STEAM GENERATOR OME-3-4 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	614.00	ANNULUS, QD #4, AZ:334, ON THE CONT WALL SIDE OF THE WALKWAY, NEAR COLUMN #8.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
74	18	1-IFI-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QD#1, AZ:050, ON THE CRANEWALL SIDE OF THE WALKWAY, ACROSS FROM COLUMN 2, 6' ABOVE FLR. INST DWG 1-5570B, 1-5571.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
75	18	1-IFI-52	0	BORON INJECTION / BORON INJECTION TO RC LOOP #2 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QD#2, AZ:155, ON THE CRANEWALL SIDE OF THE WALKWAY. INST DWG 1-5570C, 1-5571A	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
76	18	1-IFI-53	0	BORON INJECTION / BORON INJECTION TO RC LOOP #3 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QD#3, AZ:213, ON THE CRANEWALL SIDE OF THE WALKWAY, NEAR COLUMN 18. INST DWG 1-5570D, 1-5571B.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
77	18	1-IFI-54	0	BORON INJECTION / BORON INJECTION TO RC LOOP #4 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QD #4, AZ:337, ON THE CONT WALL SIDE OF WALKWAY, NEAR COLUMN 8. INST DWG 1-5570E, 1-5571C.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
78	18	1-NLI-151	0	PRESSURIZER / PRESSURIZER LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, 5' SW OF THE 612 AIRLOCK DOOR; ON THE CRANEWALL, INSIDE A PROTECTED BOX, INST DWG 1-5581B, 1-5581, 1-5581A, 1-5531B	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
79	18	1-NLP-151	0	PRESSURIZER / PRESSURIZER (OME-4) LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, 4' SW OF THE 612 AIRLOCK DOOR, ON THE W WALL	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
80	18	1-NLP-152	0	PRESSURIZER / PRESSURIZER (OME-4) LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, ON THE CONT. WALL, 4' W OF COL # 13 NEAR ANNULUS HATCH	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
81	18	1-NLP-153	0	PRESSURIZER / PRESSURIZER (OME-4) LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, ON THE CRANEWALL, NEAR THE FOOT OF THE SEAL TABLE STAIRS	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

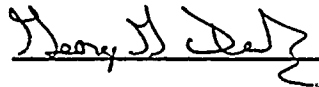
Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
1	7	1-HV-SGR-MD-1	0	AUX BUILDING VENTILA / CONTROL ROD DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SW CORNER OF RM, SW OF 11A SWGR, 10' ABOVE FLR, ON SIDE OF INLET DUCT. WALKDOWN NOTE: IEEE 344-75 ANALYSIS AVAIL.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	1-HV-SGR-MD-2	0	AUX BUILDING VENTILA / CONTROL ROD DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SW CORNER OF RM, SW OF SWGR, MNTD IN CEILING, NOT VISIBLE W/O ENTERING ACCESS DOOR. NOTE FOR WALKDOWN: IEEE 344-75 ANALYSIS AVAIL.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	1-SV-65	0	CCW / LETDOWN HEAT EXCHANGER HE-14 CCW OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY, 20 FT. NORTH OF THE FREIGHT ELEVATOR, 12 FT. ABOVE FLOOR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	7	1-SV-94N	0	CTRL RM AIR CONDITIO / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER EXPANSION TANK TK-76N SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR COND RM, IN THE NW CORNER OF THE RM, 1 FT WEST OF NORTH CONTROL RM AIR CONDITIONING NORTH CHILL WATER EXPANSION	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	1-SV-94S	0	CTRL RM AIR CONDITIO / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER EXPANSION TANK TK-76S SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR COND RM, AT THE WEST END OF CONTROL RM AIR CONDITIONING SOUTH LIQUID CHILLER #1-HV-ACR-2, NEAR THE SO. WALL, 8 FT	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	1-VRV-315	0	CTRL RM A/C CHILL WA / CONTROL ROOM VENTILATION UNIT HV-ACRA-1 CHILL WATER 2 1/2, 3-WAY AIR OPERATED CONTROL VALVE	AUXILIARY	650.00	CONTROL ROOM A/C ROOM, 3 FEET WEST OF CONTROL ROOM AIR HANDLING SUBPANEL #1-ACRA-1, NEAR THE NORTH WALL, 2 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	7	1-VRV-325	0	CTRL RM A/C CHILL WA / CONTROL ROOM VENTILATION UNIT HV-ACRA-2 CHILL WATER 2 1/2 3-WAY AIR OPERATED CONTROL VALVE	AUXILIARY	650.00	CONTROL ROOM A/C ROOM, IN MIDDLE SOUTH REGION OF THE ROOM, 10 FEET EAST OF CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER #1-HV-ACR-2, NEAR THE SOUTH WALL, 2 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
8	8	1-HV-DGS-DAB	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QUAD. NO. 3, IN MIDDLE OF SW REGN OF THE RM 15 FEET S OF THE ACCESS DOOR FROM THE DIESEL HALLWAY, 6 FEET ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	8	1-HV-DGS-DCD	0	DIESEL ROOM VENTILAT / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL, IN NW AREA OF PIPE TUNNEL, NEAR LADDER TO THE RWST VALVE HOUSE, 2' FROM THE E WALL, 10' ABOVE THE 593 EL. PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	8	1-HV-SGR-MD-3	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWMTCHGEAR TRANSFORMERS TR11A & TR11C AREA VENT SUPPLY FAN HV-SGRS-8 SUCTION DAMPER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN NW REGN OF THE RM, ON 600V SWGR TRANSFORMERS AREA VENTILATION SUPPLY FAN # 1-HV-SGRS-8	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

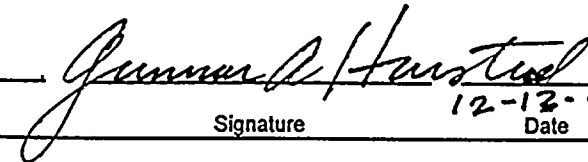
Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/11/95

Gunnar Harstead



Print or Type Name

Signature

Date

Print or Type Name

Signature

12-12-95

Date



24

SCREENING VERIFICATION DATA SHEET (SVDS)

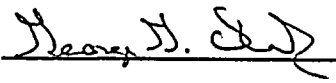
Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
11	8	1-HV-SGR-MD-4	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS AREA VENTILATION SUPPLY FAN HV-SGRS-7 SUCTION DAMPER	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN NE REGN OF THE RM, ON 600V SWGR TRANSFORMERS AREA VENTILATION SUPPLY FAN # 1-HV-SGRS-7	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	8	1-HV-SGR-MD-5	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN HV-SGRS-9 VENT DAMPER	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN MIDDLE S. REGN OF THE RM, AT S END OF 600VAC MOTOR CONTROL CENTER MEZZ. AREA VENT. SUPPLY FAN 1-HV-SGRS-9, 10' ABOVE THE FLR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
13	9	1-HV-AES-1	0	AUX BUILDING VENTILA / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 1	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM, IN THE SW REGN OF THE RM, 20' SE OF SG NORMAL BD FLASH TK# 1-TK-99, NEAR THE S WALL.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	9	1-HV-AES-2	0	AUX BUILDING VENTILA / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 2	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM, IN THE SW REGN OF THE RM, 20' SW OF SGBD FLASHTANK #1-TK-99, NEAR THE S WALL.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
15	9	1-HV-AFP-BRE-1	0	AUX BUILDING VENTILA / N BATTERY ROOM EAST EXHAUST FAN	AUXILIARY	633.00	HALLWAY, ON THE N WALL OF THE N-TRAIN BATTERY RM, 5' FROM E WALL, 4' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	9	1-HV-AFP-BRE-2	0	AUX BUILDING VENTILA / TR. N BATTERY ROOM WEST EXHAUST FAN	AUXILIARY	633.00	HALLWAY, ON THE N WALL OF THE N-TRAIN BATTERY RM, 4' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	9	1-HV-AFP-M1	0	TURBINE BUILDING VEN / EAST MOTOR DRIV AUX FEEDWATER PUMP ROOM EXHAUST FAN	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE SW CORNER OF THE RM, 10' SW OF E MDAFWP, ON THE W WALL, 12' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
18	9	1-HV-AFP-M2	0	TURBINE BUILDING VEN / EAST MOTOR DRIV AUX FEED WATER PUMP ROOM SUPPLY FAN	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, IN THE NE CORNER OF THE RM, 8' N OF THE RM'S ENTRANCE DOOR, ON THE N WALL, 12' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	9	1-HV-AFP-T1	0	TURBINE BUILDING VEN / TURB DRIV AUX FEED PUMP ROOM SOUTH EXHAUST FAN	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN THE SW REGN OF THE RM, 4' W OF AFP TURBINE, ON THE W WALL, 12' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	9	1-HV-AFP-T2	0	TURBINE BUILDING VEN / TURBINE DRIV AUX FEED PUMP ROOM NORTH EXHAUST FAN	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN THE NW CORNER OF THE RM, ON THE W WALL, 5' NW OF AUX FPT, 12' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	9	1-HV-AFP-X1	0	TURBINE BUILDING VEN / WEST MOTOR DRIV AUX FEED PUMP ROOM EAST EXHAUST FAN	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, IN THE SE REGN OF THE RM, 8' SE OF WMDAFWP, ON THE S WALL, 3' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	9	1-HV-AFP-X2	0	TURBINE BUILDING VEN / WEST MOTOR DRIV AUX FEEDWATER PUMP ROOM WEST EXHAUST FAN	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, IN SW REGN OF THE RM, 8' SW OF WMDAFWP, ON THE S WALL, 3' ABOVE THE FLR.	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
23	9	1-HV-SGRS-1A	0	AUX BUILDING VENTILA / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION SOUTH SUPPLY FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE SW CORNER OF THE RM, 3' N OF VENT FAN #1-HV-SGRS-1A, NEAR THE CEILING.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/11/95

Gunnar Harstead



12/12/95

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date



25

25

25

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
24	9	1-HV-SGRS-2	0	AUX BUILDING VENTILA / 4KV ROOM AB 4KV SWTCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE NE CORNER OF THE RM, ON THE E WALL, 12' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
25	9	1-HV-SGRS-3	0	AUX BUILDING VENTILA / 4KV ROOM CD 4KV SWTCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM, CD 4KV SWGR RM, IN THE NW REGN OF THE RM, 2' E OF TURBINE ACCESS DOORWAY, NEAR THE CEILING. RFC 3063 WILL CHANGE POWER SUPPLY TO TR. A.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
26	9	1-HV-SGRS-4A	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SW. CORNER OF THE RM, 2' S. OF VENT FAN 1-HV-SGRS-4A, NEAR S. WALL, NEAR THE CEILING	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
27	9	1-HV-SGRS-7	0	AUX BUILDING VENTILA / 4KV ROOM 600V SWTCHGEAR TRANSFORMER TR-11B AND TR-11D AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN THE NE REGN OF RM, 4' S OF 600VAC BUS 11B SUPPLY XFMR #1-TR11B, 9' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
28	9	1-HV-SGRS-8	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWTCHGEAR TRANSFORMERS TR11A AND TR11C AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN NW. REGN OF RM, 7' E OF THE TURBINE BUILDING ROOLUP DOOR, NEAR THE CEILING	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
29	9	1-HV-SGRS-9	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPL FAN	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN MIDDLE S. REGN OF THE RM, NEAR PLANT BATTERY CONTROL PANEL 1-BA-AB, 10' ABOVE THE FLR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
30	9	1-HV-SGRX-2	0	AUX BUILDING VENTILA / 4KV ROOM AB 4KV SWTCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area, IN SW. REGN OF THE RM, 8' W. OF 600VAC BUS 11A SWGR, ON THE W. WALL, 4' ABOVE THE FLR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
31	9	1-HV-SGRX-3	0	AUX BUILDING VENTILA / 4KV ROOM CD 4KV SWTCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM, 600V SWGR Area,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
32	9	1-HV-SGRX-5	0	AUX BUILDING VENTILA / AB BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	609.00	AB BATT EQUIP AREA, IN THE CENTER OF THE RM, NEAR THE CEILING.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
33	9	1-HV-SGRX-6	0	AUX BUILDING VENTILA / CD BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	626.00	SWGR CABLE SPREADING RM, IN THE NE REGN OF THE RM, 15' E OF A CEMENT COLUMN, NEAR A S WALL, NEAR THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
34	9	12-HV-ACCP-1	0	AUX BUILDING VENTILA / CCW PUMPS VENTILATION NORTH SUPPLY FAN	AUXILIARY	633.00	HALLWAY, IN SW REGN OF THE HALLWAY, 20' SW OF CONT AUX SUBPNL #2-CAS, 12' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
35	9	12-HV-ACCP-2	0	AUX BUILDING VENTILA / CCW PUMPS VENTILATION MIDDLE SUPPLY FAN	AUXILIARY	633.00	HALLWAY, IN THE SW REGN OF THE HALLWAY, 20' SW OF CONT. AUX SUBPNL #2-CAS, 12' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
36	9	12-HV-ACCP-3	0	AUX BUILDING VENTILA / CCW PUMPS VENTILATION SOUTH SUPPLY FAN	AUXILIARY	633.00	HALLWAY, IN THE SW REGN OF THE HALLWAY, 20' SW OF CONT AUX SUBPNL #2-CAS, 12' ABOVE THE FLR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

<u>George G. Thomas</u>	<u><i>George G. Thomas</i></u>	<u>12/11/95</u>	<u>Gunnar Harstead</u>	<u><i>Gunnar Harstead</i></u>	<u>12/12/95</u>
Print or Type Name	Signature	Date	Print or Type Name	Signature	Date



554

555

556

SCREENING VERIFICATION DATA SHEET (SVDS)

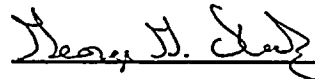
Eq. CI	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
37	9	12-HV-ESW-5	0	SCREENHOUSE VENTILAT / UNIT 1 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESW PUMP RM, IN THE SW CORNER OF THE RM, 15' SW OF W ESW PP, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
38	9	12-HV-ESW-6	0	SCREENHOUSE VENTILAT / UNIT 1 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESW PUMP RM, IN SE CORNER OF THE RM, 15' SE OF W ESW PP, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
39	9	12-HV-ESW-7	0	SCREENHOUSE VENTILAT / UNIT #1 EAST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESW PUMP RM, IN THE SW CORNER OF THE RM, 15' SE OF E ESW PP, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
40	9	12-HV-ESW-8	0	SCREENHOUSE VENTILAT / UNIT 1 ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESW PUMP RM, IN SE CORNER OF THE RM, 15' SE OF E ESW PP, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
41	10	1-HV-ACRA-1	0	CONTROL ROOM VENTILA / CONTROL ROOM VENTILATION NORTH AIR HANDLER PACKAGE	AUXILIARY	650.00	CONTROL RM, A/C RM,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
42	10	1-HV-ACRA-2	0	CONTROL ROOM VENTILA / CONTROL ROOM VENTILATION SOUTH AIR HANDLER PACKAGE	AUXILIARY	650.00	CONTROL RM, A/C RM,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
43	10	1-HV-AES-1 (FLT)	0	AUX BUILDING VENTILA / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER UNIT #1	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
44	10	1-HV-AES-2 (FLT)	0	AUX BUILDING VENTILA / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER UNIT #2	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
45	11	1-HV-ACR-1	0	CONTROL ROOM A/C CHI / CONTROL ROOM NORTH LIQUID CHILLER PACKAGE	AUXILIARY	650.00	CONTROL RM, A/C RM,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes
46	11	1-HV-ACR-2	0	CONTROL ROOM A/C CHI / CONTROL ROOM SOUTH LIQUID CHILLER PACKAGE	AUXILIARY	650.00	CONTROL RM, A/C RM,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes
47	11	1-HE-63N	0	CONTROL ROOM A/C CHI / CONTRL ROOM A/C NORTH LIQUID CHILLER HV-ACR1 EVAPORATOR	AUXILIARY	650.00	CTRL RM AIR COND RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
48	11	1-HE-63S	0	CTRL RM AIR CONDITIO / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER HV-ACR-2 EVAPORAT	AUXILIARY	650.00	CTRL RM AIR COND RM, IN THE SW PART OF THE RM, ON THE SO. WALL, 2 FT ABOVE THE FLR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
49	11	1-HE-64N	0	CONTROL ROOM A/C CHI / CONTROL ROOM A/C NORTH LIQUID CHILLER HV-ACR-1 CONDENSER	AUXILIARY	650.00	CTRL RM AIR COND RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
50	11	1-HE-64S	0	CONTROL ROOM A/C CHI / CONTROL ROOM A/C SOUTH LIQUID CHILLER HV-ACR-2 CONDENSER	AUXILIARY	650.00	CTRL RM AIR COND RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/15/95

Gunnar Harstead



12-12-95

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
82	18	1-NPP-151	0	PRESSURIZER / PRESSURIZER (OME-4) LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, 5' SW OF THE 612 AIRLOCK DOOR, IN THE SW CORNER OF THE RM, ON THE W WALL	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
83	18	1-NPP-152	0	PRESSURIZER / PRESSURIZER (OME-4) PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, ON THE CONT. WALL, NEAR COL #13, NEAR ANNULUS HATCH, 2' ABOVE THE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
84	18	1-NPP-153	0	PRESSURIZER / PRESSURIZER (OME-4) PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM, ON THE CRANWALL, NEAR COL #15, NEAR THE SEAL TABLE STAIRS	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
85	18	1-NPS-121	0	REACTOR COOLANT / REACTOR COOLANT LOOP 2 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	612.00	W CONT LOWER VENT RM, ON CRANEWALL SIDE OF THE WALKWAY, 1' FROM CONT. LOWER VENT U# 1-HV-CLV-2, 5' ABOVE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
86	18	1-NPS-122	0	REACTOR COOLANT / REACTOR COOLANT LOOP 1 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	611.00	E CONT LOWER VENT RM, NEAR COLUMN # 5, NEAR THE DOORWAY TO VENT UNIT # 1-HV-CLV-1	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
87	18	1-NRI-21	0	NUCLEAR INSTRUMENTAT / NUCLEAR INST. WIDE RANGE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY, AZ:090,	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
88	18	1-NRI-23	0	NUCLEAR INSTRUMENTAT / NUCLEAR INST. SOURCE RANGE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY, AZ:270,	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
89	18	1-XRV-RACK-152	0	CONTROL AIR / PRZ TR-B PRESSURE RELIEF VLV #NRV-152 VLV RACK EMERG AIR PRESSURE REGULATOR	CONTAINMENT	650.00	UPPER CONT, ON THE CRANEWALL SIDE OF THE AREA, ON THE OUTSIDE OF THE PRZ DOGHOUSE	650.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
90	18	1-XRV-RACK-153	0	CONTROL AIR / PRZ TR-A PRESSURE RELIEF VLV #NRV-153 VLV RACK EMERG AIR PRESS REGULATOR	CONTAINMENT	650.00	UPPER CONT, ON THE CRANEWALL SIDE OF THE AREA, ON THE OUTSIDE OF THE PRZ DOGHOUSE	650.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
91	19	1-NTR-110	0	REACTOR COOLANT / REACTOR COOLANT LOOP 1 HOT LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	598.00	LOWER CONT QUAD 1, AZ 015, ON THE SHIELD WALL SIDE OF SG #1, 20' ABOVE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes	Yes
92	19	1-NTR-120	0	REACTOR COOLANT / REACTOR COOLANT LOOP 2 HOT LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT QUAD 2, AZ 169, ON THE SHIELD WALL SIDE OF SG #2, ON THE 621 EL. PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes	Yes
93	19	1-NTR-130	0	REACTOR COOLANT / REACTOR COOLANT LOOP 3 HOT LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	625.00	LOWER CONT QUAD 3, AZ 194, ON THE SHIELD WALL SIDE OF SG #3, ON THE 621 EL. PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

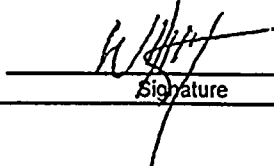
Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demd?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
94	19	1-NTR-140	0	REACTOR COOLANT / REACTOR COOLANT LOOP 4 HOT LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	598.00	LOWER CONT QUAD 4, AZ 336, ON THE SHIELD WALL SIDE OF SG #4, 20' ABOVE THE FLR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
95	19	1-NTR-210	0	REACTOR COOLANT / REACTOR COOLANT LOOP 1 COLD LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	598.00	LOWER CONT QUAD 1, AZ 035, BETWEEN THE RCP #1 & THE SHIELD WALL, ON 617 EL. PLATFORM	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
96	19	1-NTR-230	0	REACTOR COOLANT / REACTOR COOLANT LOOP 3 COLD LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT QUAD 3, AZ 236, BETWEEN THE RCP #3 & THE SHIELD WALL, ON 617 EL. PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No
97	19	1-NTR-240	0	REACTOR COOLANT / REACTOR LOOP 4 COLD LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT QUAD 4, AZ 307, BETWEEN THE RCP #4 & THE SHIELD WALL, ON 617 EL. PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/14/95
Date

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

DC CO .IT 1
SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. CI	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
1	18	1-CLI-113	0	CONDENSATE STORAGE T / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL, IN THE NE AREA OF PIPE TUNNEL, ON THE N WALL, 5' ABOVE 593 EL. PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	18	1-CLI-114	0	CONDENSATE STORAGE T / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL, IN THE NE AREA OF THE PIPE TUNNEL, 10' E OF THE CST ACCESS LADDER HATCH, 5' ABOVE THE 593 EL. PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	18	1-CPS-410	0	CCW / EAST CCW PUMP PP-10E DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	HALLWAY, 7 FT NW OF EAST CCW PUMP #12-PP-10E	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	18	1-CPS-420	0	CCW / WEST CCW PUMP PP-10W DISCHARGE PRESSURE SWTCH	AUXILIARY	609.00	HALLWAY, 5 FT NW OF WEST CCW PUMP #12-PP-10W	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	18	1-FFI-210	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-1 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STEAM STOP ENCLOSURE, SW CORNER OF RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	18	1-FFI-220	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-2 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MAIN STEAM STOP ENCCLOSURE, S CENTRAL AREA OF RM.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	18	1-FFI-230	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-3 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MAIN STEAM STOP ENCCLOSURE, IN THE MIDDLE OF THE N PART OF THE RM, 12' W OF CONT PENETRATION #1-CPN-9.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	18	1-FFI-240	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATO OME-3-4 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STEAM STOP ENCLOSURE, ON THE N WALL, 10' N OF STAIRS.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	18	1-IFI-310	0	RHR / EAST RHR HEAT EXCHANGER HE-17E OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	HALLWAY, 11' E OF RHR HE RM'S DOORWAY, ON THE N WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	18	1-IFI-311	0	RHR / EAST RHR HEAT EXCHANGER HE-17E OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	HALLWAY, 12' E OF E RHR HEAT EXCHANGER RM DOORWAY, ON N WALL, 5' ABOVE THE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	18	1-IFI-320	0	RHR / WEST RHR HEAT EXCHANGER HE-17W OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	HALLWAY, 15' N OF THE PASSENGER ELEVATOR, ON THE N WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	18	1-IFI-321	0	RHR / WEST RHR HEAT EXCHANGER HE-17W OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	HALLWAY, 15' N OF THE PASSENGER ELEVATOR, ON THE N WALL, 5' ABOVE THE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	18	1-LS-950	0	RWST SUPPLY / RWST TK-33 EXTREME LOW LEVEL TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL, IN THE NE AREA OF PIPE TUNNEL, 8' E OF REFUELING WATER STORAGE TANK VALVE HOUSE LADDER, ON N WALL, 7' ABOVE 593 EL PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma

Print or Type Name

Signature

12/21/95
Date

Paul R. Wilson

Print or Type Name

Signature

12/16/95

Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
14	18	1-LS-951	0	RWST SUPPLY / RWST TK-33 LEVEL TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL, IN NE AREA OF PIPE TUNNEL, 12' E OF REFUELING WTR STORAGE TANK VLV LADDER, ON N WALL, 7' ABOVE 593 EL. PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	18	1-MPP-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE SW REGN OF THE RM, 4' NW OF THE TOP OF STEAM STOP VALVE 1-MRV-210, 2' ABOVE 647 EL. PLATFORM.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	18	1-MPP-212	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	18	1-MPP-220	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 8' NE OF MAIN STEAM STOP VALVE 1-MRV-220, AT 652 EL. PLATFORM, ON THE CONT WALL, LOCATED INSIDE OF BLAST BOX.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	18	1-MPP-222	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, SE AREA OF 652 EL. PLATFORM, ON CONT WALL LOCATED INSIDE OF BLAST BOX.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	18	1-MPP-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, 8' E OF MAIN STOP VALVE 1-MRV-230, ON THE CONT WALL, AT 652 EL. PLATFORM.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	18	1-MPP-232	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MAIN STEAM STOP ENCLOSURE, NE CORNER OF 652 EL. PLATFORM, ON CONT WALL, LOCATED INSIDE OF BLAST BOX.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	18	1-MPP-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN NW REGN OF RM, 5' SW OF TOP OF STEAM STOP VALVE 1-MRV-240, NEAR THE W WALL, 2' ABOVE 647 EL. PLATFORM.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	18	1-MPP-242	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STEAM STOP ENCLOSURE, IN THE NW CORNER OF THE RM, 8' NW OF THE TOP OF STEAM STOP VALVE 1-MRV-240, NEAR THE W WALL, 2' ABOVE THE 647 EL. PLATFORM.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	18	1-PPP-301	0	CONTAINMENT VENTILAT / LOWER CONT. CH. III PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	AIRLOCK AREA, 15' NE OF THE 612 EL. AIRLOCK, 3' SE OF VALVE 1-VCR-202, 6' ABOVE THE FLR.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
24	18	1-PPP-302	0	CONTAINMENT VENTILAT / LOWER CONTAINMENT CHANNEL II PRESSURE PROT. TRANSMITTER	AUXILIARY	612.00	AIRLOCK AREA, 15' NE OF THE 612 EL. AIRLOCK, 5' SE OF VALVE 1-VCR-202, 3' ABOVE THE FLR. INST DWG 1-5581.A.B.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
25	18	1-PPP-303	0	CONTAINMENT VENTILAT / LOWER CONTAINMENT CHANNEL I PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	AIRLOCK AREA, 1' S OF CONT PENETRATION #1-CPN-96, 4' OF VENTILATION UNIT #1-IV-CIPX-1, NEAR CONT WALL, 5' ABOVE THE FLR.	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
26	18	1-QFA-210	0	RCTR COOLANT PMP SEA / RCP WATER INJECTION TO RCP PP-45-1 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	HALLWAY, 7' E OF DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK RMS RAMP, ON THE N WALL, 6' ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
27	18	1-QFA-220	0	RCTR COOLANT PMP SEA / RCP SEAL WATER INJECTION TO RCP 2 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	HALLWAY, 7' E OF DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK RMS RAMP, ON THE N WALL, 6' ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/21/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
28	18	1-QFA-230	0	RCTR COOLANT PMP SEA / RCP SEAL WATER INJECTION TO RCP 3 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	HALLWAY, 7' E OF DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK RM'S RAMP, ON THE N WALL, 6' ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
29	18	1-QFA-240	0	RCTR COOLANT PMP SEA / RCP SEAL WATER TO RCP 4 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	HALLWAY, 7' E OF DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK RM'S RAMP, ON THE N WALL, 6' ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
30	18	1-QFI-200	0	CVCS - CHARGING / CVCS CHG PPS DISCH FLOW INDICATOR	AUXILIARY	587.00	HALLWAY, ON W WALL, 10' N OF CHARGING PUMP RM DOORWAY INST DWG. 12-5565, 1-5531B	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
31	18	1-QLC-451	0	CVCS / REACTOR COOLANT LETDOWN VCT TK-10 EXTREME HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	HALLWAY, 10' N OF FREIGHT ELEVATOR, ON THE N WALL, 5' ABOVE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
32	18	1-QLC-452	0	CVCS / REACTOR COOLANT LETDOWN VCT TK-10 HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	VOLUME CONTROL TANK RM, ON SW SIDE OF TANK, 15' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
33	18	1-WDS-701	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER OME-34E HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	E SSNTL SERV WTR PMP RM	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
34	18	1-WDS-702	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER OME-34W HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	W SSNTL SERV WTR PMP RM	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
35	18	1-WPS-701	0	ESW / EAST ESW SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
36	18	1-WPS-705	0	ESW / WEST ESW SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
37	18	12-CPS-430	0	CCW / SPARE CCW PUMP DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	HALLWAY, 4 FT NW OF THE SPARE CCW PUMP #12-PP-10, 3 FT ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
38	19	1-CTR-415	0	CCW / EAST CCW HEAT EXCHANGER HE-15E CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	HALLWAY,	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
39	19	1-CTR-425	0	CCW / WEST COMPONENT COOLING WATER HEAT EXCHANGER HE-15W CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	HALLWAY, ON N. END OF W. COMPONENT COOLING WATER HEAT EXCHANGER 1-HE-15W, 6' ABOVE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
40	19	1-VTS-201	0	TURBINE BUILDING VEN / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN HV-AFP-M1 THERMAL SENSOR	TURBINE	591.00	E MOTOR DRIV AUX FDWTR PUMP RM, 6' NW. OF E. MOTOR DRIVEN AUXILIARY FDWTR PUMP 1-PP-3E, ON W. WALL, 6' ABOVE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
41	19	1-VTS-203	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN HV-AFP-T1 THERMAL SENSOR	TURBINE	591.00	TURB DRIV AUX FDWTR PUMP RM, IN SE. REGN OF RM, 6' S. OF TURBINE DRIVEN AUXILIARY FEED PUMP 1-PP-4, ON S. WALL, 6' ABOVE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

Signature

12/21/95
Date

Paul R. Wilson
Print or Type Name

Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
42	19	1-VTS-204	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN HV-AFP-T2 THERMAL SENSOR	TURBINE	591.00	TURB DRV AUX FDWTR PUMP RM, IN NE REGN OF RM, 8' N. OF TURBINE DRIVEN AUXILIARY FEED PUMP 1-PP-4, ON N. WALL, 8' ABOVE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
43	19	1-VTS-206	0	TURBINE BUILDING VEN / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM WEST EXHAUST FAN HV-AFP-X2 THERMAL SENSOR	TURBINE	591.00	W MOTOR DRIV AUX FDWTR PUMP RM, IN SW. CORNOR OF RM, ON S. WALL, 5' ABOVE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
44	19	1-VTS-340	0	DIESEL BUILDING VENT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QUAD, #3, IN SW. REGN OF RM, 15' S. OF FIRE DOOR #325, ON VENTILATION EXHAUST FAN 1-HV-ET-7, 8' ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	19	1-VTS-350	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT SOUTH SUPPLY FAN HV-SGRA-1A TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA, IN NE. CORNOR OF RM, 8' SE. OF THE ENTERANCE DOOR, ON E. WALL, 4' ABOVE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	19	1-VTS-351	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INV AREA VENT SOUTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	CONTROL ROD DRIVE EQUIPMENT RM, IN NW. REGN OF RM, 1' W. OF THE RM'S ENTRANCE DOOR, ON THE N. WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	19	1-VTS-352	0	AUXILIARY BUILDING V / 4KV ROOM 600 VOLT SWGR XFRMS TR11B AND TR11D AREA VENT SUPPLY FAN HV-SGRS-7 TEMP SWITCH	AUXILIARY	609.00	4KV RM, 600V SWGR Area,	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	19	1-VTS-353	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENT SUPPLY FAN SGRS-9 TEMPERATURE SWITCH	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN NW. REGN OF RM, 2' W. OF 480V BUS SWITCH GEAR 1-11PHA, ON THE W. WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	19	1-VTS-354	0	AUXILIARY BUILDING V / CONT ROD DRIVE EQUIP ROOM AND INV AREA OUTSIDE AIR INLET DAMPER HV-SGR-MD-1 AND 2 TEMP SWITCH TO OVERRIDE PNEUMATIC CONTROLLER	AUXILIARY	609.00	INVERTER AREA, IN NW. REGN OF RM, 8' SW. OF THE ENTRANCE DOOR, ON THE W. WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	19	1-VTS-355	0	AUXILIARY BUILDING V / CRID AND CRDM INV AREA VENT AIR INLET DAMPER HV-SGR-MD-1 AND 2 TEMP SWITCH TO OVERRIDE PNEUMATIC CONTROLLER	AUXILIARY	609.00	INVERTER AREA, IN NE. CORNOR OF RM, 6' SE OF THE RMS ENTRANCE DOORWAY, ON THE E. WALL, 4' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	19	1-VTS-356	0	AUXILIARY BUILDING V / CNTRL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-4A TEMP SWITCH	AUXILIARY	609.00	INVERTER AREA, IN NW. REGN OF RM, 8' SW. OF THE ENTERANCE DOOR, ON W WALL, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/21/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
52	19	1-VTS-357	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-4A TEMPERATURE SWITCH	AUXILIARY	609.00	CONTROL ROD DRIVE EQUIPMENT RM, IN NE. REGN OF RM, 5' E OF THE RM'S ENTRANCE DOOR, ON THE N. WALL, 4' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	19	1-VTS-802	0	AUXILIARY BUILDING V / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-2 THERMAL SENSOR	AUXILIARY	609.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	19	1-VTS-803	0	AUXILIARY BUILDING V / 4KV ROOM CD 4KV SWMTCHEAR AREA VENTILATION SUPPLY FAN HV-SGRS-3 THERMAL SENSOR	AUXILIARY	609.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
55	19	1-VTS-805	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWGR XFMRS TR11B AND TR11D AREA VENT EXHAUST FAN HV-SGRS-7 TEMP SWITCH THERMAL SENSOR	AUXILIARY	609.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	19	1-VTS-808	0	AUXILIARY BUILDING V / 4KV ROOM 600VAC SWGR XFMRS TR11A AND TR11C AREA VENT SUPPLY FAN HV-SGRS-8 TEMP SWITCH THERMAL SENSOR	AUXILIARY	609.00	4KV RM, AB 4KV SWGR RM, IN THE NW CORNER OF THE RM, ON THE W WALL, 12' ABOVE THE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	19	12-VTS-706	0	SCREEN HOUSE VENTILA / UNIT 1 WEST ESSTIAL SERVICE WATER PUMP ROOM TEMPERATURE SWITCH THERMAL SENSOR	SCREENHOUSE	591.00	WESW PUMP RM, 20' W. OF W. ESSENTIAL SERVICE PUMP 1-PP-7W, ON W. WALL, 10' ABOVE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	19	12-VTS-708	0	SCREEN HOUSE VENTILA / UNIT 1 EAST ESSENTIAL SERVICE WATER PUMP ROOM TEMPERATURE SWITCH THERMAL SENSOR	SCREENHOUSE	591.00	E ESSENTIAL SERVICE WATER PUMP RM, ON E. WALL, 9' NE. OF E. ESSENTIAL SERVICE WATER PUMP 1-PP-7E, 8' ABOVE THE FLR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/21/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

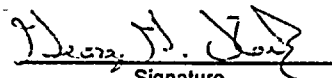
Item	Eq Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	1-ERR	0	CONTROL ROOM EAST REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL RM, IN THE NE REGION OF THE RM, ON THE EAST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	20	1-IV	0	CONTAINMENT SPRAY / CONTAINMENT ISOLATION VALVE CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE SW REGION OF THE RM, 29 FT SW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	20	1-NRI-21-PRCSR	0	NUCLEAR INSTRUMENTAT / NI WIDE RANGE SIGNAL PROCESSOR	AUXILIARY	633.00	CONTROL RM, ON MIDDLE W WALL, NEAR REAR OF ESW CONTROL PANEL #1-ESW, ON N-21 INST/REL RACK #1-SWR, 6' ABOVE FLR. INST DWG 1-5538.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	1-VS	0	CONTAINMENT VENTILAT / VENTILATION CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE SW REGION OF THE RM, 34 FT SW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/14/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/15/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Clearance OK?	Anchor OK?	Interact OK?	Equip OK?
18	20	1-SR1	0	1 STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK # 1	AUXILIARY	633.00	CONTROL RM, NE REGN OF THE RM, ON THE REAR SIDE OF STATION AUXILIARIES CONTROL PANEL # 1-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	20	1-SSR	0	1 ENGINEER SAFETY SYSTEM REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL RM, NW REGN OF THE RM ON THE REAR SIDE OF SAFETY INJECTION CONTROL PANEL #1-SIS	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	20	1-WRR	0	1 WEST RELAY RACK	AUXILIARY	633.00	CONTROL RM, NW REGN OF THE RM, ON THE REAR SIDE OF THE REACTOR COOLANT PUMP CONTROL PANEL # 1-RCP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	20	1-DGAB	0	1 AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL SUBPANEL	AUXILIARY	587.00	AB EDG RM, MIDDLE N REGN OF THE RM, 5 FEET E OF THE RM'S DOORWAY, 10 FEET NW OF AB EMERGENCY DIESEL	587.00	N/A	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
22	20	1-DGCD	0	1 CD EMERGENCY DIESEL GENERATOR OME-150-CD CONTROL SUBPANEL	AUXILIARY	587.00	CD EDG RM, MIDDLE S REGN OF THE RM, 6 FEET SE OF CD EMERGENCY DIESEL GENERATOR #1-OME-150-CD, NEAR THE S WALL	587.00	N/A	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/16/95
Date

Walter Djordjevic
Print or Type Name


Signature

12/14/95
Date

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	1-A11	0	EQUIP CTRL AND INDIC / AUXILIARY RELAY PANEL A11	AUXILIARY	633.00	CONTROL RM, IN THE SE CORNER OF THE RM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
2	20	1-A13	0	EQUIP CTRL AND INDIC / AUXILIARY RELAY PANEL A13	AUXILIARY	633.00	CONTROL RM, IN THE SE CORNER OF THE RM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
3	20	1-CCW	0	COMPONENT COOLING WA / COMPONENT COOLING WATER CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE WEST PART OF THE RM, 15 FT SW OF THE UNIT SUPERVISORS DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	1-CI-26	0	/ REACTOR PROTECTION CONTROL INPUT CABINET #26	AUXILIARY	633.00	CONTROL RM, ON THE MIDDLE OF THE S WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	1-CI-27	0	/ REACTOR PROTECTION CONTROL INPUT CABINET #27	AUXILIARY	633.00	CONTROL RM, ON THE MIDDLE OF THE S WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	20	1-CP	0	CONDENSATE / CONDENSATE PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NE PART OF THE RM, 12' NE OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	20	1-CR	0	MISC. EQUIP SUPPORT / CONDENSATE PANEL REAR INST/RELAY RACK	AUXILIARY	633.00	CONTROL RM, IN THE NE REGN OF THE RM, NEAR THE REAR OF CONDENSATE HEATER LEVEL CONTROL PANEL #1-C.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	20	1-DTU	0	TURBINE INST. AND CO / DELTA T AND UNIT CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE N PART OF THE RM, 15' N OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	1-EFR	0	MISC EQUIPMENT SUPPO / EMERGENCY FIRE PANEL INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL RM, IN THE SW REGION OF THE RM, ON THE REAR SIDE OF VENTILATION CONTROL PANEL #1-VS	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	1-ESW	0	MISC EQUIPMENT SUPPO / CONTROL ROOM EAST REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE WEST REGION OF THE RM, 17 FT SW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	20	1-FLX	0	NUCLEAR INSTRUMENTAT / FLUX CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NORTH REGION OF THE RM, 15 FT NORTH OF THE UNIT SUPERVISORS DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	20	1-GR-2	0	MISC EQUIPMENT SUPPO / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL RM, IN THE SE REGION OF THE RM, NEAR THE REAR SIDE OF MAIN GENERATOR CONTROL PANEL #1-G	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	1-GRB	0	MISC EQUIPMENT SUPPO / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK B	AUXILIARY	633.00	CONTROL RM, IN MIDDLE EAST REGION OF RM, NEAR REAR SIDE OF MAIN GENERATOR CONTROL PANEL #1-G, 20 FT NE OF REAR PANEL ACCESS DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	1-GRC	0	MISC. EQUIPMENT SUPP / GENERATOR PANEL REAR INST/RELAY RACK C	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE E REGN OF THE RM, NEAR THE REAR SIDE OF MAIN GENERATOR PANEL #1-G, NEAR THE E WALL.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	20	1-HSD1	0	SAFETY INJECTION / UNIT 1 HOT SHUTDOWN PANEL	AUXILIARY	633.00	CONTROL RM (UNIT 2), IN THE NW CORNER OF THE RM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	20	1-NIS-I	0	EQUIPMENT CONTROL AN / NUCLEAR INSTRUMENTATION SYSTEM PROT CH. I CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE W PART OF THE RM, 25' SW OF THE UNIT SUPERVISOR'S DESK.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	20	1-NIS-III	0	EQUIPMENT CONT AND I / NUCLEAR INSTRUMENTATION SYSTEM PROT CH. III CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE W PART OF THE RM, 22' SW OF THE UNIT SUPERVISORS DESK.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/21/95
Date

DC COOL UNIT 1
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
18	20	1-NSR	0	MISC EQUIPMENT SUPPO / NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT/RELAY	AUXILIARY	633.00	CONTROL RM, IN MIDDLE WEST REGION OF THE RM, ON THE REAR SIDE OF NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL I CONTROL PANEL #1-NIS-1	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	20	1-PRZ	0	PRESSURIZER / PRESSURIZER CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NW PART OF THE RM, 15' NE OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	20	1-RC	0	ROD CONTROL AND INST / REACTOR CONTROL RODS CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE N PART OF THE RM, 15' N OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	20	1-RCP	0	REACTOR COOLANT / REACTOR COOLANT PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NW PART OF THE RM, 15' NW OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	20	1-RPSX-A	0	/ REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A AUXILIARY CABINET	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM, ON THE REAR SIDE OF CONDENSATE PUMP CONTROL PANEL #1-CP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	No	No
23	20	1-RPSX-B	0	/ REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B AUXILIARY CABINET	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE S REGN OF THE RM, ON THE REAR SIDE OF MOVABLE INCORE INSTRUMENTATION PANEL #1-MFX	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	No	No
24	20	1-SA	0	ELECTRICAL DISTRIBUT / STATION AUXILIARIES CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE SE PART OF RM, 22' SE OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	20	1-SG	0	STEAM GENERATION / S.G. AND AFW PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NE PART OF THE RM, 15' NE OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
26	20	1-SR2	0	MISC EQUIPMENT SUPPO / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE OF THE EAST REGION OF THE RM, ON THE REAR SIDE OF STATION AUXILIARIES CONTROL PANEL #1-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
27	20	1-SR3	0	MISC EQUIPMENT SUPPO / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #3	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE OF THE EAST REGION OF THE RM, ON THE REAR SIDE OF STATION AUXILIARIES CONTROL PANEL #1-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
28	20	1-SR4	0	MISC EQUIPMENT SUPPO / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #4	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE OF THE EAST REGION OF THE RM, ON THE REAR SIDE OF STATION AUXILIARIES CONTROL PANEL #1-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
29	20	1-SWR	0	MISC EQUIPMENT SUPPO / NUCLEAR INSTRUMENTAL SOURCE RANGE N21 INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE OF THE WEST WALL, NEAR THE REAR OF ESSENTIAL SERVICE WATER CONTROL PANEL #1-CCW	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
30	20	1-TRB	0	MISC EQUIPMENT SUPPO / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'B'	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE EAST REGION OF THE RM, 10 FT EAST OF CONTROL PANEL #1-SA, NEAR THE EAST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
31	20	1-TRD	0	MISC EQUIPMENT SUPPO / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'D'	AUXILIARY	633.00	CONTROL RM, IN THE EAST REGION OF THE RM, NEAR THE REAR SIDE OF CONTROL PANEL #1-T, 25 FT NE OF REAR PANEL ACCESS DOOR, 5 FT W. OF E. WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
32	20	1-TRE	0	MISC EQUIPMENT SUPPO / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'E'	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE EAST REGION OF THE RM, NEAR THE REAR OF CONTROL PANEL #1-T, 4 FT EAST OF CABINET #1-RPC-II-7, NEAR THE EAST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

T.R. Satyan Shama
Print or Type Name


Signature

12/21/95
Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	1-ACRA-1	0	EQUIP CTRL AND INDIC / CONTROL ROOM AIR HANDLING SUBPANEL #1	AUXILIARY	650.00	CTRL RM AIR COND RM, 3 FT NORTH OF CONTROL RM VENTILATION NORTH AIR CONDITIONING UNIT #1-HV-ACRA-1, AT THE CENTER OF THE NORTH	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	20	1-ACRA-2	0	EQUIP CTRL AND INDIC / CONTROL ROOM AIR HANDLING SUBPANEL #2	AUXILIARY	650.00	CTRL RM AIR COND RM, 3 FT SOUTH OF CONTROL RM VENTILATION SOUTH AIR CONDITIONING UNIT #1-HV-ACRA-2, AT THE CENTER OF THE SOUTH	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	20	1-LSI-1	0	STEAM GENERATING / STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL, ON SO. WALL IN SE CORNER OF RM, 3 FT FROM EAST WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	1-LSI-2	0	STEAM GENERATING / STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE NE CORNER OF THE RM, MOUNTED ON THE NORTH WALL, 5 FT ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	1-LSI-3	0	PRESSURIZER / REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION	AUXILIARY	587.00	HALLWAY, IN THE HALLWAY, WEST OF THE REFUELING WATER PURIFICATION PUMP RM, NEAR THE NORTH WALL, ON THE EAST WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	20	1-LSI-4	0	EQUIP CTRL AND INDIC / REACTOR COOLANT SYSTEM TEMPERATURES AND STEAM GENERATORS LOCAL SHUTDOWN STATION	AUXILIARY	587.00	HALLWAY, IN THE MIDDLE EAST REGION OF THE HALLWAY, IN THE HALLWAY WEST OF THE REFUELING PURIFICATION PUMP RM, ON THE EAST	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	20	1-LSI-5	0	EQUIPMENT CONTROL AN / RC LOOPS #1 & 4 TEMPS, SG'S #1 & 4 PRESS LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, ON S WALL IN SE CORNER OF RM, 7' FROM E WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	20	1-LSI-5X	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION #5X	AUXILIARY	621.00	E MAIN STEAM STOP ENCLOSURE, IN THE NE CORNER OF RM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	1-LSI-6	0	EQUIPMENT CONTROL AN / RC LOOPS 2 & 3 TEMPS, SG'S #2 & 3 PRESS LOCAL SHUTDOWN STN	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN NW CORNER OF RM, MOUNTED ON THE N WALL, 1' W OF LOCAL SHUTDOWN STATION #LSI-2, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	1-LSI-6X	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION #6X	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM, IN THE NW CORNER OF THE RM, 3' NE OF THE RM'S ENTRANCE DOORWAY, 4' ABOVE THE FLR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	20	1-NRI-21-AMP	0	NUCLEAR INSTRUMENTAT / NI WIDE RANGE RADIATION AMPLIFIER	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QD #1, 20' SW OF REACTOR CABLE TUNNEL QUAD #1, N OF FIRE DOOR 1-DR-AUX333, NEAR CONT WALL, 6' ABOVE FLR. INST DWG 1-5552C.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	20	1-NRI-23-AMP	0	NUCLEAR INSTRUMENTAT / NI SOURCE RANGE RADIATION DETECTOR NRI-23 AMPLIFIER	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QD #1, 30' SW OF REACTOR CABLE TUNNEL QUAD #1, N FIRE DOOR #1, RM-333, NEAR CONT WALL, 4' ABOVE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	1-NRI-23-ISOL	0	NUCLEAR INSTRUMENTAT / NI SOURCE RANGE SIGNAL ISOLATOR	AUXILIARY	596.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	1-NRI-23-PRCSR	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL PROCESSOR	AUXILIARY	596.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
15	20	1-SCP	0	NUCLEAR SAMPLING / NUCLEAR SAMPLING SYSTEM CONTROL PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM, 10 FT SW OF THE SAMPLING SINK, ON CONTROL RM PANEL #1-SCP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	20	1-TFP	0	EQUIP CTRL AND INDIC / TURBINE DRIVEN AUXILIARY FEED PUMP SUBPANEL	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	No	No	No
17	20	12-SFP-12	0	EQUIP CTRL AND INDIC / SPENT FUEL PIT SUBPANEL	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM, IN SE CORNER OF RM, 10 FT SW OF THE RM'S ENTRANCE DOOR, NEAR THE SO. WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George H. [Signature]
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

[Signature]
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	1-ACRA-1	0	EQUIP CTRL AND INDIC / CONTROL ROOM AIR HANDLING SUBPANEL #1	AUXILIARY	650.00	CTRL RM AIR COND RM, 3 FT NORTH OF CONTROL RM VENTILATION NORTH AIR CONDITIONING UNIT #1-HV-ACRA-1, AT THE CENTER OF THE NORTH	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	20	1-ACRA-2	0	EQUIP CTRL AND INDIC / CONTROL ROOM AIR HANDLING SUBPANEL #2	AUXILIARY	650.00	CTRL RM AIR COND RM, 3 FT SOUTH OF CONTROL RM VENTILATION SOUTH AIR CONDITIONING UNIT #1-HV-ACRA-2, AT THE CENTER OF THE SOUTH	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	20	1-LSI-1	0	STEAM GENERATING / STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL, ON SO. WALL IN SE CORNER OF RM, 3 FT FROM EAST WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	1-LSI-2	0	STEAM GENERATING / STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE NE CORNER OF THE RM, MOUNTED ON THE NORTH WALL, 5 FT ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	1-LSI-3	0	PRESSURIZER / REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION	AUXILIARY	587.00	HALLWAY, IN THE HALLWAY, WEST OF THE REFUELING WATER PURIFICATION PUMP RM, NEAR THE NORTH WALL, ON THE EAST WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	20	1-LSI-4	0	EQUIP CTRL AND INDIC / REACTOR COOLANT SYSTEM TEMPERATURES AND STEAM GENERATORS LOCAL SHUTDOWN STATION	AUXILIARY	587.00	HALLWAY, IN THE MIDDLE EAST REGION OF THE HALLWAY, IN THE HALLWAY WEST OF THE REFUELING PURIFICATION PUMP RM, ON THE EAST	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	20	1-LSI-5	0	EQUIPMENT CONTROL AN / RC LOOPS #1 & 4 TEMPS, SG'S #1 & 4 PRESS LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STEAM STOP ENCLOSURE, ON S WALL IN SE CORNER OF RM, 7' FROM E WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	20	1-LSI-5X	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION #5X	AUXILIARY	621.00	E MAIN STEAM STOP ENCLOSURE, IN THE NE CORNER OF RM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	1-LSI-6	0	EQUIPMENT CONTROL AN / RC LOOPS 2 & 3 TEMPS, SG'S #2 & 3 PRESS LOCAL SHUTDOWN STN	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN NW CORNER OF RM, MOUNTED ON THE N WALL, 1' W OF LOCAL SHUTDOWN STATION #LSI-2, 5' ABOVE THE FLR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	1-LSI-6X	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION #6X	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK RM, IN THE NW CORNER OF THE RM, 3' NE OF THE RMS ENTRANCE DOORWAY, 4' ABOVE THE FLR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	20	1-NRI-21-AMP	0	NUCLEAR INSTRUMENTAT / NI WIDE RANGE RADIATION AMPLIFIER	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QD #1, 20' SW OF REACTOR CABLE TUNNEL QUAD #1, N OF FIRE DOOR 1-DR-AUX333, NEAR CONT WALL, 6' ABOVE FLR. INST DWG 1-5552C.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	20	1-NRI-23-AMP	0	NUCLEAR INSTRUMENTAT / NI SOURCE RANGE RADIATION DETECTOR NRI-23 AMPLIFIER	AUXILIARY	596.00	REACTOR CABLE TUNNEL, QD #1, 30' SW OF REACTOR CABLE TUNNEL QUAD #1, N OF FIRE DOOR #1, RM-333, NEAR CONT WALL, 4' ABOVE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	1-NRI-23-ISOL	0	NUCLEAR INSTRUMENTAT / NI SOURCE RANGE SIGNAL ISOLATOR	AUXILIARY	596.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	1-NRI-23-PRCSR	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL PROCESSOR	AUXILIARY	596.00		609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

12/16/95

12/20/95



DC COOK 1
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anch OK?	Fact OK?	Equip OK?
15	20	1-SCP	0	NUCLEAR SAMPLING / NUCLEAR SAMPLING SYSTEM CONTROL PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM, 10 FT SW OF THE SAMPLING SINK, ON CONTROL RM PANEL #1-SCP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	20	1-TFP	0	EQUIP CTRL AND INDIC / TURBINE DRIVEN AUXILIARY FEED PUMP SUBPANEL	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	No	No	No
17	20	12-SFP-12	0	EQUIP CTRL AND INDIC / SPENT FUEL PIT SUBPANEL	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM, IN SE CORNER OF RM, 10 FT SW OF THE RM'S ENTRANCE DOOR, NEAR THE SO. WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq CI	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
7	1-SV-122-3	0	CCW / CONTAINMENT VENT FAN HV-CEQ-1 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-1 FAN ROOM	598.00	Yes	BS GRS	Yes	Yes	N/A	Yes	Yes
7	1-SV-122-4	0	CCW / CONTAINMENT VENT FAN HV-CEQ-2 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-2 FAN ROOM	598.00	Yes	BS GRS	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

Tom Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Ct	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40°?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	1-POV-1-AB	0	STARTING AIR SYST / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	AB EDG RM, IN THE SE REGN OF THE RM, ON THE SE END OF THE DIESEL END OF AB EDG	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
2	0	1-POV-1-CD	0	STARTING AIR SYST / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
3	0	1-QT-101-AB	0	DIESEL COMBUSTION A / AB EMERG DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	AB EDG RM, IN NE REGN OF THE RM, 10' NE OF DIESEL END OF AB EDG. 10' ABOVE FLR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
4	0	1-QT-101-CD	0	DIESEL COMBUSTION A / CD EMERG DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	CD EDG RM, 10FT NE OF THE DIESEL END OF CD EDG., 11FT ABOVE THE FLR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
5	0	1-QT-112-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	AB EDG LUBE OIL PIT, IN THE NE CORNER OF THE PIT	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
6	0	1-QT-112-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	CD EDG LUBE OIL PIT, IN NE CORNER OF PIT, 5FT NE OF CD EMERG DSL LUB SUMP TANK #1-QT-115-CD, NEAR FLR.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
7	0	1-QT-113-AB1	0	DIESEL LUBE OIL / AB EMERG DIESEL FULL FLOW LUBE OIL STRAINER 1	AUXILIARY	579.00	AB EDG LUBE OIL PIT,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
8	0	1-QT-113-AB2	0	DIESEL LUBE OIL / AB EMERG DIESEL FULL FLOW LUBE OIL STRAINER 2	AUXILIARY	579.00	AB EDG LUBE OIL PIT,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
9	0	1-QT-113-CD1	0	DIESEL LUBE OIL / CD EMERG DIESEL LUBE OIL FULL FLOW STRAINER 1	AUXILIARY	579.00	CD EDG LUBE OIL PIT,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
10	0	1-QT-113-CD2	0	DIESEL LUBE OIL / CD EMERG DIESEL FULL FLOW LUBE OIL STRAINER 2	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
11	0	1-QT-118-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	AB EDG LUBE OIL PIT,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
12	0	1-QT-118-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	CD EDG LUBE OIL PIT,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/14/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date


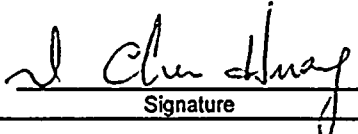
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	0	1-QT-143-AB1	0	DIESEL STARTING AIR / AB EMERG DIESEL CONTROL AIR DRYER 1	AUXILIARY	587.00	AB EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
14	0	1-QT-143-AB2	0	DIESEL STARTING AIR / AB EMERG DIESEL CONTROL AIR DRYER 2	AUXILIARY	587.00	AB EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
15	0	1-QT-143-CD1	0	DIESEL STARTING AIR / CD EMERG DIESEL CONTROL AIR DRYER 1	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
16	0	1-QT-143-CD2	0	DIESEL STARTING AIR / CD EMERG DIESEL CONTROL AIR DRYER 2	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
17	0	1-QT-144-AB	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	AB EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
18	0	1-QT-144-CD	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
19	0	1-TT-DGAB	0	STARTING AIR / 1 AB DIESEL GEN TUBE TRACK	AUXILIARY	587.00	AB EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
20	0	1-TT-DGCD	0	STARTING AIR / 1 CD DIESEL GEN TUBE TRACK	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
21	5	1-QT-106-CD1	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL TRANSFER PUMP 1	AUXILIARY	587.00	CD EDG FUEL OIL TRANSFER PUMP RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	5	1-QT-106-CD2	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL TRANSFER PUMP 2	AUXILIARY	587.00	CD EDG FUEL OIL TRANSFER PUMP RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
23	5	1-QT-111-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	CD EDG LUBE OIL PIT, IN THE MIDDLE E REGN OF THE PIT, 4FT E OF LUBE OIL TANK# 1-QT-115-CD, NEAR FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
24	5	1-QT-117-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL LUBE OIL HEATER QT-116-AB PUMP	AUXILIARY	579.00	AB EDG LUBE OIL PIT,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	5	1-QT-117-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL LUBE OIL HEATER QT-116-CD PUMP	AUXILIARY	579.00	CD EDG LUBE OIL PIT,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
26	5	1-QT-119-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL LUBE OIL FILTER (QT-118-AB) PUMP	AUXILIARY	579.00	AB EDG LUBE OIL PIT,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

<u>George G. Thomas</u> Print or Type Name	 Signature	<u>12/16/95</u> Date	<u>I.C. Huang</u> Print or Type Name	 Signature	<u>1-15-96</u> Date
---	--	-------------------------	---	--	------------------------

SCREENING VERIFICATION DATA SHEET (SVDS)


Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
27	5	1-QT-119-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL BYPASS LUBE OIL FILTER (QT-118-CD) PUMP	AUXILIARY	579.00	CD EDG LUBE OIL PIT,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
28	5	1-QT-130-AB1	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
29	5	1-QT-130-AB2	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
30	5	1-QT-130-CD1	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
31	5	1-QT-130-CD2	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
32	5	1-QT-135-AB	0	DIESEL JACKET WATER / AB EMERG DIESEL AUX JACKET WATER PUMP	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
33	5	1-QT-135-CD	0	DIESEL JACKET WATER / CD EMERG DIESEL AUX JACKET WATER PUMP	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
34	7	1-SV-120-AB	0	DIESEL STARTING AIR / 1-XTC-301 AND 1-XTC-302 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
35	7	1-SV-120-CD	0	DIESEL STARTING AIR / 1-XTC-306 AND 1-XTC-307 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
36	7	1-SV-139-AB	0	DIESEL STARTING AIR / AB EMERG DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
37	7	1-SV-139-CD	0	DIESEL STARTING AIR / CD EMERG DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
38	7	1-SV-16-AB	0	ESSENTIAL SERVICE WA / AB EMERGENCY DIESEL JACKET WATER COOLER QT-131-AB ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM, SE PART OF THE RM, AT THE WEST END OF AB EMERG. DIESEL JACKET WATER COOLER #1-QT-131-AB, 10 FT ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
39	7	1-SV-16-CD	0	ESSENTIAL SERVICE WA / CD EMERGENCY DIESEL JACKET WATER COOLER QT-131-CD ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, SE PART OF THE RM, 5 FT EAST OF THE CD EMERG. DIESEL GENERATOR RM DOORWAY, 10 FT ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
40	7	1-SV-200-AB	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
41	7	1-SV-200-CD	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/16/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
42	7	1-SV-201-AB1	0	DIESEL FUEL OIL / AB EMERG DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
43	7	1-SV-201-AB2	0	DIESEL FUEL OIL / AB EMERG DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM, IN MIDDLE WEST REGION OF THE RM, ON THE TOP SIDE OF AB EDG, 10' ABOVE THE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
44	7	1-SV-201-CD1	0	DIESEL FUEL OIL / CD EMERG DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	7	1-SV-201-CD2	0	DIESEL FUEL OIL / CD EMERG. DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, IN NE CORNER OF CD EDG, 10' ABOVE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	7	1-SV-61-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-AB SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM, IN THE NE CORNER OF THE RM, 1 FT SOUTH OF AB EMERG. DIESEL AUXILIARY JACKET WATER HEATER	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	7	1-SV-61-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-CD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, IN THE NE PART OF THE RM, NEAR THE EAST WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	7	1-SV-78-AB1	0	DIESEL STARTING AIR / AB EMERG DIESEL STARTING AIR RECEIVER 1 QT-141-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	7	1-SV-78-AB2	0	DIESEL STARTING AIR / AB EMERG DIESEL STARTING AIR RECEIVER QT-141-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM, IN SW REGION OF RM, ON THE NE SIDE OF AB EDG STARTING AIR RECEIVER #1-QT-141-AB2, 5' ABOVE THE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	7	1-SV-78-CD1	0	DIESEL STARTING AIR / CD EMERG DIESEL STARTING AIR RECEIVER QT-141CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, IN THE NW PART OF THE RM, SW OF CD EMERG. DIESEL STARTING AIR RECEIVER #1-QT-141-CD1	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	7	1-SV-78-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER(QT-141-CD2) SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, IN THE NW PART OF THE RM, SW OF CD EMERG. DIESEL STARTING AIR RECEIVER #1-QT-141-CD2	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	7	1-SV-79-AB1	0	DIESEL STARTING AIR / AB EMERG DIESEL CONTROL AIR DRYER QT-143-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	7	1-SV-79-AB2	0	DIESEL STARTING AIR / AB EMERG DIESEL CONTROL AIR DRYER QT-143-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	7	1-SV-79-CD1	0	DIESEL STARTING AIR / CD EMERG DIESEL CONTROL AIR DRYER QT-143-CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM, 15 FT WEST OF THE CD EMERG. DIESEL GENERATOR RM DOORWAY, NEAR THE SO. WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I. Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
55	7	1-SV-79-CD2	0	DIESEL STARTING AIR / CD EMERG DIESEL CONTROL AIR DRYER QT-143-CD2 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	7	1-WRV-721	0	ESW / AB EMERG DIESEL SOUTH COMBUSTIONAIR AFTERCOOLER HE-47ABS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	7	1-WRV-723	0	ESW / AB EMERG DIESEL GENERATOR NORTH COMBUSTION AIR AFTERCOOLER HE-47ABN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	7	1-WRV-725	0	ESW / CD EMERG DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47CDS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
59	7	1-WRV-727	0	ESW / CD EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER HE-47-CDN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EDG RM, IN MIDDLE OF N. REGN OF RM, 4' N. OF E. END OF CD EMERGENCY DIESEL, 4' ABOVE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	7	1-XRV-220	0	DIESEL STARTING AIR / AB EMERG DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
61	7	1-XRV-221	0	DIESEL STARTING AIR / AB EMERG DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
62	7	1-XRV-222	0	DIESEL STARTING AIR / AB EMERG DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
63	7	1-XRV-225	0	DIESEL STARTING AIR / CD EMERG DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
64	7	1-XRV-226	0	DIESEL STARTING AIR / CD EMERG DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
65	7	1-XRV-227	0	DIESEL STARTING AIR / CD EMERG DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
66	8	1-HV-DDP-AB1	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EDG RM, 12' W OF THE RM'S ENTRANCE, 9' NW OF AB EMERGENCY DIESEL FUEL OIL DAY TANK # 1-QT-107AB	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
67	8	1-HV-DDP-AB2	0	DIESEL ROOM VENTILAT / DIESEL GENERATOR ROOM 1AB VENTILATION SUPPLY FAN HV-DGS-1 TEMPERING AIR DAMPER 1-HV-DDP-ABZ	AUXILIARY	587.00	AB EDG RM, 22 FEET E OF AB EMERGENCY DIESEL FUEL OIL DAY TANK # 1-QT-107-AB, 12 FEET FROM THE N WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
68	8	1-HV-DDP-CD1	0	DIESEL ROOM VENTILAT / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EDG RM, IN MIDDLE SW REGN OF RM, NEAR THE S WALL, 10' ABOVE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
69	8	1-HV-DDP-CD2	0	DIESEL ROOM VENTILAT / DIESEL GEN ROOM 1 CD VENTILATION SUPPLY FAN 1-HV-DGS-2 TEMPERING AIR DAMPER 1-HV-DDP-CD2	AUXILIARY	587.00	CD EDG RM, IN SE REGN OF RM, NEAR E WALL, 10' ABOVE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
70	8	1-LSO-240	0	DIESEL LUBE OIL / AB EMERG DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 1	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

J. Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
71	8	1-LSO-241	0	DIESEL LUBE OIL / AB EMERG DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 2	AUXILIARY	587.00	AB EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
72	8	1-LSO-245	0	DIESEL LUBE OIL / CD EMERG DIESEL GENERATOR UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 1	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
73	8	1-LSO-246	0	DIESEL LUBE OIL / CD EMERG DIESEL GENERATOR UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 2	AUXILIARY	587.00	CD EMER DSL GEN RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
74	9	1-HV-DGS-1	0	DIESEL ROOM VENTILAT / AB EMERG DIESEL GENERATOR VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EDG RM, IN THE SE REGN OF THE RM, 35' SE OF THE RMS ENTRANCE, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
75	9	1-HV-DGS-2	0	DIESEL ROOM GENERATO / CD EMERG DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EDG RM, IN SE REGN OF THE RM, 20' E OF CD EDG, 10' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
76	9	1-HV-DGS-3	0	DIESEL ROOM VENTILAT / AB EMERG DIESEL GENERATOR ROOM CONTROL PANEL VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EDG RM,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
77	9	1-HV-DGS-4	0	DIESEL ROOM VENTILAT / CD EMERG DIESEL GENERATOR ROOM CONTROL PANEL VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
78	9	1-HV-DGX-1	0	DIESEL ROOM VENTILAT / AB EMERG DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	AB EDG RM, IN THE NW REGN OF THE RM, ABOVE AB EDG STARTING AIR COMPRESSOR #1-QT-142-AB2, 13' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
79	9	1-HV-DGX-2	0	DIESEL ROOM VENTILAT / CD EMERG DIESEL GENERATOR VENTILATION EXHAUST FAN	AUXILIARY	587.00	CD EDG RM, IN THE MIDDLE SW REGN OF THE RM, 10' SW OF CD EDG, 10' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
80	12	1-QT-502-AB	0	DIESEL COMBUSTION AI / AB EMERG DIESEL TURBOCHARGER	AUXILIARY	587.00	AB EDG RM, IN THE NW REGN OF THE RM, 5' NE OF THE ENGINE END OF AB-EDG, 10' ABOVE THE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
81	12	1-QT-502-CD	0	DIESEL COMBUSTION AI / CD EMERG DIESEL TURBOCHARGER	AUXILIARY	587.00	CD EDG RM, IN THE MIDDLE E PART OF THE RM, ON THE DIESEL END OF CD EDG, 10' ABOVE THE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
82	14	1-AFW	0	120/208V MISC. SAFTE / POWER PANEL	AUXILIARY	587.00	CD EDG RM, 10 FEET NW OF CD EMERGENCY DIESEL GENERATOR #1-OME-150-CD, ON THE N WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I.C. Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
83	14	1-AFWX	0	120/208V MISC SAFETY / 120/208 VAC AUXILIARY FEEDWATER DISTR PNL	AUXILIARY	587.00	CD EDG RM, IN NW REGN OF RM, 5 FT. N OF NE END OF EMERG DIESEL GEN CD, ON THE N WALL, 5 FT. ABOVE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
84	14	1-ELSC	0	120/208V MISC SAFETY / POWER PANEL	AUXILIARY	587.00	AB EDG RM, IN THE NE REGN OF THE RM, ON THE N WALL, 20 FEET E OF THE RMS ENTRANCE DOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
85	14	1-ELSCX	0	120/208V MISC SAFETY / 120/208VAC EMERG LOCAL SHUTDOWN AUXILIARY DISTRIBUTION PANEL	AUXILIARY	587.00	AB EDG RM, IN SE REGN OF RM, ON S WALL, 10 FT. S OF AB EMERG DIESEL GEN	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
86	17	1-OME-150-AB	0	DIESEL GENERATOR CON / AB EMERG DIESEL GENERATOR	AUXILIARY	587.00	AB EDG RM, IN THE CENTER OF THE RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
87	17	1-OME-150-CD	0	DIESEL GENERATION CO / CD EMERG DIESEL GENERATOR	AUXILIARY	587.00	CD EDG RM, IN THE CENTER OF THE RM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
88	18	1-CPS-312	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP QT-130-AB1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM, 5 FT SE OF DGAB RM DOORWAY, IN THE WEST DOOR OF PANEL DGAB, 6 FT ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
89	18	1-CPS-314	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP QT-130-AB2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM, 5 FT SE OF DGAB RM DOORWAY, IN THE WEST DOOR OF PANEL DGAB, 7 FT ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No	No
90	18	1-CPS-317	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP QT-130-CD1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM, 5 FT WEST OF THE DGCD DOORWAY, IN THE DGCD PANEL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
91	18	1-CPS-319	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP QT-130-CD2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM, 5 FT WEST OF DGCD DOORWAY, IN THE DGCD PANEL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes	Yes
92	18	1-LLS-120	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH 1	AUXILIARY	587.00	AB EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	Yes	No	
93	18	1-LLS-121	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH 1	AUXILIARY	587.00	AB EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	Yes	No	
94	18	1-LLS-122	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH 2	AUXILIARY	587.00	AB EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	Yes	No	

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/14/95
Date

I.C. Huang
Print or Type Name

I.C. Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
95	18	1-LLS-123	0	DIESEL FUEL OIL / AB EMERG DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH 2	AUXILIARY	587.00	AB EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	Yes	No
96	18	1-LLS-125	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWITCH 1	AUXILIARY	587.00	CD EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
97	18	1-LLS-126	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH 1	AUXILIARY	587.00	CD EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
98	18	1-LLS-127	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWMCH 2	AUXILIARY	587.00	CD EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
99	18	1-LLS-128	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH 2	AUXILIARY	587.00	CD EDG RM, "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
100	18	1-XPS-300	0	DIESEL COMBUSTION AI / AB EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM, 5 FT SE OF AB EMERG. DIESEL GEN. RM DOORWAY, ON THE NORTH WALL, INSIDE AB EMERG. DIESEL GENERATOR CONTROL SUBPANEL #1-DGAB	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
101	18	1-XPS-305	0	DIESEL COMBUSTION AI / CD EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM, 5 FT WEST OF CD EDG RM DOORWAY, INSIDE CD EMERG. DIESEL GENERATOR SUBPANEL #1-DGCD	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
102	19	1-VTS-341	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-1 AND HV-DGS-1 THERMOSTAT	AUXILIARY	587.00	AB EDG RM, 24" W OF RM ENTRANCE, 15' ABOVE FLR, ON AB EMERGENCY DSL GENERATOR RM VENTILATION EXHAUST FIRE DAMPER 1-HV-DGX-FD-1	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
103	19	1-VTS-345	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	AB EDG RM,	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
104	19	1-VTS-346	0	DIESEL ROOM VENTILAT / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-2 AND HV-DGS-2 THERMOSTAT	AUXILIARY	587.00	CD EDG RM, IN SW REGN OF RM, 15' S. OF THE GENERATOR END OF CD GENERATOR 1-OME-1SO-CD, ON THE W. SIDE OF EXHAUST FAN 1-HV-DGX-2, 12' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

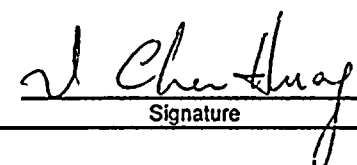
Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/19/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
105	20	1-DGAB-X	0	EQUIP CTRL AND INDIC / AB EMERGENCY DIESEL GENERATOR OME-150-AB AUXILIARY PANEL	AUXILIARY	587.00	AB EMER DSL GEN RM, IN THE MIDDLE WEST REGION OF THE RM, NEAR THE CENTER OF THE WEST WALL, 5 FT NORTH OF AB EDG STARTING AIR RECEIVER #1-QT-141-AB1	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
106	20	1-DGCD-X	0	EQUIP CTRL AND INDIC / CD EMERGENCY DIESEL GENERATOR OME-150-CD AUXILIARY SUBPANEL	AUXILIARY	587.00	CD EMER DSL GEN RM, IN THE WEST REGION OF THE RM, 4 FT SOUTH OF CD EMERG. DIESEL STARTING AIR RECEIVER #1-QT-141-CD1	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
107	0	1-POV-2-AB	0	STARTING AIR SYST / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	AB EDG RM, IN THE SE REGN OF THE RM, ON THE SE END OF THE DIESEL END OF AB EDG	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
108	0	1-POV-2-CD	0	STARTING AIR SYST / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	CD EDG RM,	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	N/A	Yes	Yes	Yes
109	5	1-QT-111-AB	0	AB EMERG DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	AB EDG LUBE OIL PIT, IN THE MIDDLE REGN OF THE PIT, NEAR THE FLR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Henry B. J...
Signature

11/19/96
Date

I.C. Huang
Print or Type Name

Chen Huang
Signature

1-20-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	14	1-BATT-AB-SH	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-AB AMMETER SHUNT	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN CENTER OF THE RM, ON PLANT BATTERY AB CONTROL PANEL #1-BC-AB	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	14	1-BATT-CD-SH	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-CD AMMETER SHUNT	AUXILIARY	626.00	CD BATT EQUIP AREA, IN N END OF THE RM, ON PLANT BATTERY CD CONTROL PANEL #1-BC-CD	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	14	1-BATT-N-SH	0	250VDC CONTROL AND I / METERING SHUNT	AUXILIARY	633.00	HALLWAY,	633.00	N/A	1.5 x Bounding Spectrum vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	14	1-BC-AB-SH	0	250 VDC DISTRIBUTION / PLANT BATTERY CHARGER AMMETER BC-AB SHUNT CABINET	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN CENTER OF RM, ON PLANT BATTERY AB CONTROL PANEL 1-BC-AB	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	14	1-BC-CD-SH	0	250V DC DISTRIBUTION / PLANT BATTERY CHARGER BC-CD SHUNT CABINET	AUXILIARY	626.00	CD BATT EQUIP AREA, IN N END OF THE RM, ON THE PLANT BATTERY CD CONTROL PANEL #1-BC-CD	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	14	1-BCTC-AB	0	250V DC DISTRIBUTION / PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER PANEL	AUXILIARY	613.00	4KV RM, Mezzanine Area, IN SW REGN OF THE RM, 2 FT E OF PLANT BATTERY CHARGER #1-BC-AB2, 4 FT W OF THE E WALL	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	14	1-BCTC-CD	0	250V DC DISTRIBUTION / PLANT BATTERY CHARGERS BC-CD1 AND BC-CD2 TRANSFER PANEL	AUXILIARY	626.00	CD BATT EQUIP AREA, IN N END OF THE RM, 4 FT NE OF PLANT BATTERY CHARGER #1-BC-CD1	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	14	1-CCV-AB	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM, ON THE E WALL, 15 FEET S OF THE N WALL	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	14	1-CCV-CD	0	250VDC DISTRIBUTION / 250VDC TRAIN 'A' CRITICAL SOLENOID VALVES DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM, ON THE E WALL, ON CONTROL RM E REAR INSTRUMENT RELAY RACK #1-ERR	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	14	1-CRAB	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	633.00	CONTROL RM, ON THE REAR SIDE OF NON-ESSENTIAL SERVICE WATER CONTROL PANEL #1-NSW	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	14	1-CRCD	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	633.00	CONTROL RM, IN THE SW PART OF THE RM, 2 FEET NE OF UNIT 2 HOT SHUTDOWN PANEL #2-HSD2	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	14	1-CRID-I	0	120VAC CONTROL ROOM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CH-I	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	14	1-CRID-II	0	120V AC DISTRIBUTION / 120V AC CONTROL ROOM INSTRUMENT DISTRIBUTION CH-II	AUXILIARY	633.00	CONTROL RM, IN NE CORNER OF THE RM, ON E WALL, 8 FT S OF N WALL	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	14	1-CRID-III	0	120VAC CONTROL ROOM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CH-III	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM, ON THE E WALL, ON CONTROL RM E REAR INSTRUMENT RELAY RACK #1-ERR	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	14	1-CRID-IV	0	120VAC CONTROL ROOM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CH-IV	AUXILIARY	633.00	CONTROL RM, IN THE NE CORNER OF THE RM, ON THE E WALL, ON CONTROL RM E REAR INSTRUMENT/RELAY RACK #1-ERR	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	14	1-DCN	0	250VDC CONTROL AND I / 250VDC POWER PANEL	AUXILIARY	633.00	HALLWAY, 15 FEET SE OF THE UNIT 1 CONTROL RM EMERGENCY EXIT DOOR, ON THE E WALL, IN THE MIDDLE E PART OF THE HALLWAY	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	14	1-MCAB	0	250V DC DISTRIBUTION / 250V DC DISTRIBUTION PANEL MCAB	AUXILIARY	609.00	AB BATT EQUIP AREA, IN MIDDLE N REGN OF THE RM, 6 FT N OF AB BATTERY FIRE DOOR, ON THE N WALL	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis [Signature] 12/14/95 I.C. Huang [Signature] 1-15-96
 Print or Type Name Signature Date Print or Type Name Signature Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
18	14	1-MCCD	0	250V DC DISTR / 250V DC DISTRIBUTION POWER PANEL	AUXILIARY	626.00	CD BATT EQUIP AREA, IN S END OF THE HALLWAY, ON THE WESST WALL, 2 FT N OF THE RMS ENTRANCE DOOR.	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	14	1-MDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATT EQUIP AREA, IN THE MIDDLE N REGN OF THE RM, 6 FEET N OF AB BATTERY EQUIPMENT AREA FIRE DOOR, ON THE N WALL	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	14	1-MDCD	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	626.00	CD BATT EQUIP AREA, IN THE S END OF THE HALLWAY, ON THE W WALL, 8 FEET NW OF THE RMS ENTRANCE DOOR	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	14	1-SSV-A1	0	250VAC DISTRIBUTION / 250VDC TRAIN 'A' NUCLEAR SAMPLING FEEDER PANEL #1	AUXILIARY	587.00	NUCLEAR SAMPLING RM, IN THE MIDDLE S REGN OF THE RM, ON THE S END OF THE NUCLEAR SAMPLING SYSTEM SMAPLING CONTROL PANEL #1-SCP, 5FT ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	14	1-SSV-A2	0	250VDC / 250VDC NUCLEAR SAMPLING FEEDER PANEL #2	AUXILIARY	587.00	NUCLEAR SAMPLING RM, IN THE MIDDLE OF THE RM, ON THE S END OF THE NUCLEAR SAMPLING CONTROL PANEL #1-SCP, 3 FEET ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
23	14	1-SSV-B	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM, IN THE MIDDLE N REGN OF THE RM, ON THE N END OF THE RM PANEL #1-SCP, 4 FEET ABOVE THE FLR	587.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
24	14	1-TDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATT EQUIP AREA, IN THE NEASST REGN OF THE RM, 2 FEET N OF THE ENTRANCE DOOR, ON THE N WALL	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	14	1-TDCD	0	250VDC DISTRIBUTION / POWER PANEL, TRAIN A TRANSFER CABINET	AUXILIARY	626.00	CD BATT EQUIP AREA, AT THE SOTH END OF THE HALLWAY, ON THE W WALL, 10 FEET NW OF THE RMS ENTRANCE DOOR	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
26	14	1-VDAB-1	0	250V DC DISTR / 250V DC VALVE DISTRIBUTION PANEL VDAB-1	AUXILIARY	633.00	CONTROL RM, BEHIND CONDENSATE CONTROL PUMP PANEL #1-CP	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
27	14	1-VDAB-2	0	250VDC DISTR / 250V DC VALVE DISTRIBUTION PANEL VDAB-2	AUXILIARY	633.00	CONTROL RM, ON THE REAR SIDE OF CONDENSATE PUMP CONTROL PANEL #1-CP	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
28	14	1-VDCD-1	0	250VDC DISTR / 250V DC VALVE DISTRIBUTION PANEL VDCD-1	AUXILIARY	633.00	CONTROL RM, ON REAR SIDE OF S.G. AND AUX FEED PUMP CONTROL PANEL #1-SG, ON THE N WALL	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
29	14	1-VDCD-2	0	250V DC DISTR / 250V DC DISTRIBUTION PANEL VDCD-2	AUXILIARY	633.00	CONTROL RM, BEHIND S.G. AND AFW PUMP CONTROL PANEL #1-SG, ON THE N WALL OF THE RM	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
30	15	1-BATT-AB	0	250V DC DISTRIBUTION / PLANT BATT AB	AUXILIARY	609.00	AB BATT EQUIP AREA, IN THE CENTER OF THE RM, S OF THE PARTITION WALL	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
31	15	1-BATT-CD	0	250V DC DISTRIBUTION / PLANT BATT CD	AUXILIARY	626.00	CD BATT EQUIP AREA, IN THE CENTER OF THE N END OF THE RM	650.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
32	15	1-BATT-N	0	250VDC CONTROL AND I / TRAIN N PLANT BATTERY	AUXILIARY	633.00	HALLWAY,	633.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis [Signature] 12/14/95 I.C. Huang [Signature] 1-15-96
 Print or Type Name Signature Date Print or Type Name Signature Date

DC CO UNIT 1
SCREENING VERIFICATION DATA SHEET (SVDS)

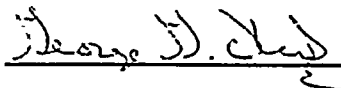
Item	Eq Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-CRV-410	0	CCW / DEMINERALIZED MAKEUP WATER TO CCW SURGE TANK 'A' 1.5 AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00	HALLWAY,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
2	7	1-CRV-411	0	CCW / DEMINERALIZED MAKEUP WATER TO CCW SURGE TANK 'B' 1.5 AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00	HALLWAY,	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	1-DCR-301	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 BLOWDOWN SAMPLE DSR-301 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, ON THE E END, BELOW THE PLATFORM GRATING.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	7	1-DCR-302	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 BLOWDOWN SAMPLE DSR-302 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, ON THE E END, BELOW THE PLATFORM GRATING.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	1-DCR-303	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 BLOWDOWN SAMPLE DSR-303 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, ON THE E END, BELOW THE PLATFORM GRATING.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	1-DCR-304	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 BLOWDOWN SAMPLE DSR-304 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, ON THE E END, BELOW THE PLATFORM GRATING.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	7	1-DCR-310	0	BLOWDOWN / STEAM GENERATOR OME-3-1 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE SE PART OF RM, ON THE CONT WALL SIDE OF THE 601 EL. PLATFORM, 5' ABOVE THE PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	N/A	No	No
8	7	1-DCR-320	0	BLOWDOWN / STEAM GENERATOR OME-3-2 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE SE REGN OF RM, ON THE CONT WALL SIDE OF THE 601 EL. PLATFORM, 5' ABOVE THE PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	N/A	No	No
9	7	1-DCR-330	0	BLOWDOWN / STEAM GENERATOR OME-3-3 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE SE REGN OF THE RM, ON THE CONT WALL SIDE OF 601 EL. PLATFORM, 5' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
10	7	1-DCR-340	0	BLOWDOWN / STEAM GENERATOR OME-3-4 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE SE REGN OF THE RM, ON THE CONT WALL SIDE OF THE 601 EL. PLATFORM, 5' ABOVE THE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
11	7	1-GCR-314	0	NITROGEN (REACTOR PL / NITROGEN SUPPLY TO ACCUMULATOR TANKS CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN SE REGN OF RM, NEAR CONT PENETRATION #1-CPN-32, 5' ABOVE THE 601 EL. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
12	7	1-IRV-260	0	SAFETY INJECTION / SAFETY INJECTION TEST LINE SHUTOFF 0.75 AIR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 5' NE OF N U#2 SI PUMP, IN THE NE CORNER OF THE RM, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/10/95

I.C. Huang



1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

DC CO UNIT 1
SCREENING VERIFICATION DATA SHEET (SVDS)

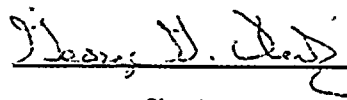
Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	7	1-MCR-251	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 STEAM SAMPLE MSX-101 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, IN E REGN OF RM, ON THE 596 EL PLATFORM, 1' UNDERNEATH THE 601 ELEV. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
14	7	1-MCR-252	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 STEAM SAMLPE MSX-102 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, IN E REGN OF RM, ON THE 596 ELEV. PLATFORM, 1' UNDERNEATH THE 601 ELEV. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
15	7	1-MCR-253	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 STEAM SAMPLE MSX-103 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, IN THE E REGN OF RM, ON THE 596 ELEV. PLATFORM, 1' UNDERNEATH THE 601 ELEV. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
16	7	1-MCR-254	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 STEAM SAMPLE MSX-104 0.5 AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE, IN THE E REGN OF RM, ON THE 596 ELEV. PLATFORM, 1' UNDERNEATH THE 601 ELEV. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
17	7	1-QRV-251	0	CVCS / SEAL INJECTION WATER FLOW 2 AIR OPERATED CONTROL VALVE	AUXILIARY	587.00	RECIPROCATING CHARGING PUMP RM, IN THE SW REGN OF THE RM, 5' W OF RECIPROCATING CHG PP, 5' ABOVE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
18	7	1-QRV-411	0	CVCS (BORON MAKEUP) / NORTH BORIC ACID FILTER TO CVCS CHARGING PUMPS AND NORTH BORIC ACID BLENDER 1 AIR OPERATED FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN NE REGN OF RM, 4' E OF N BAST 1-TK-12N, 4' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
19	7	1-SV-101	0	NITROGEN (REACTOR PL / NITROGEN SUPPLY HEADER TO ACCUMULATOR TANKS SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 18 FT NORTH OF THE SO. WALL, 601 ELEVATION PLATFORM, BELOW CPN-32	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
20	7	1-SV-121	0	CCW / 1-DRA-300 SAMPLE HEAT EXCHANGERS CCW RETURN HEADER SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 10 FT NW OF THE VESTIBULE DOORWAY	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
21	7	1-SV-56	0	CVCS / CHARGING PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	RECIPROCATING CHRNG PMP RM, AT THE NW CORNER OF THE RECIPROCATING CHARGING PUMP #1-PP-49.8 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
22	7	1-SV-60	0	COMPONENT COOLING WA / COMPONENT COOLING WATER SURGE TANK TK-37 SAFETY VALVE	AUXILIARY	650.00	HALLWAY, IN THE NW PART OF THE HALLWAY, ON TOP OF THE CCW SURGE TANK 1-TK-37	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
23	7	1-SV-66	0	COMPONENT COOLING WA / CCW TO NORTH BORIC ACID EVAP DRUM 12-HE-19-DN SAFETY VALVE	AUXILIARY	587.00	HALLWAY, 10 FT ABOVE NORTH BORIC ACID EVAPORATOR RM DOOR, NORTH OF THE 598 EL PLATFORM.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
24	7	1-SV-72W	0	COMPONENT COOLING WA / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	633.00	HALLWAY, 20 FT SOUTH OF THE N-TRAIN BATTERY RM, ON THE SE PART OF THE 645 ELEVATION PLATFORM, NEAR THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
25	7	1-SV-96	0	REFUELING WATER STOR / SAFETY INJECTION PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM, 3 FT SE OF THE PUMP, 5 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

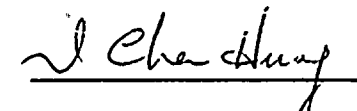
Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/16/95

I.C. Huang



1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
26	7	1-SV-98N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM, 5 FT NE OF THE EAST END OF THE PUMP, IN THE NE CORNER OF THE RM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
27	7	1-SV-98S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM, 4 FT EAST OF THE SOUTH SAFETY INJECTION PUMP #1-PP-26S	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
28	7	12-QRV-410	0	CVCS / NORTH BAST TK-12N 2 AIR OPERATED INLET FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN NE REGN OF RM, 3' SE OF N BORIC ACID STORAGE TANK 1-TK-12N, 4' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
29	7	12-QRV-420	0	CVCS (BORON MAKEUP) / MIDDLES BAST TK-12M 2 AIR OPERATED INLET FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN MIDDLE E REGN OF RM, 3' SE OF MIDDLE BAST 12-TK-12M, 2' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
30	8	1-CCM-451	0	CCW / REACTOR COOLANT PUMPS BEARING OIL COOLERS CCW RETURN HEADER 'A' CONTAINMENT 8 MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 12' NE OF STARTUP BLOWDOWN FLASHTANK #1-TK-49, ON THE 596 EL. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
31	8	1-CCM-452	0	CCW / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER 'B' CONTAINMENT 8 MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 20' NE OF STARTUP BLOWDOWN FLASHTANK #1-TK-49, ON 596 EL. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
32	8	1-CCM-453	0	CCW / RCP THERMAL BARRIER CCW OUTLET 'A' CONTAINMENT 4 MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 12' SE OF THE WALKWAY OVER THE PIPE TUNNEL, 1' ABOVE THE 596 EL. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
33	8	1-CCM-454	0	CCW / RC PUMPS THERMAL BARRIER CCW RETURN HEADER 'B' CONTAINMENT 4 MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 8' SE OF THE WALKWAY OVER THE PIPE TUNNEL, 1' ABOVE 596 EL. PLATFORM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
34	8	1-CCM-458	0	CCW / CCW TO REACTOR COOLANT PUMPS TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 18' NW OF SG STARTUP BLOWDOWN FLASHTASK # 1-TK-49, NEAR PIPE TUNNEL, NEAR FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
35	8	1-CCM-459	0	CCW / CCW TO REACTOR COOLANT PUMPS TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM,	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
36	8	1-CMO-429	0	CCW / WEST RHR HEAT EXCHANGER HE-17W CCW OUTLET SHUTOFF VALVE	AUXILIARY	633.00	HALLWAY,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
37	8	1-FMO-221	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-2 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 18' S OF THE N WALL, ON THE E SIDE OF THE PIPE TUNNEL, 3' N OF THE WALKWAY OVER THE PIPE TUNNEL.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas

George G. Thomas

12/16/95

I.C. Huang

I.C. Huang

1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
38	8	1-FMO-222	0	AUX FEEDWATER / EAST MOTOR DRN AUX FEED PUMP PP-3E SUPPLY TO STEAM GENERATOR OME 3-2 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, 10' S OF THE N WALL, ON THE E SIDE OF THE PIPE TUNNEL, 12' S OF THE N END WALL.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
39	8	1-FMO-231	0	AUX FEEDWATER / TURBUNE DRN AUX FEED PP-4 PUMP SUPPLY TO STEAM GENERATOR OME 3-3 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, ON THE N END OF THE RM, ON THE E SIDE OF THE PIPE TUNNEL, 7' S OF THE N END WALL.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
40	8	1-FMO-232	0	AUX FEEDWATER / EAST MOTOR DRN AUX FEED PUMP PP-3E SUPPLY TO STEAM GENERATOR 3-3 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM, IN THE NW AREA OF THE RM, ON THE E SIDE OF THE PIPE TUNNEL, 3' S OF THE N END WALL.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
41	8	1-ICM-260	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 5' E OF THE E END OF N SAFETY INJECTION PUMP 1-PP-26N, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
42	8	1-ICM-265	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJECTION PUMP RM, IN SE PART OF RM, 5' SE OF S SAFETY INJECTION PUMP 1-PP-26S, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
43	8	1-ICM-305	0	RHR / RECIRCULATION SUMP TO EAST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION 18 MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE, INSIDE OF THE E RECIRC SUMP VALVE INCLOSURE # 1-TK-84	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
44	8	1-ICM-306	0	RHR / RECIRCULATION SUMP TO WEST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION 18 MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE, INSIDE OF THE W RECIRC SUMP VLV ENCLOSURE # 1-TK-85	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
45	8	1-IMO-261	0	REFUELING WATER STOR / TK-33 SUPPLY TO SAFETY INJECTION PUMP SHUTOFF 8 MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 7' SE OF N S.I. PUMP, IN THE SE CORNER OF THE RM.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
46	8	1-IMO-262	0	REFUELING WATER STOR / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'A' SHUTOFF 2 MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJECTION PUMP RM, IN NE AREA OF RM, 3' NE OF S SAFETY INJECTION PUMP 1-PP-26S, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
47	8	1-IMO-263	0	REFUELING WATER STOR / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'B' SHUTOFF 2 MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJECTION PUMP RM, IN SE PART OF RM, 6' E OF S SAFETY INJECTION PUMP 1-PP-26S, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas

George G. Thomas

12/16/95

I.C. Huang

I Chen Huang

1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

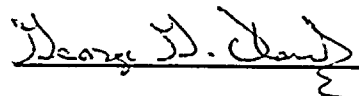
Item	Eq. Ct	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
48	8	1-IMO-270	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 5' SE OF N SAFETY INJECTION PUMP 1-PP-26N, NEAR S WALL, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
49	8	1-IMO-275	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJECTION PUMP RM, IN SE PART OF RM, 5' S OF S SAFETY INJECTION PUMP 1-PP-26S, NEAR S WALL, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
50	8	1-IMO-360	0	SAFETY INJECTION / SAFETY INJECTION PUMPS TO CVCS CHARGING PUMPS SUCTION HEADER CROSSTIE SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARGING PUMP RM, ON THE MIDDLE OF THE W WALL, 3 FT W OF W CENTRIFUGAL PP, 4 FT ABOVE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
51	8	1-IMO-361	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION 'A' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 3' N OF W END OF N SAFETY INJECTION PUMP.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
52	8	1-IMO-362	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMP 'B' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJECTION PUMP RM, 3' N OF MIDDLE OF N S.I. PUMP, 3' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
53	8	1-IMO-390	0	RHR / RWST TK-33 TO RHR PUMPS SUCTION SHUTOFF 12 MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE, 20' SE OF THE VESTIBULE'S DOORWAY, S OF THE VALVE TANKS.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
54	8	1-IMO-910	0	CVCS / RWST TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARGING PUMP RM, 5 FT NW OF RECIPROCATING CHG PP, NEAR W WALL, 5 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
55	8	1-IMO-911	0	CVCS / RWST TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARGING PUMP RM, IN THE NE PART OF THE RM, 3 FT E OF E CENTRIFUGAL CHG PP, 3 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
56	8	1-QCM-350	0	REACTOR COOLANT PUMP / RCP SEAL WATER RETURN 'B' CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE, AT THE NE PART OF 601 EL. PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
57	8	1-QMO-200	0	CVCS / CHARGING TO REGENERATIVE HEAT EXCHANGER 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARGING PUMP RM, IN THE NE CORNER OF THE RM, 4 FT NE OF RECIPROCATING CHG PUMP, 4 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
58	8	1-QMO-201	0	CVCS / CHARGING TO REGENERATIVE HEAT EXCHANGER 'B' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARGING PUMP RM, IN THE NE REGN OF THE RM, 4 FT E OF RECIPROCATING CHG PP, NEAR E WALL, 4 FT ABOVE THE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
59	8	1-QMO-225	0	CVCS / EAST CENTRIFUGAL CHARGING PUMP MINI FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARGING PUMP RM, IN NW AREA OF RM, ON THE W WALL, 3 FT W OF W CENTRIFUGAL CHG PP, 4 FT ABOVE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas



12/16/95

I.C. Huang



1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
60	8	1-QMO-226	0	CVCS / WEST CENTRIFUGAL CHARGING PUMP MINI FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARGING PUMP RM, IN NW AREA OF RM, 3 FT W OF W CENTRIFUGAL CHG PP, 4 FT ABOVE FLR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
61	8	1-QMO-410	0	CVCS / EMERG. BORATION TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	BORIC ACID STORAGE TANK AREA, IN NE PART OF RM, 3' E OF N BORIC ACID STORAGE TANK 1-TK-12N, 2' ABOVE FLR.	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
62	8	1-WMO-711	0	ESW / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESW INLET 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	HALLWAY,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
63	8	1-WMO-715	0	ESW / WEST CONTAINMENT SPRAY HEAT EXCHANGER HE-18W ESW INLET 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	HALLWAY,	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas

George G. Thomas

12/16/95

I.C. Huang

I.C. Huang

1-15-96

Print or Type Name

Signature

Date

Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl.	Equip. ID No.	Rev No.	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-SV-65	0	CCW / LETDOWN HEAT EXCHANGER HE-14 CCW OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY, 20 FT. NORTH OF THE FREIGHT ELEVATOR, 12 FT. ABOVE FLOOR.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	1-QRV-170	0	CVCS / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED OUTLET PRESSURE CONTROL VALVE	CONTAINMENT	612.00	REGENERATIVE HEAT EXCHANGER RM, ON THE CONTNMENT WALL SIDE OF THE RM, 1' FROM EXCESS LETDOWN HEAT EXCHANGER # 1-HE-13, 2' ABOVE THE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	1-QRV-171	0	CVCS / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED OUTLET DIVERSION VALVE	CONTAINMENT	612.00	REGENERATIVE HEAT EXCHANGER RM, ON THE CONTNMENT WALL SIDE OF THE RM, 1' FROM EXCESS LETDOWN HEAT EXCHANGER # 1-HE-13, 2' ABOVE THE FLR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Henry H. J...
Signature

1/19/96
Date

I.C. Huang
Print or Type Name

J Chen Huang
Signature

1-20-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-GRV-341	0	NITROGEN (REACTOR PL / NITROGEN SUPPLY TO ACCUMULATOR TANKS VENT TO ATMOS. VALVE	CONTAINMENT	598.00	ANNULUS, QUAD. #2, D2, F13,14. OK. ON CONT WALL SIDE OF WALKWAY, 1' FROM COLUMN #22, 3' ABOVE FLR.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	1-SV-102	0	/ SAFETY RELIEF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD 2	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	1-SV-103	0	/ SAFETY RELIEF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD 2	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	7	1-SV-122-37	0	CCW / REACTOR SUPPORT COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	598.00	ANNULUS QUAD 3, AZ:181 ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 1 FOOT FROM COLUMN 21, NEAR THE CEILING.	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	7	1-SV-62-1,2,3,4	0	CCW / REACTOR COOLANT PUMP PP-45-1,2,3,4 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD1	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	1-SV-63	0	CCW / REACTOR COOLANT PUMP MOTORS BEARING OIL COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	8	1-NSO-21	0	REACTOR COOLANT SYST / REACTOR VESSEL HEAD VENT 1 SOLENOID VALVE	CONTAINMENT	622.00	REACTOR VESSEL HEAD AREA	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	8	1-NSO-22	0	REACTOR COOLANT SYST / REACTOR VESSEL HEAD VENT 1 SOLENOID VALVE	CONTAINMENT	622.00	REACTOR VESSEL HEAD AREA	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	8	1-NSO-23	0	REACTOR COOLANT SYST / REACTOR VESSEL HEAD VENT 1 SOLENOID VALVE	CONTAINMENT	621.00	REACTOR VESSEL HEAD AREA	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	8	1-NSO-24	0	REACTOR COOLANT SYST / REACTOR VESSEL HEAD VENT 1 SOLENOID VALVE	CONTAINMENT	621.00	REACTOR VESSEL HEAD AREA	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
11	19	1-NTR-220	0	REACTOR COOLANT / REACTOR COOLANT LOOP 2 COLD LEG WIDE RANGE TEMP RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT QUAD 2, AZ 132, BETWEEN THE RCP #2 & THE SHIELD WALL, ON 617 EL. PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	7	1-SV-64	0	CCW / EXCESS LETDOWN HEAT EXCHANGER HE-13 CCW OUTLET SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD3	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis [Signature] 1/17/96 I.C. Huang [Signature] 1-20-96
 Print or Type Name Signature Date Print or Type Name Signature Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	1-SV-67-2	0	CCW / NUCLEAR SAMPLING SAMPLE RACK A CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM- ON UNIT 1 SAMPLE RACK A LOCATED IN THE NORTHWEST AREA OF THE ROOM, NORTHER END OF THE RACK	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	1-SV-67-3	0	CCW / NUCLEAR SAMPLING SAMPLE RACK B CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM - ON UNIT 1 SAMPLE RACK B LOCATED ON THE EAST END WALL, SOUTHERN END OF THE RACK	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	20	1-CG1	0	EQUIP CTRL AND INDIC / REACTOR PROTECTION CONTROL GROUP #1 CABINET #14, #15, & #16	AUXILIARY	633.00	CONTROL RM, IN THE MIDDLE OF THE SOUTH REGION OF THE RM, ON THE SO. WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	20	1-CG2	0	/ REACTOR PROTECTION CONTROL GROUP #2 CABINET #19	AUXILIARY	633.00	CONTROL RM, SW CORNER OF THE RM NEAR S WALL. *FULL WALKDOWN DONE DURING RHR WALKDOWN.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	20	1-CG3	0	EQUIP CTRL AND INDIC / REACTOR PROTECTION CONTROL GROUP #3, CABINET #20 AND #21	AUXILIARY	633.00	CONTROL RM, IN THE SE REGION OF THE RM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	20	1-CG4	0	EQUIP CTRL AND INDIC / REACTOR PROTECTION CONTROL GROUP #4, CABINET #22, #23, #24, & #25	AUXILIARY	633.00	CONTROL RM, IN THE SE REGION OF THE RM.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	20	1-RPC-I	0	/ REACTOR PROTECTION CHANNEL I CAB #1	AUXILIARY	633.00	CONTROL RM, ON THE REAR SIDE OF CONDENSATE HEATER LEVEL CONTROL PANEL #1-C, E OF CONDENSATE PANEL REAR INSTRUMENT/RELAY RACK #1-CR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	20	1-RPC-II	0	/ REACTOR PROTECTION CHANNEL II CABINET #5	AUXILIARY	633.00	CONTROL RM, IN THE NE REGN OF THE RM, ON THE REAR SIDE OF TURBINE CONTROL PANEL #1-T, NEAR TURBINE PANEL REAR INSTRUMENT/RELAY RACK #1-TR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	20	1-RPC-III	0	/ REACTOR PROTECTION CHANNEL III CABINET #10	AUXILIARY	633.00	CONTROL RM, IN THE NE REGN OF THE RM, ON THE REAR SIDE OF STEAM GENERATOR AND AUX FEED PUMP CONTROL PANEL #1-SG.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I. Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. CI	Equip. ID	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40?	Capacity vs. Demand. Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
10	20	1-RPC-IV	0	/ REACTOR PROTECTION CHANNEL IV CABINET #12	AUXILIARY	633.00	CONTROL RM, ON THE REAR SIDE OF CONDENSATE HEATER LEVEL CONTROL PANEL #1-C, NE OF CONDENSATE PANEL REAR INSTRUMENT/RELAY RACK #1-CR.	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	Yes	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I. Chen Huang
Signature

1-15-96
Date

APPENDIX B

DONALD C. COOK NUCLEAR PLANT - UNIT 2

**SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC REVIEW**

Donald C. Cook Nuclear Plant - Unit 2

SSEL Certification:

The information identifying the equipment required to bring the plant to a safe shutdown condition on this safe shutdown equipment list is, to be the best of our knowledge and belief, correct and accurate.

<u>Name</u>	<u>Signature</u>	<u>Date</u>
B. A. Svensson Operations	<u>B. A. Svensson</u>	<u>1/21/96</u>
G. P. Arent Operations	<u>G. P. Arent</u>	<u>12-15-95</u>
J. V. Ruparel Systems	<u>J. V. Ruparel</u>	<u>Dec 15, 95.</u>
H. W. Young Systems	<u>Harold W. Young III</u>	<u>12/15/95</u>
R. C. Steele Electrical	<u>R. C. Steele</u>	<u>12-15-95</u>
T. R. Satyan Sharma Project Manager	<u>T. R. Satyan Sharma</u>	<u>12/15/95</u>

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
0	12	12-HE-19S	0	BORON RECOVERY (CVCS) / SOUTH BORIC ACID EVAPORATOR SKID	AUXILIARY	587.00	S BORIC ACID EVAP RM
0	12	12-HE-25A	0	RADIOACTIVE WASTE EVAPORATOR (15GPM) / 15GPM RADIOACTIVE WASTE EVAPORATOR HE-25 CONDENSER	AUXILIARY	587.00	15 GPM WASTE EVAP RM
0	12	12-HE-25B	0	RADIOACTIVE WASTE EVAPORATOR (15GPM) / 15 GPM RADIOACTIVE WASTE EVAPORATOR HE-25 DISTILLATE COOLER	AUXILIARY	587.00	15 GPM WASTE EVAP RM
0	12	12-HE-25C	0	RADIOACTIVE WASTE EVAPORATOR (15GPM) / 15 GPM RADIOACTIVE WASTE EVAPORATOR HE-25 CONCENTRATES COOLER	AUXILIARY	587.00	15 GPM WASTE EVAP RM
0	2	2-MRV-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 STOP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
0	1	2-MRV-220	0	MAIN STEAM / STEAM GENERATOR OME-3-2 STOP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
0	1	2-MRV-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 STOP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
0	2	2-MRV-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 STOP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
0	2	2-OME-34E	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
0	1	2-OME-34W	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
0	12	2-OME-39	0	MAIN STEAM / AUXILIARY FEED PUMP TURBINE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
0	1	2-POV-1-AB	0	STARTING AIR / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-POV-1-CD	0	STARTING AIR / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	2-POV-2-AB	0	STARTING AIR SYSTEM / PILOT OPERATED 4-WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	AB DIESEL GENERATOR ROOM
0	2	2-POV-2-CD	0	STARTING AIR SYSTEM / PILOT OPERATED 4-WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	AUXILIARY	587.00	CD EMERGENCY DIESEL GENERATOR ROOM
0	12	2-QC-12	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID FILTER	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
0	1	2-QT-100-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND
0	2	2-QT-100-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND
0	1	2-QT-101-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-QT-101-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	2-QT-104-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL EXHAUST SILENCER	GROUND	609.00	INNER PLANT GROUND
0	2	2-QT-104-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL EXHAUST SILENCER	GROUND	609.00	INNER PLANT GROUND
0	1	2-QT-112-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	2-QT-112-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
0	1	2-QT-113-AB1	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #1	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	1	2-QT-113-AB2	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #2	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	2-QT-113-CD1	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #1	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
0	2	2-QT-113-CD2	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #2	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
0	2	2-QT-116-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL HEATER TANK	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	2-QT-116-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL HEATER TANK	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
0	1	2-QT-118-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	2-QT-118-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
0	1	2-QT-143-AB1	0	DIESEL CONTROL AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER #1	AUXILIARY	587.00	AB EMER DSL GEN RM
0	1	2-QT-143-AB2	0	DIESEL CONTROL AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER #2	AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-QT-143-CD1	0	DIESEL CONTROL AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER #1	AUXILIARY	587.00	CD EMER DSL GEN RM
0	2	2-QT-143-CD2	0	DIESEL CONTROL AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER #2	AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	2-QT-144-AB	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-QT-144-CD	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	CD EMER DSL GEN RM
0	12	2-TK-253-1	0	CONTROL AIR / PRESSURIZER TRAM 'A' PRESSURE RELIEF VLV NRV-153 RESERVE CONTROL AIR BOTTLE RACK	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
0	12	2-TK-253-2	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE NRV-153 RESERVE CONTROL AIR BOTTLE RACK	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
0	12	2-TK-253-3	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VLV NRV-152 EMERGENCY AIR BOTTLE RACK	CONTAINMENT	650.00	UPPER CONT, QUAD 4
0	12	2-TK-253-4	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VLV NRV-153 EMERGENCY AIR BOTTLE RACK	CONTAINMENT	650.00	UPPER CONT, QUAD 4
0	1	2-TT-DGAB	0	STARTING AIR / 2AB DIESEL GENERATOR TUBE TRACK	AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-TT-DGCD	0	STARTING AIR / 2CO DIESEL GENERATOR TUBE TRACK	AUXILIARY	587.00	CD EMER DSL GEN RM
1	1	2-AB-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AB-A	AUXILIARY	587.00	587 HALLWAY
1	2	2-AB-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AB-D	AUXILIARY	587.00	587 HALLWAY
1	12	2-AB-N	0	250VDC CONTROL AND INSTRUMENTATION / CONTROL CENTER VALVE	AUXILIARY	587.00	587 HALLWAY
1	1	2-ABD-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-A	AUXILIARY	587.00	AB EMER DSL GEN RM
1	1	2-ABD-B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-B	AUXILIARY	587.00	AB EMER DSL GEN RM
1	2	2-ABD-C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-C	AUXILIARY	587.00	CD EMER DSL GEN RM
1	2	2-ABD-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-D	AUXILIARY	587.00	CD EMER DSL GEN RM
1	2	2-ABV-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER ABV-A	AUXILIARY	587.00	587 HALLWAY
1	2	2-ABV-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER ABV-D	AUXILIARY	587.00	587 HALLWAY
1	1	2-AM-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-A	AUXILIARY	633.00	633 HALLWAY
1	2	2-AM-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-D	AUXILIARY	633.00	633 HALLWAY
1	1	2-AZV-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER AZV-A	AUXILIARY	609.00	609 HALLWAY
1	1	2-EZC-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-A	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	1	2-EZC-B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-B	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	2	2-EZC-C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-C	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	2	2-EZC-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-D	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	1	2-PS-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER PS-A	SCREENHOUSE	594.00	TRAVEL SCRNM MCC UPPER RM
1	2	2-PS-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER PS-D	SCREENHOUSE	594.00	TRAVEL SCRNM MCC UPPER RM
2	1	2-21A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A1	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL SOUTH MOTOR- GENERATOR SET CRDMG-2S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A10	0	ELECTRICAL DISTRIBUTION, 600VAC / WEST TURBINE AUXILIARY COOLING WATER PUMP PP-14W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A2	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC AM-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A4	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH PLANT LIGHTING TRANSFORMER TR- LTG-9S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A5	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC ABD-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A6	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCCS AB-A, PS-A, TPP-A, AND VCCS ABV-A, AZV-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A8	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BORIC ACID HEAT TRACE CONTROL CENTER BHT-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A9	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC EZC-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21AC	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21A TO 600V BUS 21C TIE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B1	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC ABD-B SUPPLY BREAKER (2- ELSC)	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B10	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT AIR COMPRESSOR OME-41 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B12	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH NON-ESSENTIAL SERVICE WATER PUMP PP-8S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA

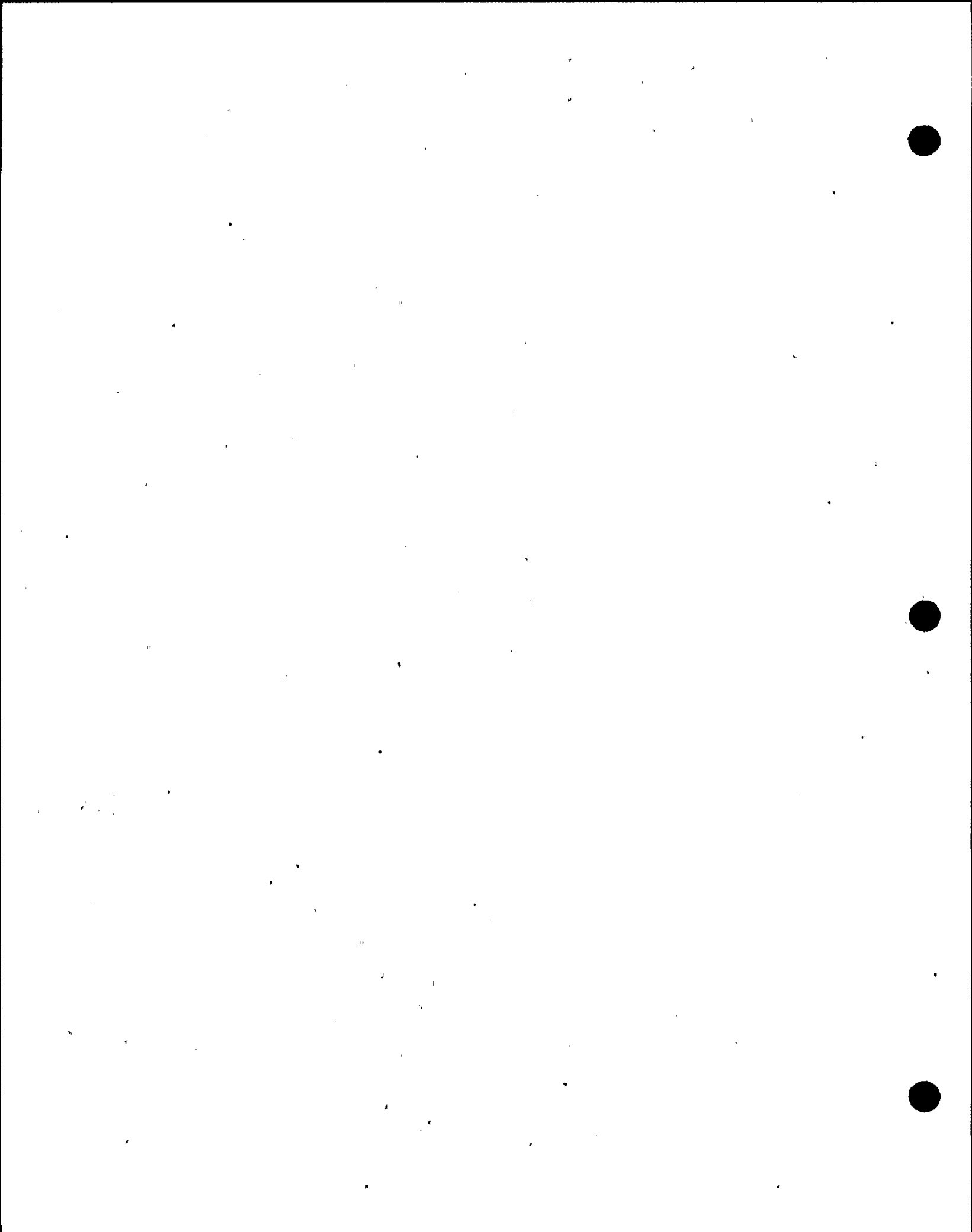


**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
2	1	2-21B13	0	ELECTRICAL DISTRIBUTION, 600VAC / TURBINE ROOM INDUCTION HEATING, STRESS RELIEF AND BOLT HEATERS SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B2	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC EZC-B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B3	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B5	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V MOTOR CONTROL CENTERS TBG-BW AND TBP-BN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B6	0	ELECTRICAL DISTRIBUTION, 600VAC / EAST TURBINE AUXILIARY COOLING WATER PUMP PP-14E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21B0	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B TO 600V BUS 21D TIE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C1	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C10	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC ABC-C AND 2-AFW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C12	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH SPENT FUEL PIT PUMP 12-PP-31S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C13	0	ELECTRICAL DISTRIBUTION, 600VAC / RECIPROCATING CHARGING PUMP PP-49 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C14	0	ELECTRICAL DISTRIBUTION, 600VAC / FIRE PROTECTION WATER HIGH DEMAND PUMP PP-11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C16	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER TBC-CN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C17	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH NON-ESSENTIAL SERVICE WATER PUMP PP-8N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C18	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN TURBINE AUXILIARY LUBE OIL PUMP QT-201 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C2	0	CONTAINMENT POLAR CR / ELECTRICAL DISTRIBUTION	AUXILIARY	609.00	AIR COOLED CIRCUIT BREAKER (METAL FRAME)
2	2	2-21C3	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C4	0	ELECTRICAL DISTRIBUTION, 600VAC / CIRCULATING WATER TRAVELING SCREEN SOUTH WASH PUMP PP-15S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C6	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC EZC-C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C7	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
2	2	2-21C8	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT AND CHMT STANDBY LIGHTING TRANSFORMER TR-LTG-8 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES NORMAL DISTRIBUTION CABINET TCSN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D1	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D10	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH PLANT LIGHTING TRANSFORMER TR-LTG-9N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BORIC ACID HEAT TRACE CONTROL CENTER BHT-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D13	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL NORTH MOTOR-GENERATOR SET CRDMG-2N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D14	0	600VAC DISTRIBUTION / 600VAC MCC 2-AB-D, VCC 2-ABV-D, MCC 2-PS-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2		2-21D3	0	ELECTRICAL DISTRIBUTION, 600VAC / CONTAINMENT LIGHTING TRANSFORMER TR-LTG-10 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D4	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D5	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC ABD-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D6	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC EZC-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
2	2	2-21D8	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MCC AM-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES EMERGENCY DISTRIBUTION CABINET TCSE SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-52-BYA	0	REACTOR TRIP BREAKER (ROD CONTROL & INST.) / REACTOR ROD CONTROL TR-A REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	2-52-BYB	0	REACTOR TRIP BREAKER (ROD CONTROL & INST.) / REACTOR ROD CONTROL TRAIN B REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	2	2-52-RTA	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	2-52-RTB	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
3	1	2-T21A	0	4KV ELECTRICAL DISTRIBUTION / 4KV BUS T21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A1	0	ELECTRICAL DISTRIBUTION, 4160VAC / SOUTH SAFETY INJECTION PUMP PP-26S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A10	0	ELECTRICAL DISTRIBUTION, 4160VAC / 600V BUS 21A SUPPLY TRANSFORMER TR21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A11	0	ELECTRICAL DISTRIBUTION, 4160VAC / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A12	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER FROM 69KV TO BUS T21A	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A2	0	ELECTRICAL DISTRIBUTION, 4160VAC / WEST MOTOR DRIVEN AUX FEEDWATER PUMP PP-3W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A3	0	ELECTRICAL DISTRIBUTION, 4160 VAC / WEST CONTAINMENT SPRAY PUMP PP-9W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A4	0	ELECTRICAL DISTRIBUTION, 4160VAC / WEST RESIDUAL HEAT REMOVAL PUMP PP-3SW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A5	0	ELECTRICAL DISTRIBUTION, 4160VAC / WEST ESSENTIAL SERVICE WATER PUMP PP-7W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A6	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T21A TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHA SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A7	0	ELECTRICAL DISTRIBUTION, 4160VAC / WEST COMPONENT COOLING WATER PUMP PP-10W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A8	0	ELECTRICAL DISTRIBUTION, 4160VAC / WEST CENTRIFUGAL CHARGING PUMP PP-50W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A9	0	ELECTRICAL DISTRIBUTION 4160VAC / 4KV BUS 2A TO BUS T21A TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B	0	4KV ELECTRICAL DISTRIBUTION / 4KV BUS T21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2B TO 4KV BUS T21B TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B2	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER FROM 69KV BUS TO BUS T21B	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B4	0	ELECTRICAL DISTRIBUTION, 4160VAC / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	2	2-T21C	0	4KV ELECTRICAL DISTRIBUTION / 4KV BUS T21C SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21C1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2C TO 4KV BUS T21C TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21C2	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER - 4KV FROM 69KV TO BUS T21C	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
3	2	2-T21C3	0	ELECTRICAL DISTRIBUTION, 4160VAC / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D	0	4KV ELECTRICAL DISTRIBUTION / 4KV BUS T21D SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV EMERGENCY POWER BUS EP TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D10	0	ELECTRICAL DISTRIBUTION, 4160VAC / EAST ESSENTIAL SERVICE WATER PUMP PP-7E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D11	0	ELECTRICAL DISTRIBUTION, 4160VAC / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D12	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2D TO 4KV BUS T21D TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
3	2	2-T21D2	0	ELECTRICAL DISTRIBUTION, 4160VAC / 600V BUS 21D SUPPLY TRANSFORMER TR21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D3	0	ELECTRICAL DISTRIBUTION, 4160VAC / EAST COMPONENT COOLING WATER PUMP PP-10E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D4	0	ELECTRICAL DISTRIBUTION, 4160 VAC / EAST CONTANMENT SPRAY PUMP PP-9E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D5	0	ELECTRICAL DISTRIBUTION PANEL, 4160 VAC / NORTH SAFETY INJECTION PUMP PP-26N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D6	0	ELECTRICAL DISTRIBUTION, 4160VAC / EAST RHR PUMP PP-35E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
3	2	2-T21D7	0	ELECTRICAL DISTRIBUTION, 4160VAC / EAST CENTRIFUGAL CHARGING PUMP PP-50E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D8	0	ELECTRICAL DISTRIBUTION, 4160VAC / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D9	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T21D TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHC SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
4	2	2-CRID-I-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTRIBUTION / 10KVA TRANSFORMER - CONSTANT VOLTAGE	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	2	2-CRID-II-CVT	0	120VAC DISTRIBUTION / 120V AC CR INST DISTR CH-II ISOL CONT VOLT TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-CRID-III-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 10KVA ISOLIMTER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-CRID-IV-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 10KVA ISOLIMTER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-DGAB-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM
4	2	2-DGCD-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR OME-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM
4	2	2-TR-AFW	0	120V/220 CONTROL AND INSTRUMENTATION / AUXILIARY FEEDWATER 120/208VAC DISTRIBUTION PANEL AFW SUPPLY TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM
4	1	2-TR-ELSC	0	120V/220 CONTROL AND INSTRUMENTATION / 120/208VAC EMERGENCY LOCAL SHUTDOWN DISTRIBUTION TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM
4	1	2-TR21A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21A SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-TR21B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	2	2-TR21C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
4	2	2-TR21D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
5	12	12-PP-31S	0	SPENT FUEL PIT COOLING/CLEANUP / SOUTH SPENT FUEL PIT PUMP	UW2 AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM
5	2	2-PP-10E	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY
5	1	2-PP-10W	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY
5	2	2-PP-26N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP	AUXILIARY	587.00	N SAFETY INJ PMP RM
5	1	2-PP-26S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP	AUXILIARY	587.00	S SAFETY INJ PMP RM
5	2	2-PP-3E	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
5	1	2-PP-3W	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	W MTR DRIVEN AUX FEEDWTR PMP
5	12	2-PP-4	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP	TURBINE	591.00	TB DRIVEN AUX FEEDWTR PMP
5	2	2-PP-46-3	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #3	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
5	1	2-PP-46-4	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #4	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
5	12	2-PP-49	0	CHARGING (CVCS) / RECIPROCATING CHARGING PUMP	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
5	2	2-PP-50E	0	CHARGING (CVCS) / EAST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
5	1	2-PP-50W	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
5	2	2-PP-82N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDIT RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
5	1	2-PP-82S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
5	1	2-QT-106-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP
5	1	2-QT-106-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP
5	2	2-QT-106-CD1	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP
5	2	2-QT-106-CD2	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP
5	1	2-QT-111-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-111-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-117-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL HEATER QT-116-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-117-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL HEATER QT-116-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-119-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-119-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-130-AB1	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #1	AUXILIARY	587.00	AB EMER DSL GEN RM
5	1	2-QT-130-AB2	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #2	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	2-QT-130-CD1	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	CD EMER DSL GEN RM
5	2	2-QT-130-CD2	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	CD EMER DSL GEN RM
5	1	2-QT-135-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	2-QT-135-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	CD EMER DSL GEN RM
6	2	2-PP-35E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	EAST RHR PUMP RM
6	1	2-PP-35W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	W RHR PMP RM
6	2	2-PP-7E	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
6	1	2-PP-7W	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
6	2	2-PP-9E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	E CONT SPRAY PMP RM
6	1	2-PP-9W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	W CONT SPRAY PMP RM
7		2-CRV-410	0	DEMNERIALIZED MAKEUP /	AUXILIARY	650.00	
7		2-CRV-411	0	DEMNERIALIZED MAKEUP /	AUXILIARY	650.00	
7	2	2-DCR-301	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 BLOWDOWN SAMPLE DSR-301 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-DCR-302	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 BLOWDOWN SAMPLE DSR-302 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-DCR-303	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 BLOWDOWN SAMPLE DSR-303 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-DCR-304	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 BLOWDOWN SAMPLE DSR-304 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-DCR-310	0	BLOWDOWN / STEAM GENERATOR OME-3-1 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	2-DCR-320	0	BLOWDOWN / STEAM GENERATOR OME-3-2 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	2-DCR-330	0	BLOWDOWN / STEAM GENERATOR OME-3-3 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	2	2-DCR-340	0	BLOWDOWN / STEAM GENERATOR OME-3-4 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	12	2-DRV-407	0	STEAM LINE DRAINS / MAIN STEAM LEADS CONDENSATION DRAIN TANK TK-150 OUTLET SHUTOFF VALVE	AUXILIARY	600.00	MN STM LINES VERT PIPE CHASE
7	1	2-FRV-245	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W 2 in AIR OPERATED TEST VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
7	1	2-FRV-247	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W EMERGENCY 1 in AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
7	2	2-FRV-255	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E 2 in AIR OPERATED TEST VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
7	12	2-FRV-256	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 2 in AIR OPERATED TEST VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-FRV-257	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E EMERGENCY 1 In AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
7	12	2-FRV-258	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP EMERGENCY 1 In AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
7	12	2-GCR-314	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
7	12	2-GRV-341	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS VENT VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-HV-SGR-MD-1	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
7	12	2-HV-SGR-MD-2	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION OUTSIDE AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
7	2	2-IRV-112	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-1 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA
7	1	2-IRV-122	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-2 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #2 AREA
7	12	2-IRV-132	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-3 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA
7	12	2-IRV-142	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-4 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA
7	1	2-IRV-149	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 AND #3 0.75 In AIR OPERATED TEST (GLOBE) VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-150	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #1 AND #4 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-156	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-1 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #1 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
7	1	2-IRV-157	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 0.75 IN AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-158	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT PUMPS #1 AND #4 0.75 IN AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	1	2-IRV-166	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-2 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #2 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	2	2-IRV-176	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-3 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #3 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	1	2-IRV-186	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-4 1 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #4 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
7	12	2-IRV-280	0	SAFETY INJECTION / SAFETY INJECTION TEST LINE SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
7	2	2-IRV-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E 8 IN AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
7	12	2-IRV-311	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL HEAT EXCHANGERS BYPASS FLOW 8 IN AIR OPERATED CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
7	1	2-IRV-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W 8 IN AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
7	12	2-IRV-50	0	BORON INJECTION / BORON INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-IRV-60	0	SAFETY INJECTION / SAFETY INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	2	2-MCR-251	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-MCR-252	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	2-MCR-253	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-MCR-254	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-MRV-151	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
7	1	2-MRV-152	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	1	2-MRV-153	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	2	2-MRV-154	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
7	2	2-MRV-211	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-212	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-213	0	MAIN STEAM / STEAM GENERATOR OME-3-1 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-MRV-221	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-222	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-223	0	MAIN STEAM / STEAM GENERATOR OME-3-2 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-231	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-232	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-233	0	MAIN STEAM / STEAM GENERATOR OME-3-3 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-MRV-241	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-242	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-243	0	MAIN STEAM / STEAM GENERATOR OME-3-4 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-NRV-101	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #1 HOT LEG SAMPLE NSX-101 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
7	12	2-NRV-102	0	NUCLEAR SAMPLING / PRESSURIZER LIQUID SPACE SAMPLE NSX-102 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	2-NRV-103	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #3 HOT LEG SAMPLE NSX-103 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	12	2-NRV-104	0	NUCLEAR SAMPLING / PRESSURIZER STEAM SPACE SAMPLE NSX-104 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	2-NRV-151	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	1	2-NRV-152	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	2	2-NRV-153	0	PRESSURIZER / PRESSURIZER OME-4 TRAIN 'A' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	1	2-NRV-163	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 TO PRESSURIZER SPRAY CONTROL 4 IN AIR OPERATED GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3
7	2	2-NRV-164	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 TO PRESSURIZER SPRAY CONTROL 4 IN AIR OPERATED GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3
7	12	2-QRV-10	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP #1 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER OC-109 2 IN AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1
7	2	2-QRV-111	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	2	2-QRV-112	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	1	2-QRV-113	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-QRV-114	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	12	2-QRV-150	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMPS STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTER QC-109 0.75 IN AIR OPERATED SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-QRV-170	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED OUTLET PRESSURE CONTROL VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	2-QRV-171	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED OUTLET DIVERSION VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	2-QRV-20	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP #2 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	625.00	LOWER CONT, QUAD NO. 2
7	12	2-QRV-251	0	CHARGING (CVCS) / CVCS CENTRIFUGAL CHARGING PUMPS DISCHARGE FLOW 3 IN AIR OPERATED CONTROL GLOBE VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
7	12	2-QRV-30	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP #3 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3
7	12	2-QRV-40	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP #4 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	12	2-QRV-400	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER CP-21 2 IN AIR OPERATED TO CVCS CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
7	12	2-QRV-421	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID FILTER TO CVCS CHARGING PUMPS AND SOUTH BORIC ACID BLENDER 1 IN AIR OPERATED FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
7	12	2-QRV-430	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID STORAGE TANK TK-12S 2 IN AIR OPERATED INLET FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
7	12	2-QRV-451	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER CP-21 TO REACTOR COOLANT LETDOWN VOLUME CONTROL TANK SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
7	12	2-SV-101	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY HEADER TO ACCUMULATOR TANKS SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	12	2-SV-102	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-SV-103	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	2	2-SV-104E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET SAFETY VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
7	1	2-SV-104W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET SAFETY VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
7	1	2-SV-120-AB	0	DIESEL STARTING AIR / 2-XTC-301 & 2-XTC-302 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-120-CD	0	DIESEL STARTING AIR / 2-XTC-308 AND 2-XTC-307 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	12	2-SV-121	0	COMPONENT COOLING WATER / 2-DRA-300 SAMPLE HEAT EXCHANGERS CCW RETURN HEADER SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK ROOM
7	12	2-SV-122-23	0	CCW / REACTOR SUPPORT COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	1	2-SV-122-3	0	CCW / CCW TO CONT VENTILATION FAN HV-CEQ-2 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-2 FAN RM
7	2	2-SV-122-4	0	CCW / CONTAINMENT VENT FAN HV-CEQ-1 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-1 FAN RM
7	1	2-SV-139-AB	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-139-CD	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	12	2-SV-140-1	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUX FEED PUMP GOVERNOR OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	12	2-SV-140-2	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUX FEED PUMP OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
7	2	2-SV-14E	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E SHELL SIDE SAFETY VALVE	AUXILIARY	609.00	E CONT SPRAY HEAT XCHGR RM
7	1	2-SV-14W	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER HE-18W SHELL SIDE SAFETY VALVE	AUXILIARY	609.00	W CONT SPRAY HEAT XCHGR RM
7	2	2-SV-15E	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY
7	1	2-SV-15W	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER HE-15W TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY
7	1	2-SV-16-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL JACKET WATER COOLER QT-131-AB ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-16-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL JACKET WATER COOLER QT-131-CD ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	12	2-SV-168	0	CCW / POST-ACCIDENT SAMPLE HEAT EXCHANGER CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM
7	2	2-SV-169E	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUCTION SAFETY VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
7	1	2-SV-169W	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W SUCTION SAFETY VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
7	2	2-SV-1A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1A	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-1A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1A	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-SV-1A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1A	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-SV-1A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE #1A	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-SV-1B-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-1B-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1B	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-SV-1B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1B	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-SV-1B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-200-AB	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-200-CD	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	1	2-SV-201-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-SV-201-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-201-CD1	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-SV-201-CD2	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-SV-2A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-2A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 2A	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-SV-2A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2A	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-SV-2A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-SV-2B-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-2B-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 2B	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-SV-2B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2B	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-SV-2B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-SV-3-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE #3	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-SV-3-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE #3	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-SV-3-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE #3	AUXILIARY	633.00	W MN STM STOP ENCL



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

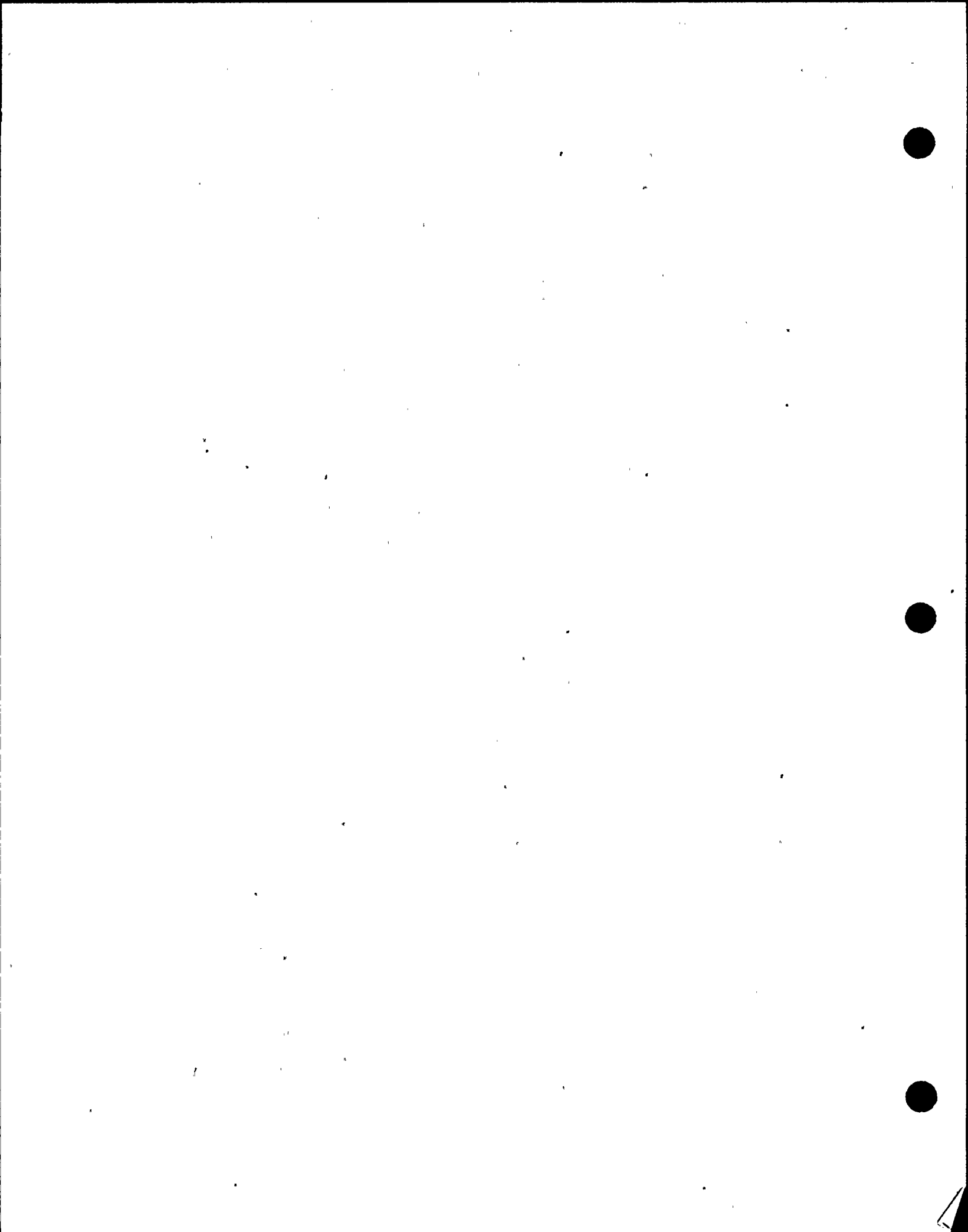
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-SV-34	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE #3	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	12	2-SV-45A	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'A'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	12	2-SV-45B	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'B'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	12	2-SV-45C	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'C'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	12	2-SV-50	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / RC PUMPS SEAL #1 AND STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTERS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	12	2-SV-51	0	LETDOWN (CVCS) / REGENERATIVE HEAT EXCHANGER HE-12 LETDOWN OUTLET SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
7	12	2-SV-54	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER HEAT EXCHANGER HE-11 SAFETY VALVE	AUXILIARY	609.00	SEAL WTR HEAT XCHGR RM
7	12	2-SV-56	0	LETDOWN (CVCS) / CVCS CHARGING PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
7	12	2-SV-90	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER SURGE TANK TK-37 SAFETY VALVE	AUXILIARY	650.00	650 HALLWAY
7	1	2-SV-91-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-AB SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-91-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-CD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	12	2-SV-62-1	0	CCW / REACTOR COOLANT PUMP PP-45-1 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD 1 AZ 48
7	12	2-SV-62-2	0	CCW / REACTOR COOLANT PUMPS PP-45-2 THERMAL BARRIER CCW OUTLET SAFETY VALV	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2, AZ 132
7	12	2-SV-62-3	0	CCW / REACTOR COOLANT PUMP PP-45-3 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONT., QUAD 3 AZ 231
7	12	2-SV-62-4	0	CCW / REACTOR COOLANT PUMP PP-45-4 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONT., QUAD 4, AZ 302
7	12	2-SV-63	0	CCW / REACTOR COOLANT PUMP MOTORS BEARING OIL COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	12	2-SV-64	0	CCW / EXCESS LETDOWN HEAT EXCHANGER HE-13 CCW OUTLET SAFETY VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	2-SV-65	0	CCW / LETDOWN HEAT EXCHANGER HE-14 CCW OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY
7	12	2-SV-66	0	CCW / CCW TO SOUTH BORIC ACID EVAP DRUM 12-HE-19-DS SAFETY VALVE	AUXILIARY	587.00	587 HALLWAY
7	12	2-SV-67-1	0	CCW / FAILED NUCLEAR FUEL DETECTOR SAMPLE HEAT EXCHANGER QC-501-13 CCW OUTLET SAFETY VALVE	AUXILIARY	587.00	REFUEL WTR PURIFICATION PMP RM
7	12	2-SV-67-2	0	CCW / NUCLEAR SAMPLING SAMPLE RACK 'A' CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM
7	12	2-SV-67-3	0	CCW / NUCLEAR SAMPLING SAMPLE RACK 'B' CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM
7	12	2-SV-68-15	0	CCW / RCP SEAL WATER HEAT EXCHANGER HE-11 CCW OUTLET SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY
7	12	2-SV-71	0	CCW / SOUTH SPENT FUEL PIT HEAT EXCHANGER 12-HE-16S CCW OUTLET SAFETY VALVE	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM
7	2	2-SV-72E	0	COMPONENT COOLING WATER / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY
7	1	2-SV-72W	0	COMPONENT COOLING WATER / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY
7	1	2-SV-78-AB1	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-SV-78-AB2	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-SV-78-CD1	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-SV-78-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-CD2 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	1	2-SV-79-AB1	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER QT-143-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-SV-79-AB2	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER QT-143-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Tran	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-SV-79-CD1	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER QT-143-CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-SV-79-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER QT-143-CD2 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-SV-94N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER EXPANSION TANK TK-78N SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	1	2-SV-94S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER EXPANSION TANK TK-76S SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	12	2-SV-96	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
7	12	2-SV-97	0	BORON INJECTION / BORON INJECTION TANK TK-11 OUTLET SAFETY VALVE	AUXILIARY	612.00	BORON INJ TANK RM
7	12	2-SV-98N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
7	12	2-SV-98S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
7	2	2-VRV-315	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM VENTILATION UNIT HV-ACRA-1 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	1	2-VRV-325	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM VENTILATION UNIT HV-ACRA-2 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	2	2-WRV-722-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER HE-47-CDN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-WRV-724-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47-CDS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	1	2-WRV-726-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER HE-47-ABN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-WRV-728-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47-ABS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-WRV-763	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-764	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-768	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-769	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-773	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-774	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-778	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-779	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	1	2-XRV-220	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-XRV-221	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-XRV-222	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-XRV-225	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-XRV-226	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-XRV-227	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-CCM-451	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-452	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CCM-453	0	COMPONENT COOLING WATER / RCP THERMAL BARRIER COMPONENT COOLING WATER OUTLET TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-454	0	COMPONENT COOLING WATER / RC PUMPS THERMAL BARRIER CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CCM-458	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-459	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CMO-410	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-411	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-412	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-413	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-414	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-415	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO MISCELLANEOUS SERVICE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-416	0	COMPONENT COOLING WATER / CCW TO MISCELLANEOUS SERVICE HEADER 'B' 16 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-419	0	COMPONENT COOLING WATER / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-420	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-429	0	COMPONENT COOLING WATER / WEST RHR HEAT EXCHANGER HE-17W CCW OUTLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	2-FMO-211	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-FMO-212	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	2	2-FMO-221	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-FMO-222	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP- 3E SUPPLY TO STEAM GENERATOR OME-3- 2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-FMO-231	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-3 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM



**DONALD C. COOK NUCLEAR PLANT UNIT #2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Tran	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	2-FMO-232	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUPPLY TO STEAM GENERATOR OME-3-3.4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-FMO-241	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-FMO-242	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-HV-DDP-AB1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	2-HV-DDP-AB2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	2-HV-DDP-CD1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-HV-DDP-CD2	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	2-HV-DGS-DAB	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	598.00	INNER PLANT GROUNDS
8	2	2-HV-DGS-DCD	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 2
8	1	2-HV-SGR-MD-3	0	AUXILIARY BUILDING VENTILATION / 4KV RM 600 VOLT SWITCHGEAR XFORMERS TR21A & TR21C AREA VENT SUPPLY FAN HV-SGRS-8 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
8	2	2-HV-SGR-MD-4	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS AREA VENTILATION SUPPLY FAN HV-SGRS-7 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
8	1	2-HV-SGR-MD-5	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN HV-SGRS-9 VENT DAMPER	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
8	12	2-ICM-111	0	RESIDUAL HEAT REMOVAL / RHR TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	2	2-ICM-129	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	2	2-ICM-250	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	1	2-ICM-251	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	2	2-ICM-260	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-ICM-265	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-ICM-305	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO EAST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
8	1	2-ICM-306	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO WEST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-ICM-311	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO RC LOOPS #1 AND #4 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	1	2-ICM-321	0	RESIDUAL HEAT REMOVAL / WEST RHR TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-IMO-128	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2
8	2	2-IMO-210	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-06E 10 In MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM

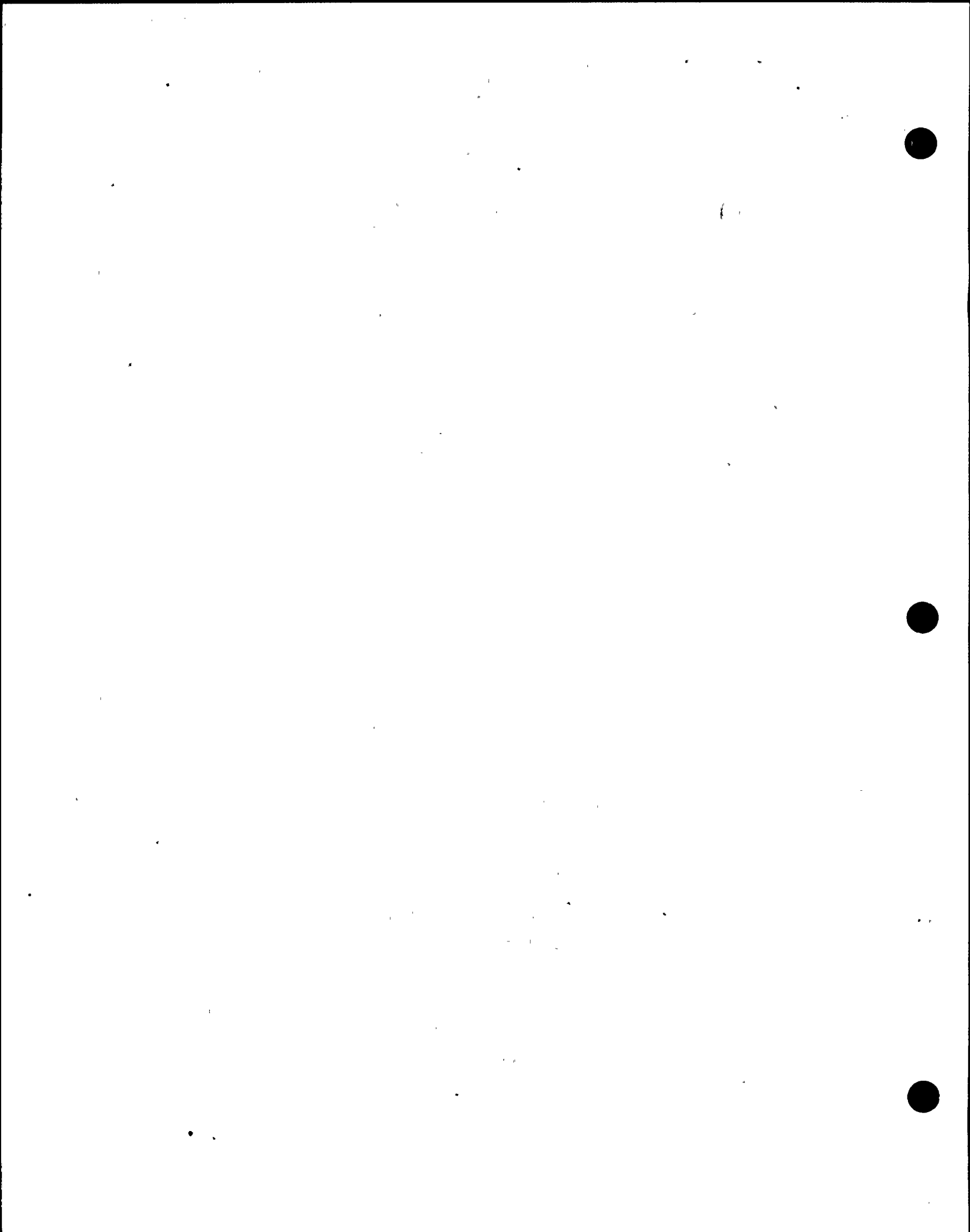
**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	2-IMO-211	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 10 In MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	2-IMO-212	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 2 In MOTOR OPERATED DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	2-IMO-215	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO EAST CONTAINMENT SPRAY PUMP PP-9E SUCTION 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	1	2-IMO-220	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W 10 In MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-221	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 In MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-222	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR 2 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-225	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO WEST CONTAINMENT SPRAY PUMP PP-9W SUCTION 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	2	2-IMO-255	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	1	2-IMO-258	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	12	2-IMO-281	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TK-33 SUPPLY TO SAFETY INJECTION PUMPS SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-IMO-282	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-283	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	2	2-IMO-270	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-275	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-IMO-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E SUCTION SHUTOFF VALVE	AUXILIARY	573.00	EAST RHR PUMP RM
8	2	2-IMO-312	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	2	2-IMO-314	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	2	2-IMO-315	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
8	2	2-IMO-316	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
8	1	2-IMO-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUCTION SHUTOFF VALVE	AUXILIARY	573.00	W RHR PMP RM
8	1	2-IMO-322	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-IMO-324	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-IMO-325	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	1	2-IMO-326	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	2	2-IMO-330	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	1	2-IMO-331	0	RESIDUAL HEAT REMOVAL / WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	12	2-IMO-340	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER TO CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	12	2-IMO-350	0	RESIDUAL HEAT REMOVAL / WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION PUMP SUCTION SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	12	2-IMO-360	0	SAFETY INJECTION / SAFETY INJECTION PUMPS TO CYCS CHARGING PUMPS SUCTION HEADER CROSSTIE SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
8	2	2-IMO-361	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-362	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	12	2-IMO-390	0	RESIDUAL HEAT REMOVAL / REFUELING WATER STORAGE TANK TK-33 TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-IMO-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
8	1	2-IMO-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #2 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	1	2-IMO-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #3 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
8	2	2-IMO-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #4 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
8	2	2-IMO-910	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CYCS CHARGING PUMPS SUCTION HEADER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	1	2-IMO-911	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CYCS CHARGING PUMPS SUCTION HEADER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
8	1	2-LSO-240	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	2-LSO-241	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	2-LSO-245	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-LSO-246	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	2-MCM-221	0	MAIN STEAM / MAIN STEAM LEAD #2 TO AUXILIARY FEED PUMP TURBINE 4 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	1	2-MCM-231	0	MAIN STEAM / MAIN STEAM LEAD #3 TO AUXILIARY FEED PUMP TURBINE 4 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	2	2-MMO-210	0	MAIN STEAM / STEAM STOP VALVE MRV-210 STEAM CYLINDER DUMP 4 IN MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	2-MMO-220	0	MAIN STEAM / STEAM STOP VALVE MRV-220 STEAM CYLINDER DUMP 4 IN MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	1	2-MMO-230	0	MAIN STEAM / STEAM STOP VALVE MRV-230 STEAM CYLINDER DUMP VALVES 4 IN MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	2	2-MMO-240	0	MAIN STEAM / STEAM STOP VALVE MRV-240 STEAM CYLINDER DUMP VALVE 4 IN MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	2-NMO-151	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-151 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL INTERIOR
8	1	2-NMO-152	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-152 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL INTERIOR
8	2	2-NMO-153	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-153 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL INTERIOR
8	2	2-NSO-21	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA
8	2	2-NSO-22	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA



DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	1	2-NSO-23	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA
8	1	2-NSO-24	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA
8	2	2-NSO-81	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-NSO-82	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	1	2-NSO-83	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	1	2-NSO-84	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-QCM-250	0	REACTOR COOLANT PUMP SEAL WATER INLEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'A' CONTAINMENT ISOLATION 4 IN MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	1	2-QCM-350	0	REACTOR COOLANT PUMP SEAL WATER INLEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'B' CONTAINMENT ISOLATION 4 IN MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-QMO-200	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	1	2-QMO-201	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	2	2-QMO-225	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	WEST CENTRIFUGAL CHARG PMP ROOM
8	1	2-QMO-226	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
8	12	2-QMO-420	0	BORON MAKEUP (CVCS) / EMERGENCY BORATION TO CVCS CHARGING PUMPS SUCTION HEADER SHUTOFF VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
8	2	2-QMO-451	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'A' SHUTOFF 4 IN MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
8	1	2-QMO-452	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'B' SHUTOFF 4 IN MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
8	12	2-QT-508	0	MAIN STEAM / TURBINE DRIVEN AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	2-WMO-703	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
8	1	2-WMO-704	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
8	1	2-WMO-706	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	589.00	ESSNTL SERV WTR PIPE TUNN
8	2	2-WMO-708	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	589.00	ESSNTL SERV WTR PIPE TUNN
8	2	2-WMO-712	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	2	2-WMO-714	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-716	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	2-WMO-718	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-722-AB	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	2-WMO-724-AB	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	2	2-WMO-726-CD	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	1	2-WMO-728-CD	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	2	2-WMO-732	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-WMO-734	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-736	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-738	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-744	0	AUXILIARY FEED WATER SYSTEM / ESW TO WEST MOTOR DRIV AUX FEED PUMP PP-3W SHUTOFF 4 IN MOTOR OPERATED VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
8	12	2-WMO-753	0	AUXILIARY FEED WATER / ESW TO TURB DRIVEN AUX FEED PUMP PP-4 SHUTOFF 6 IN MOTOR OPERATED VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	2-WMO-754	0	ESSENTIAL SERVICE WATER / ESSENTIAL SERVICE WATER TO EAST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3E 4 IN MOTOR OPERATED SHUTOFF VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
8	12	2-XSO-505	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE NRV-152 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-XSO-507	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE NRV-153 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
9	2	12-HV-ESW-1	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
9	2	12-HV-ESW-2	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
9	1	12-HV-ESW-3	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	1	12-HV-ESW-4	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	2	2-HV-AES-1	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 1	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	1	2-HV-AES-2	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	2	2-HV-AFP-BRE-1	0	AUXILIARY BUILDING VENTILATION / TRAIN 'N' BATTERY ROOM EAST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	1	2-HV-AFP-BRE-2	0	AUXILIARY BUILDING VENTILATION / TRAIN 'N' BATTERY ROOM WEST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	2	2-HV-AFP-M1	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
9	2	2-HV-AFP-M2	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM SUPPLY FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
9	2	2-HV-AFP-T1	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-T2	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-X1	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM EAST EXHAUST FAN	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-X2	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM WEST EXHAUST FAN	TURBINE	591.00	TB 591 ELEV BASMNT
9	1	2-HV-CEQ-1	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	CONTAINMENT	625.00	HV-CEQ-1 FAN RM
9	2	2-HV-CEQ-2	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2	CONTAINMENT	625.00	HV-CEQ-2 FAN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
9	2	2-HV-DGS-1	0	DESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	2-HV-DGS-2	0	DESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	1	2-HV-DGS-3	0	DESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	2	2-HV-DGS-4	0	DESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	2	2-HV-DGX-1	0	DESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	2-HV-DGX-2	0	DESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	1	2-HV-SGRS-1A	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-2	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
9	2	2-HV-SGRS-3	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
9	2	2-HV-SGRS-4A	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION SOUTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	2	2-HV-SGRS-7	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21B AND TR21D AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-8	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21A AND TR21C AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-9	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
9	1	2-HV-SGRX-2	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
9	2	2-HV-SGRX-3	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
9	1	2-HV-SGRX-5	0	AUXILIARY BUILDING VENTILATION / AB BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	609.00	AB BATTERY EQUIP AREA
9	2	2-HV-SGRX-6	0	AUXILIARY BUILDING VENTILATION / CD BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	626.00	CD BATTERY EQUIP AREA
10	2	2-HV-ACRA-1	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION NORTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
10	1	2-HV-ACRA-2	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
10	2	2-HV-AES-1 (FLT)	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
10	1	2-HV-AES-2 (FLT)	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
11	2	2-HE-83N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER HV-ACR-1 EVAPORATOR	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	1	2-HE-83S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER HV-ACR-2 EVAPORATOR	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	2	2-HE-84N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER HV-ACR-1 CONDENSER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	1	2-HE-84S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER HV-ACR-2 CONDENSER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	2	2-HV-ACR-1	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	1	2-HV-ACR-2	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

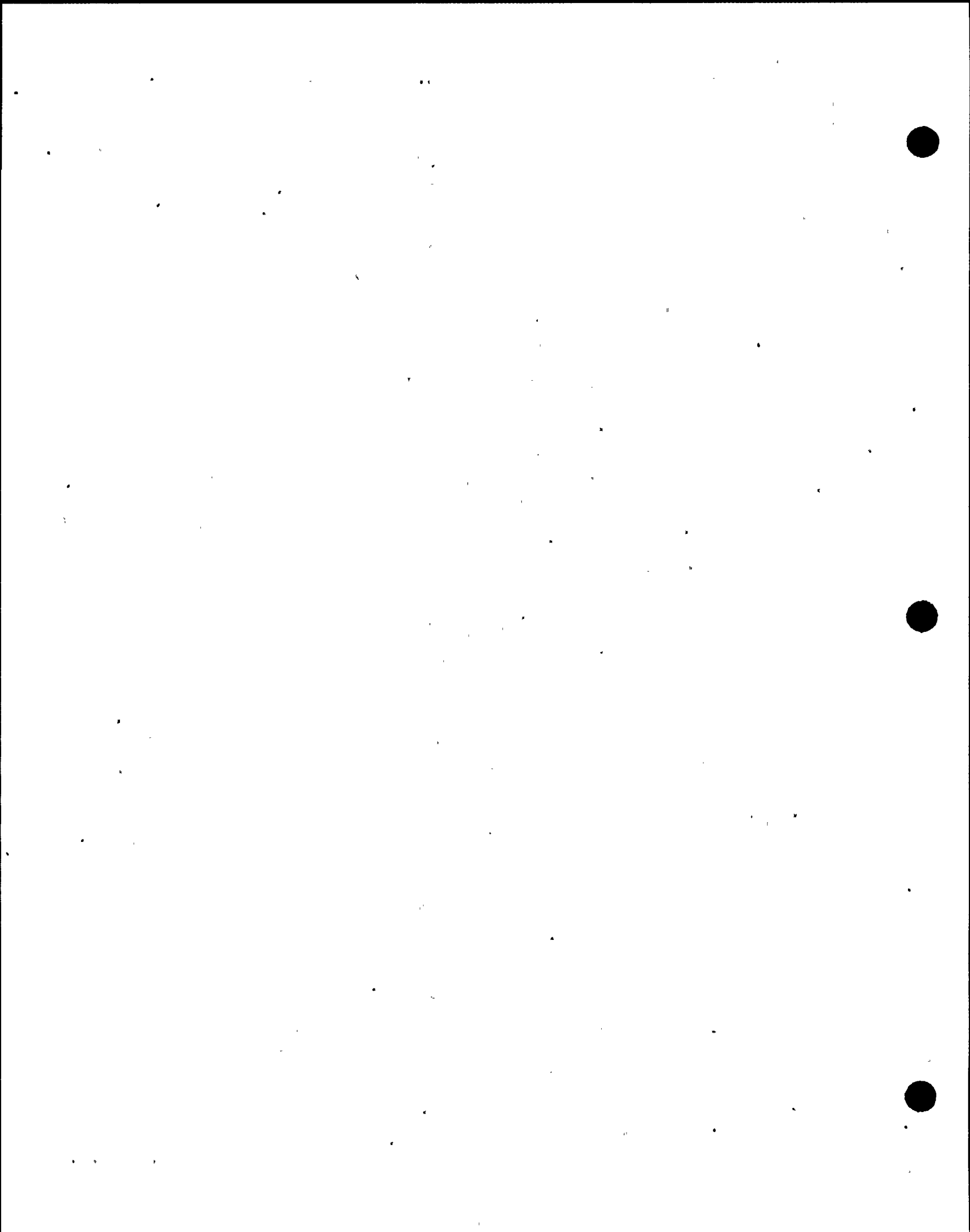
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
12	1	2-QT-502-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL TURBOCHARGER	AUXILIARY	587.00	AB EMER DSL GEN RM
12	2	2-QT-502-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL TURBOCHARGER	AUXILIARY	587.00	CD EMER DSL GEN RM
14	1	2-69-ABBC	0	250 VDC DISTRIBUTION / PLANT BATTERY BATT-AB DISCONNECT SWITCH	AUXILIARY	609.00	INVERTER AREA
14	2	2-89-CD8C	0	250 VDC DISTRIBUTION / PLANT BATTERY BATT-CD DISCONNECT SWITCH	AUXILIARY	626.00	CD BATTERY EQUIPMENT AREA
14	2	2-AFW	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / POWER PANEL	AUXILIARY	587.00	CD EMER DSL GEN RM
14	2	2-AFWX	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / 120/208 VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL	AUXILIARY	587.00	CD EMER DSL GEN RM
14	1	2-BATT-AB-SH	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB AMMETER SHUNT	AUXILIARY	609.00	CRID INVERTER AREA
14	2	2-BATT-CD-SH	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD AMMETER SHUNT CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	12	2-BATT-N-SH	0	250VDC CONTROL AND INSTRUMENTATION / METERING SHUNT	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK ROOM
14	1	2-BC-AB-SH	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGER AMMETER BC-AB SHUNT CABINET	AUXILIARY	609.00	CRID INVERTER AREA
14	2	2-BC-CD-SH	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGER BC-CD SHUNT CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	1	2-BCTC-AB	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER SWITCH CABINET	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
14	2	2-BCTC-CD	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGERS BC-CD1 AND BC-CD2 TRANSFER CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	1	2-CCV-AB	0	250VDC DISTRIBUTION / 250VDC TRAIN 'B' CRITICAL SOLENOID VALVES DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	2	2-CCV-CD	0	250VDC DISTRIBUTION / 250VDC TRAIN 'A' CRITICAL SOLENOID VALVES DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	1	2-CRAB	0	250VDC DISTRIBUTION / 250VDC CONTROL ROOM DISTRIBUTION PANEL CRAB	AUXILIARY	633.00	CONTROL ROOM
14	2	2-CRCD	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	633.00	CONTROL ROOM
14	2	2-CRID-I	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL I DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	2	2-CRID-II	0	120V AC DISTRIBUTION / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL II DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	1	2-CRID-III	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL III DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	1	2-CRID-IV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL IV DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM
14	12	2-DCN	0	250VDC CONTROL AND INSTRUMENTATION / 250VDC POWER PANEL	AUXILIARY	633.00	633 HALLWAY
14	1	2-ELSC	0	120/208V MISC SAFETY RELATED POWER DISTR / POWER PANEL	AUXILIARY	587.00	AB EMER DSL GEN RM
14	1	2-ELSCX	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / 120/208VAC EMERGENCY LOCAL SHUTDOWN AUXILIARY DISTRIBUTION PANEL	AUXILIARY	587.00	AB EMER DSL GEN RM
14	1	2-MCAB	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION PANEL MCAB	AUXILIARY	609.00	AB BATTERY EQUIP AREA
14	2	2-MCCD	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION POWER PANEL	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	1	2-MDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATTERY EQUIP AREA
14	2	2-MDCD	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION PANEL MDCD	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	2	2-SSV-A1	0	250VDC DISTRIBUTION / 250VDC TRAIN 'A' NUCLEAR SAMPLING FEEDER PANEL #1	AUXILIARY	587.00	NUCLEAR SAMPLING RM
14	2	2-SSV-A2	0	250VDC DISTRIBUTION / 250VDC NUCLEAR SAMPLING FEEDER PANEL #2	AUXILIARY	587.00	NUCLEAR SAMPLING RM
14	1	2-SSV-B	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM
14	1	2-TDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATTERY EQUIP AREA
14	2	2-TDCD	0	250VDC DISTRIBUTION / POWER PANEL, TRAIN A TRANSFER CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA
14	3	2-VDAB-1	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDAB-1	AUXILIARY	633.00	CONTROL ROOM
14	1	2-VDAB-2	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDAB-2	AUXILIARY	633.00	CONTROL ROOM
14	2	2-VDCD-1	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDCD-1	AUXILIARY	633.00	CONTROL ROOM
14	2	2-VDCD-2	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDCD-2	AUXILIARY	633.00	CONTROL ROOM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
15	1	2-BATT-AB	0	250VDC DISTRIBUTION / PLANT BATTERY AB	AUXILIARY	609.00	AB BATTERY EQUIP AREA
15	2	2-BATT-CD	0	250VDC DISTRIBUTION / PLANT BATTERY CD	AUXILIARY	626.00	CD BATTERY EQUIP AREA
15	12	2-BATT-N	0	250VDC CONTROL AND INSTRUMENTATION / TRAIN 'N' PLANT BATTERY	AUXILIARY	633.00	NORMAL BLOWDOWN FLASH TANK ROOM 633 HALLWAY
16	12	2-BC-A	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER A FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	1	2-BC-AB1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB BATTERY CHARGER #1	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
16	1	2-BC-AB2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB CHARGER #2	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
16	12	2-BC-B	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER B FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	2	2-BC-CD1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #1	AUXILIARY	626.00	CD BATTERY EQUIP AREA
16	2	2-BC-CD2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #2	AUXILIARY	626.00	CD BATTERY EQUIP AREA
16	2	2-CRID-I-INV	0	120VAC CONTROL ROOM INSTRUMENTATION DISTRIBUTION SYSTEM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL I INVERTER	AUXILIARY	609.00	INVERTER AREA
16	2	2-CRID-II-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL II INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	2-CRID-III-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENTATION DISTRIBUTION SYSTEM CHANNEL III INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	2-CRID-IV-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL IV INVERTER	AUXILIARY	609.00	CONTROL ROOM
16	1	2-OGAB-INV	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	AUXILIARY	587.00	AB EMER DSL GEN RM
16	2	2-OGCD-INV	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR OME-150-CD INVERTER	AUXILIARY	587.00	CD EMER DSL GEN RM
17	1	2-OME-150-AB	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	AB EMER DSL GEN RM
17	2	2-OME-150-CD	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-BLI-110	0	STEAM GENERATING / STEAM GENERATOR OME-3-1 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA
18	1	2-BLI-120	0	STEAM GENERATING / STEAM GENERATOR OME-3-2 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	W CONT LOWER VENT RM
18	1	2-BLI-130	0	STEAM GENERATING / STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA
18	2	2-BLI-140	0	STEAM GENERATING / STEAM GENERATOR OME-3-4 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA
18	2	2-CUJ-113	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL
18	1	2-CUJ-114	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL
18	2	2-CPS-312	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP QT-130-AB1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM
18	1	2-CPS-314	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP QT-130-AB2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM
18	2	2-CPS-317	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP QT-130-CD1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-CPS-319	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP QT-130-CD2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-CPS-410	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER PUMP PP-10E DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	609 HALLWAY
18	1	2-CPS-420	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER PUMP PP-10W DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	609 HALLWAY
18	1	2-FFI-210	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-1 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL

DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
18	2	2-FI-220	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-2 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MN STM STOP ENCL
18	2	2-FI-230	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-3 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MN STM STOP ENCL
18	1	2-FI-240	0	FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL
18	2	2-FI-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	2	2-FI-311	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	1	2-FI-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	1	2-FI-321	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	12	2-FI-335	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS FLOW INDICATOR TRANSMITTER	AUXILIARY	591.00	VESTIBULE
18	2	2-FI-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
18	1	2-FI-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #2 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
18	1	2-FI-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #3 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
18	2	2-FI-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #4 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
18	12	2-LS-950	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TK-33 EXTREME LOW LEVEL TRANSMITTER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL
18	12	2-LS-951	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TK-33 LEVEL TRANSMITTER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL
18	1	2-LLS-120	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH #1	AUXILIARY	587.00	AB EMER DSL GEN RM
18	1	2-LLS-121	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH #1	AUXILIARY	587.00	AB EMER DSL GEN RM
18	1	2-LLS-122	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH #2	AUXILIARY	587.00	AB EMER DSL GEN RM
18	1	2-LLS-123	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH #2	AUXILIARY	587.00	AB EMER DSL GEN RM
18	2	2-LLS-125	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWITCH #1	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-LLS-126	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH #1	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-LLS-127	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWITCH #2	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-LLS-128	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH #2	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-MPP-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL
18	2	2-MPP-212	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL
18	1	2-MPP-220	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MN STM STOP ENCL
18	1	2-MPP-222	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MN STM STOP ENCL
18	1	2-MPP-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MN STM STOP ENCL
18	1	2-MPP-232	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	W MN STM STOP ENCL



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

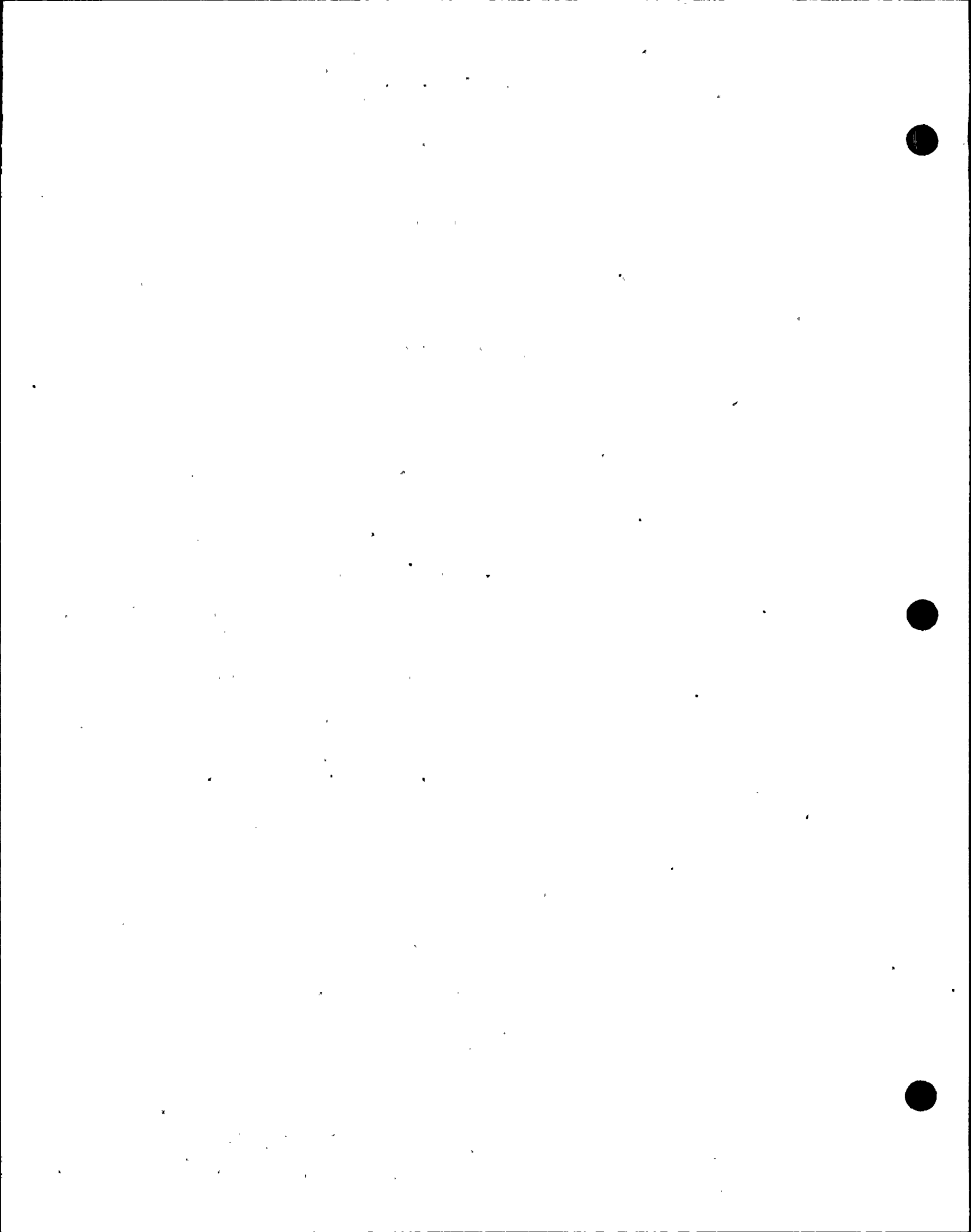
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
18	2	2-MPP-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL I STEAMPRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL
18	1	2-MPP-242	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL
18	1	2-NLI-151	0	PRESSURIZER / PRESSURIZER OME-4 LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	2	2-NLP-151	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL I LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	2	2-NLP-152	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL II LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	1	2-NLP-153	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL III LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	2	2-NPP-151	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL I PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	2	2-NPP-152	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL II PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	1	2-NPP-153	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL III PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM
18	2	2-NPS-121	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	612.00	W CONT LOWER VENT RM
18	1	2-NPS-122	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	612.00	E CONT LOWER VENT RM
18	2	2-NRI-21	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY
18	1	2-NRI-23	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RANGE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY
18	1	2-PPP-301	0	CONTAINMENT VENTILATION / LOWER CONTAINMENT CHANNEL III PRESSURE TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA
18	2	2-PPP-302	0	CONTAINMENT VENTILATION / LOWER CONTAINMENT CHANNEL II PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA
18	2	2-PPP-303	0	CONTAINMENT VENTILATION / LOWER CONT CHANNEL I PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA
18	2	2-QFA-210	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-1 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY
18	2	2-QFA-220	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-2 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY
18	1	2-QFA-230	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-3 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY
18	1	2-QFA-240	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-4 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY
18	12	2-QFI-200	0	CHARGING (CVCS) / CVCS CHARGING PUMPS DISCHARGE FLOW INDICATOR TRANSMITTER	AUXILIARY	587.00	587 HALLWAY
18	12	2-QLC-451	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 EXTREME HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	12	2-QLC-452	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	609 HALLWAY
18	2	2-WDS-703	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER OME-34E HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
18	1	2-WDS-704	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER OME-34W HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
18	2	2-WPS-702	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN
18	1	2-WPS-706	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN
18	1	2-XPS-300	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
18	2	2-XPS-305	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM
18	12	2-XRV-RACK-152	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE NRV-152 VALVE RACK (EMERGENCY AIR PRESSURE REGULATOR)	CONTAINMENT	650.00	UPPER CONT, QUAD 4
18	12	2-XRV-RACK-153	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE #NRV-153 VALVE RACK EMERGENCY AIR PRESSURE REGULATOR	CONTAINMENT	650.00	UPPER CONT, QUAD 4
19	2	2-CTR-415	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	609 HALLWAY
19	2	2-CTR-425	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	609 HALLWAY
19	12	2-NTR-335	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	E RHR HEAT XCHGR RM
19	2	2-NTR-110	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	598.00	LOWER CONT, QUAD NO. 1
19	1	2-NTR-120	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2
19	1	2-NTR-130	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	625.00	LOWER CONT, QUAD NO. 3
19	2	2-NTR-140	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 4
19	2	2-NTR-210	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1
19	1	2-NTR-220	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2
19	1	2-NTR-230	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 3
19	2	2-NTR-240	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 4
19	2	2-VTS-201	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN HV-AFP-M1	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
19	2	2-VTS-203	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN HV-AFP-T1	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
19	1	2-VTS-204	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN HV-AFP-T2	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
19	1	2-VTS-208	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM WEST EXHAUST FAN HV-AFP-X2	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
19	1	2-VTS-340	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR THERMOSTAT	GROUND	609.00	REFUEL WTR STOR TANK AREA
19	1	2-VTS-341	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-2 THERMOSTAT	AUXILIARY	587.00	AB EMER DSL GEN RM
19	2	2-VTS-345	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 3
19	2	2-VTS-346	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 THERMOSTAT	AUXILIARY	587.00	CD EMER DSL GEN RM
19	12	2-VTS-350	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND HV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Tran	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
19	12	2-VTS-351	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	12	2-VTS-352	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR XFMRMS TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMPERATURE SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
19	1	2-VTS-353	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENT SUPPLY FAN HV-SGRS-9 TEMPERATURE SWITCH	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
19	12	2-VTS-354	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRV EQUIP ROOM AND INV AREA VENT OUTSIDE AIR INLET DAMPER HV-SGR-MD-2 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-355	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENT RECIRC AIR INLET DAMPER HV-SGR-MD-1 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-356	0	AUXILIARY BUILDING VENTILATION / CRD EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN HV-SGRS-4A TEMP SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-357	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENTILATION SOUTH SUPPLY FAN HV-SGRS-4A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	2	2-VTS-702	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESW PUMP ROOM TEMPERATURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
19	1	2-VTS-704	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESW PUMP ROOM TEMPERATURE SWITCH	U#2 SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
19	1	2-VTS-802	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-2 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
19	2	2-VTS-803	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-3 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
19	2	2-VTS-805	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWGR XFMRMS TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMP SWITCH THERMAL SENSOR	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
19	1	2-VTS-808	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWGR XFMRMS TR21A AND TR21C AREA VENT SUPPLY FAN HV-SGRS-8 TEMP SWITCH TEMP SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
20	NA	2-A11	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AUXILIARY RELAY PANEL A11	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-A13	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AUXILIARY RELAY PANEL A13	AUXILIARY	633.00	CONTROL ROOM
20	2	2-ACRA-1	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CONTROL ROOM AIR HANDLING SUBPANEL #1	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
20	1	2-ACRA-2	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CONTROL ROOM AIR HANDLING SUBPANEL #2	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
20	2	2-ARA-2	0	120V/220 CONTROL AND INSTRUMENTATION / REACTOR PROTECTION TRAIN 'A' AUXILIARY RELAY CABINET #2	AUXILIARY	633.00	CONTROL ROOM
20	1	2-ARB-2	0	120V/220 CONTROL AND INSTRUMENTATION / REACTOR PROTECTION TRAIN 'B' AUXILIARY RELAY CABINET #2	AUXILIARY	633.00	CONTROL ROOM
20	12	2-BA	0	BORON MAKEUP (CVCS) / BORIC ACID CHARGING AND LETDOWN CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	2	2-BC-A-PNL	0	120/220V CONTROL AND INSTRUMENTATION / TRAIN 'Y' BATTERY DISTRIBUTION TRAIN 'A' BATTERY CHARGER BC-A CONTROL BOX	AUXILIARY	633.00	NORMAL BLOWDOWN FLASHTANK ROOM
20	12	2-CAS	0	CONTAINMENT VENTILATION / CONTAINMENT AUXILIARIES SUBPANEL (VENTILATION)	AUXILIARY	633.00	633 HALLWAY
20	NA	2-CCW	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CG1	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #1 CABINET #14, 15, 16(RACK #14, 15, & 16)	AUXILIARY	633.00	CONTROL ROOM
20	2	2-CG2	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #2 CABINET #17, #18 & #19(RACK #17, 18, & 19)	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CG3	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #3 CABINET #20, #21 (RACK #21 & 22)	AUXILIARY	633.00	CONTROL ROOM



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
20	NA	2-CG4	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #4 CABINET #22, #23, #24, & #25 (RACK #22,23,24, & 25)	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CI-26	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL INPUT CABINET #26	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CI-27	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL INPUT CABINET #27	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CP	0	CONDENSATE / CONDENSATE PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-CR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / CONDENSATE PANEL REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	1	2-DGAB	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL SUBPANEL	AUXILIARY	587.00	AB EMER DSL GEN RM
20	1	2-DGAB-X	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AB EMERGENCY DIESEL GENERATOR OME-150-AB AUXILIARY SUBPANEL	AUXILIARY	587.00	AB EMER DSL GEN RM
20	2	2-DGCD	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CD EMERGENCY DIESEL GENERATOR OME-150-CD CONTROL SUBPANEL	AUXILIARY	587.00	CD EMER DSL GEN RM
20	2	2-DGCD-X	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CD EMERGENCY DIESEL GENERATOR OME-150-CD AUXILIARY SUBPANEL	AUXILIARY	587.00	CD EMER DSL GEN RM
20	NA	2-DTU	0	TURBINE INSTRUMENTATION & CONTROL / DELTA T AND UNIT CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-EFR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / EMERGENCY FIRE PANEL INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-ESW	0	ESSENTIAL SERVICE WATER / ESSENTIAL SERVICE WATER CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-FLX	0	NUCLEAR INSTRUMENTATION / FLUX CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	12	2-GR-1	0	MISCELLANEOUS EQUIPMENT SUPPORTS / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #1	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-GR-2	0	MISCELLANEOUS EQUIPMENT SUPPORTS / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-GRB	0	MISCELLANEOUS EQUIPMENT SUPPORTS / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK 'B'	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-GRC	0	MISCELLANEOUS EQUIPMENT SUPPORTS / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK 'C'	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-HSD2	0	SAFETY INJECTION / UNIT 2 HOT SHUTDOWN PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-IV	0	CONTAINMENT SPRAY / CONTAINMENT ISOLATION VALVE CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	2	2-LS-1	0	STEAM GENERATING / STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL
20	1	2-LS-2	0	STEAM GENERATING / STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
20	12	2-LS-3	0	PRESSURIZER / REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION	AUXILIARY	587.00	587 HALLWAY
20	12	2-LS-4	0	EQUIPMENT CONTROL AND INDICATION STATION / REACTOR COOLANT SYSTEM TEMPERATURES AND STEAM GENERATORS LOCAL SHUTDOWN STATION	AUXILIARY	587.00	587 HALLWAY
20	NA	2-LS-5	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR COOLANT LOOPS #1 AND #4 TEMPERATURES, SG'S #1 AND #4 PRESSURES LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL
20	NA	2-LS-5XX	0	EQUIPMENT CONTROL AND INDICATION STATIONS / LOCAL SHUTDOWN STATION 5XX	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1
20	NA	2-LS-6	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR COOLANT LOOPS #2 AND #3 TEMPERATURES, SG'S #2 AND #3 PRESSURES LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
20	2	2-LS-6XX	0	EQUIPMENT CONTROL AND INDICATION STATIONS / LOCAL SHUTDOWN STATION 6XX	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 3
20	NA	2-NIS-I	0	EQUIPMENT CONTROL AND INDICATION STATIONS / NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL I CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-NIS-III	0	EQUIPMENT CONTROL AND INDICATION STATIONS / NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL III CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
20	NA	2-NRI-21-AMP	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION WIDE RANGE RADIATION AMPLIFIER CABINET	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1
20	NA	2-NRI-21-PRCSR	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION WIDE RANGE SIGNAL PROCESSOR CABINET	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-NRI-23-AMP	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RANGE RADIATION DETECTOR NRI-23 AMPLIFIER CABINET	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1
20	NA	2-NRI-23-ISOL	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL ISOLATOR CABINET	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1
20	NA	2-NRI-23-PRCSR	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL PROCESSOR CABINET	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1
20	NA	2-NSR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-PRZ	0	PRESSURIZER / PRESSURIZER CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RC	0	ROD CONTROL AND INSTRUMENTATION / REACTOR CONTROL RODS CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RCP	0	REACTOR COOLANT / REACTOR COOLANT PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	12	2-RHR	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RPC-I	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL I CAB #1, 2, 3 & 4 (RACK #1, 2, 3, & 4)	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RPC-II	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL II CABINET #5, 6 & 7 (RACK #5, 6, 7, & 8)	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RPC-III	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL III CABINET #9, 10 & 11 (RACK #9, 10, 11)	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-RPC-IV	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL IV CABINET #12 & #13 (RACK #12 & 13)	AUXILIARY	633.00	CONTROL ROOM
20	2	2-RPS-A	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'A' CABINET	AUXILIARY	633.00	CONTROL ROOM
20	1	2-RPS-B	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'B' CABINET	AUXILIARY	633.00	CONTROL ROOM
20	2	2-RPSX-A	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'A' AUXILIARY CABINET	AUXILIARY	633.00	CONTROL ROOM
20	1	2-RPSX-B	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'B' AUXILIARY CABINET	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SA	0	ELECTRICAL DISTRIBUTION, 4160VAC / STATION AUXILIARIES CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SCP	0	NUCLEAR SAMPLING / NUCLEAR SAMPLING SYSTEM CONTROL PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM
20	NA	2-SG	0	STEAM GENERATION / STEAM GENERATOR AND AUXILIARY FEED PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	12	2-SIS	0	SAFETY INJECTION / SAFETY INJECTION CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	12	2-SPY	0	CONTAINMENT SPRAY / CONTAINMENT SPRAY CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
20	12	2-SR1	0	MISCELLANEOUS EQUIPMENT SUPPORTS / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #1	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SR2	0	MISCELLANEOUS EQUIPMENT SUPPORTS / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SR3	0	MISCELLANEOUS EQUIPMENT SUPPORTS / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #3	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SR4	0	MISCELLANEOUS EQUIPMENT SUPPORTS / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #4	AUXILIARY	633.00	CONTROL ROOM
20	12	2-SSR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / ENGINEER SAFETY SYSTEM REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SWR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / NUCLEAR INSTRUMENTAL SOURCE RANGE N21 INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-SWRR	0	MISCELLANEOUS EQUIPMENT SUPPORTS / CONTROL ROOM SOUTHWEST INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-TFP	0	EQUIPMENT CONTROL AND INDICATION STATIONS / TURBINE DRIVEN AUX FEED PUMP SUBPANEL	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
20	NA	2-TRB	0	MISCELLANEOUS EQUIPMENT SUPPORTS / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'B'	AUXILIARY	633.00	CONTROL ROOM

DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
20	NA	2-TRD	0	MISCELLANEOUS EQUIPMENT SUPPORTS / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'D'	AUX	633.00	CONTROL ROOM
20	NA	2-TRE	0	MISCELLANEOUS EQUIPMENT SUPPORTS / TURBINE PANEL REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM
20	NA	2-TSC-VO-07	0	COMPUTER SUPPORT SYSTEMS / TSC COMPUTER INPUT/OUTPUT CABINET #07	AUXILIARY	633.00	633 HALLWAY
20	NA	2-TSC-VO-09	0	COMPUTER SUPPORT SYSTEMS / TSC COMPUTER INPUT/OUTPUT CABINET #9	AUXILIARY	633.00	633 HALLWAY
20	NA	2-TSC-VO-13	0	NONE / TSC COMPUTER INPUT/OUTPUT CABINET #13	AUXILIARY	633.00	633 HALLWAY
20	NA	2-TSC-VO-15	0	COMPUTER SUPPORT SYSTEMS / TSC COMPUTER INPUT/OUTPUT CABINET #15	AUXILIARY	633.00	633 HALLWAY
20	NA	2-VS	0	CONTAINMENT VENTILATION / VENTILATION CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM
21	12	12-HE-16S	0	SPENT FUEL PIT COOLING/CLEANUP & CCW / SOUTH SPENT FUEL PIT HEAT EXCHANGER	U-2 AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM
21	12	2-HE-11	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER HEAT EXCHANGER	AUXILIARY	609.00	SEAL WTR HEAT XCHGR RM
21	12	2-HE-13	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
21	12	2-HE-14	0	LETDOWN (CVCS) / LETDOWN HEAT EXCHANGER	AUXILIARY	633.00	LETDOWN HEAT XCHGR RM
21	2	2-HE-15E	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER	AUXILIARY	609.00	609 HALLWAY
21	1	2-HE-15W	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER	AUXILIARY	609.00	609 HALLWAY
21	2	2-HE-17E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	AUXILIARY	609.00	E RHR HEAT XCHGR RM
21	1	2-HE-17W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER	AUXILIARY	609.00	W RHR HEAT XCHGR RM
21	2	2-HE-18E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY HEAT EXCHANGER	AUXILIARY	609.00	E CONT SPRAY HEAT XCHGR RM
21	1	2-HE-18W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY HEAT EXCHANGER	AUXILIARY	609.00	W CONT SPRAY HEAT XCHGR RM
21	2	2-HE-32E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	573.00	EAST RHR PUMP RM
21	1	2-HE-32W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	573.00	W RHR PMP RM
21	2	2-HE-33E	0	CCW / EAST CONTAINMENT SPRAY PUMP PP-9E MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	573.00	E CONT SPRAY PMP RM
21	1	2-HE-33W	0	CCW / WEST CONTAINMENT SPRAY PUMP PP-9W MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	573.00	W CONT SPRAY PMP RM
21	2	2-HE-34-NE	0	COMPONENT COOLING WATER / NORTH SAFETY INJECTION PUMP PP-26N OUTBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	N SAFETY INJ PMP RM
21	2	2-HE-34-NW	0	COMPONENT COOLING WATER / NORTH SAFETY INJECTION PUMP PP-26N INBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	N SAFETY INJ PMP RM
21	1	2-HE-34-SE	0	COMPONENT COOLING WATER / SOUTH SAFETY INJECTION PUMP PP-26S OUTBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	S SAFETY INJ PMP RM
21	1	2-HE-34-SW	0	COMPONENT COOLING WATER / SOUTH SAFETY INJECTION PUMP PP-26S INBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	S SAFETY INJ PMP RM
21	2	2-HE-35N	0	COMPONENT COOLING WATER / NORTH SAFETY INJECTION PUMP PP-26N LUBE OIL COOLER	AUXILIARY	587.00	N SAFETY INJ PMP RM
21	1	2-HE-35S	0	COMPONENT COOLING WATER / SOUTH SAFETY INJECTION PUMP PP-26S LUBE OIL COOLER	AUXILIARY	587.00	S SAFETY INJ PMP RM
21	2	2-HE-36-EN	0	COMPONENT COOLING WATER / EAST CENTRIFUGAL CHARGING PUMP PP-50E INBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
21	2	2-HE-36-ES	0	COMPONENT COOLING WATER / EAST CENTRIFUGAL CHARGING PUMP PP-50E OUTBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
21	1	2-HE-36-WN	0	COMPONENT COOLING WATER / WEST CENTRIFUGAL CHARGING PUMP PP-50W INBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
21	1	2-HE-36-WS	0	COMPONENT COOLING WATER / WEST CENTRIFUGAL CHARGING PUMP PP-50W OUTBOARD MECHANICAL SEAL HEAT EXCHANGER	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM

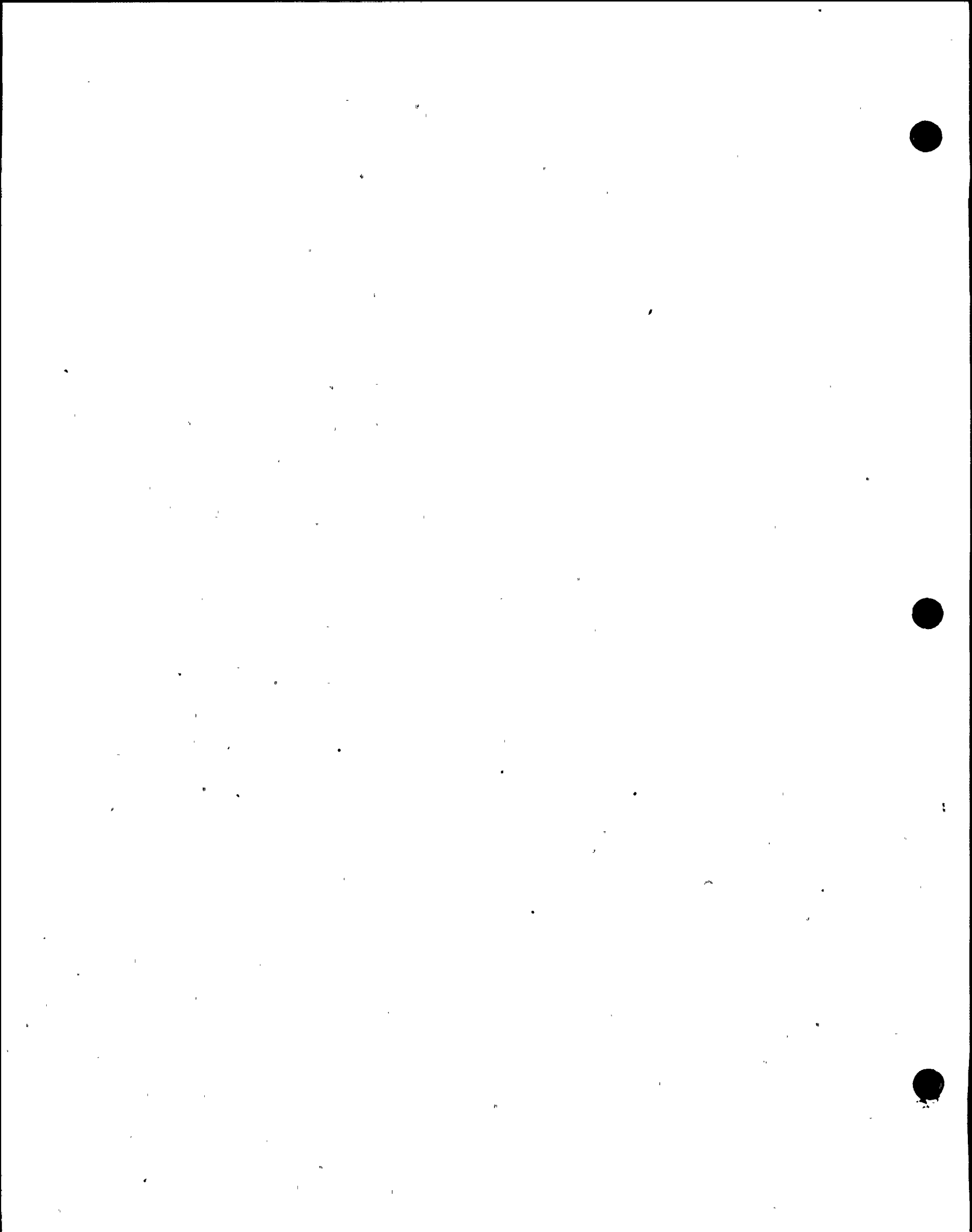
**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR SEISMIC WALKDOWN**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
21	2	2-HE-37E	0	MISCELLANEOUS SEALING AND COOLING / EAST CENTRIFUGAL CHARGING PUMP PP-50E GEAR OIL COOLER	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
21	1	2-HE-37W	0	MISCELLANEOUS SEALING AND COOLING / WEST CENTRIFUGAL CHARGING PUMP PP-50W GEAR OIL COOLER	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
21	2	2-HE-38E	0	MISCELLANEOUS SEALING AND COOLING / EAST CENTRIFUGAL CHARGING PUMP PP-50E LUBE OIL COOLER	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
21	1	2-HE-38W	0	MISCELLANEOUS SEALING AND COOLING / WEST CENTRIFUGAL CHARGING PUMP PP-50W LUBE OIL COOLER	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
21	1	2-HE-47-ABN	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER	AUXILIARY	587.00	AB EMER DSL GEN RM
21	1	2-HE-47-ABS	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-HE-47-CDN	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER	AUXILIARY	587.00	CD EMER DSL GEN RM
21	2	2-HE-47-CDS	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER	AUXILIARY	587.00	CD EMER DSL GEN RM
21	12	2-QP-21	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
21	1	2-QT-107-AB	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-107-CD	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK	AUXILIARY	587.00	CD EMER DSL GEN RM
21	1	2-QT-110-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL COOLER	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-110-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL COOLER	AUXILIARY	587.00	CD EMER DSL GEN RM
21	1	2-QT-115-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL SUMP TANK	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
21	2	2-QT-115-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL SUMP TANK	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
21	1	2-QT-131-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER COOLER	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-131-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER COOLER	AUXILIARY	587.00	CD EMER DSL GEN RM
21	1	2-QT-133-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER SURGE TANK	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-133-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER SURGE TANK	AUXILIARY	587.00	CD EMER DSL GEN RM
21	1	2-QT-134-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-134-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER (TANK)	AUXILIARY	587.00	CD EMER DSL GEN RM
21	1	2-QT-141-AB1	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER #1	AUXILIARY	587.00	AB EMER DSL GEN RM
21	1	2-QT-141-AB2	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER #2	AUXILIARY	587.00	AB EMER DSL GEN RM
21	2	2-QT-141-CD1	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER #1	AUXILIARY	587.00	CD EMER DSL GEN RM
21	2	2-QT-141-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER #2	AUXILIARY	587.00	CD EMER DSL GEN RM
21	12	2-TK-10	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK	AUXILIARY	609.00	VOL CTRL TANK RM
21	12	2-TK-11	0	BORON INJECTION / BORON INJECTION TANK	AUXILIARY	612.00	BORON INJ TANK RM
21	12	2-TK-12S	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID STORAGE TANK	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
21	12	2-TK-150	0	DRAINS, MISCELLANEOUS / MAIN STEAM LEADS CONDENSATION DRAIN TANK	AUXILIARY	600.00	MN STM LINES VERT PIPE CHASE
21	12	2-TK-32	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK	GROUND	609.00	INNER PLANT GROUND
21	12	2-TK-33	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK	GROUND	609.00	REFUEL WTR STOR TANK AREA
21	12	2-TK-37	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER SURGE TANK	AUXILIARY	650.00	650 HALLWAY
21	2	2-TK-76N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER EXPANSION TANK	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
21	1	2-TK-76S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER EXPANSION TANK	AUXILIARY	650.00	CTRL RM AIR CONDIT RM

APPENDIX C

DONALD C. COOK NUCLEAR PLANT - UNIT 1

**SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**



Donald C. Cook Nuclear Plant - Unit 1

SSEL Certification:

The information identifying the equipment required to bring the plant to a safe shutdown condition on this safe shutdown equipment list is, to be the best of our knowledge and belief, correct and accurate.

<u>Name</u>	<u>Signature</u>	<u>Date</u>
B. A. Svensson Operations	<u>B. A. Svensson</u>	<u>1/21/96</u>
G. P. Arent Operations	<u>G. P. Arent</u>	<u>12-15-95</u>
J. V. Ruparel Systems	<u>J. V. Ruparel</u>	<u>DEC 15, 95.</u>
H. W. Young Systems	<u>H. W. Young III</u>	<u>12/15/95</u>
R. C. Steele Electrical	<u>R. C. Steele</u>	<u>12-15-95</u>
T. R. Satyan Sharma Project Manager	<u>T. R. Satyan Sharma</u>	<u>12/15/95</u>

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
0	12	1-HV-ACFD-1	0	CONTROL ROOM VENTILATION / PLANT PROCESS COMPUTER ROOM VENTILATION EXHAUST NORTH FIRE DAMPER	U-1 AUXILIARY	650.00	PLANT PROCESS CMPTR RM
0	12	1-HV-ACFD-2	0	CONTROL ROOM VENTILATION / PLANT PROCESS COMPUTER ROOM VENTILATION EXHAUST SOUTH FIRE DAMPER	U-1 AUXILIARY	650.00	PLANT PROCESS CMPTR RM
0	12	1-HV-ACFD-3	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENT UNITS HV-ACRA-1 AND HV-ACRA-2 TO PLANT PROCESS COMPUTER ROOM FIRE DAMPER	U-1 AUXILIARY	650.00	PLANT PROCESS CMPTR RM
0	1	1-HV-DGS-FD-1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FIRE DAMPER	U-1 AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	1-HV-DGS-FD-2	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FIRE DAMPER	U-1 AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	1-HV-DGX-FD-1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FIRE DAMPER	U-1 AUXILIARY	587.00	AB EMERGENCY DIESEL GENERATOR ROOM
0	2	1-HV-DGX-FD-2	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FIRE DAMPER	U-1 AUXILIARY	587.00	CD EMER DSL GEN RM
0	2	1-OME-34E	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
0	1	1-OME-34W	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
0	1	1-QT-100-AB	0	DIESEL COMBUSTION AIR / AB EMERG DIESEL AIR INTAKE FILTER	GROUNDS	609.00	INNER PLANT GROUNDS
0	2	1-QT-100-CD	0	DIESEL COMBUSTION AIR / CD EMERG DIESEL AIR INTAKE FILTER	GROUNDS	609.00	INNER PLANT GROUNDS
0	1	1-QT-118-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	1-QT-118-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
1	1	1-AB-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC AB-A	AUXILIARY	587.00	587 HALLWAY
1	2	1-AB-D	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC 1-AB-D	AUXILIARY	587.00	587 HALLWAY
1	1	1-ABD-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC ABD-A	AUXILIARY	587.00	AB EMER DSL GEN RM
1	1	1-ABD-B	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC ABD-B	AUXILIARY	587.00	AB EMER DSL GEN RM
1	2	1-ABD-C	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC ABD-C	AUXILIARY	587.00	CD EMER DSL GEN RM
1	2	1-ABD-D	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC ABD-D	AUXILIARY	609.00	4KV RM - 600V SWGR
1	1	1-ABV-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC VCC ABV-A	AUXILIARY	587.00	587 HALLWAY
1	2	1-ABV-D	0	600V AC DISTR / MCC 1-ABV-D	AUXILIARY	587.00	587 HALLWAY
1	1	1-AM-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC AM-A	AUXILIARY	633.00	633 HALLWAY
1	2	1-AM-D	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC AM-D	AUXILIARY	633.00	633 HALLWAY
1	1	1-AZ-BC	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC AZ-BC	AUXILIARY	609.00	609 HALLWAY
1	1	1-AZV-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC VCC AZV-A	AUXILIARY	587.00	609 HALLWAY
1	1	1-EZC-A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC EZC-A	AUXILIARY	613.00	4KV RM - MEZZANINE
1	1	1-EZC-B	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC EZC-B	AUXILIARY	613.00	4KV RM - MEZZANINE
1	2	1-EZC-C	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC EZC-C	AUXILIARY	613.00	4KV RM - MEZZANINE
1	2	1-EZC-D	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC EZC-D	AUXILIARY	613.00	4KV RM - MEZZANINE
1	1	1-PS-A	0	ELECTRICAL DISTRIBUTION, 600 VAC / 600 VAC MCC 1-PS-A	SCREEN HOUSE	594.00	TRAVELING SCR N MCC UPPER RM
1	2	1-PS-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600 VAC MCC 1-PS-D	SCREENHOUSE	594.00	TRAVELING SCR N MCC UPPER RM
2	1	1-11A1	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL SOUTH MOTOR-GENERATOR SET CRDMG-1S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11A10	0	ELECTRICAL DISTRIBUTION, 600VAC / WEST TURBINE AUXILIARY COOLING WATER PUMP PP-14W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2		1-11A11	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11A13	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-A1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11A4	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH PLANT LIGHTING TRANSFORMER TR-LTG-8S SUPPLY BREAKER	U-1 AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11A7	0	ELECTRICAL DISTRIBUTION, 600VAC / SERVICE BUILDING LIGHTING TRANSFORMER 12-TR-LTG-14 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
2	1	1-11A9	0	ELECTRICAL DISTRIBUTION, 600VAC / TSC UNINTERRUPTABLE PWR SOURCE EMER FEED CONSTANT VOLTAGE TRANSFORMER 12-TSC-UPS-CVT SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B10	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT AIR COMPRESSOR OME-41 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B11	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B12	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH NON-ESSENTIAL SERVICE WATER PUMP PP-8S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B13	0	ELECTRICAL DISTRIBUTION, 600VAC / TURBINE ROOM INDUCTION HEATING, STRESS RELIEF AND BOLT HEATERS SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B3	0	ELECTRICAL DISTRIBUTION, 600VAC / EAST AND WEST AUXILIARY BUILDING CRANES 12-OM-3E AND 12-OM-3W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B4	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC MCC AZ-BC SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B5	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTERS TBG-BE AND TBP-BW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B6	0	ELECTRICAL DISTRIBUTION, 600VAC / EAST TURBINE AUXILIARY COOLING WATER PUMP PP-14E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B7	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT HEATING BOILER FORCED DRAFT FAN 12-OME-10-FAN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	1	1-11B8	0	ELECTRICAL DISTRIBUTION, 600VAC / MAKEUP PLANT VACUUM DEGASIFIER 2ND STAGE VACUUM PUMP 12-PP-44M SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C1	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C12	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH SPENT FUEL PIT PUMP 12-PP-31N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C13	0	ELECTRICAL DISTRIBUTION 600 VAC / CIRCUIT BREAKER-600V FOR RECIPROCATING CHARGING PUMP 1-PP-49	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C14	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 11C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C15	0	ELECTRICAL DISTRIBUTION, 600VAC / TECHNICAL SUPPORT CENTER UNINTERRUPTABLE POWER SUPPLY NORMAL SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C16	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTERS TBC-CS AND TBG-CW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C17	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH NON-ESSENTIAL SERVICE WATER PUMP PP-8N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C18	0	ELECTRICAL DISTRIBUTION, 600VAC / TURBINE BUILDING 240/50 TON OVERHEAD CRANE 12-OM-1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C2	0	ELECTRICAL DISTRIBUTION, 600VAC / CONTAINMENT POLAR CRANE OM-4 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C3	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-C1 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C4	0	ELECTRICAL DISTRIBUTION, 600VAC / CIRCULATING WATER TRAVELING SCREENS NORTH WASH PUMP 12-PP-15N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C5	0	ELECTRICAL DISTRIBUTION, 600VAC / MAKEUP PLANT VACUUM DEGASIFIER STANDBY VACUUM PUMP 12-PP-44W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C7	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 11C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C8	0	ELECTRICAL DISTRIBUTION, 600VAC / SERVICE BUILDING AND CONTAINMENT STANDBY LIGHTING TRANSFORMER TR-LTG-8 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11C9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES NORMAL DISTRIBUTION CABINET TCSN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11D1	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11D10	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH PLANT LIGHTING TRANSFORMER TR-LTG-9N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11D13	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL NORTH MOTOR-GENERATOR SET CRDMG-1N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
2	2	1-11D3	0	ELECTRICAL DISTRIBUTION, 600VAC / CONTAINMENT LIGHTING TRANSFORMER TR-LTG-10 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-11D9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES EMERGENCY DISTRIBUTION CABINET TCSE SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR
2	2	1-52-BYA	0	REACTOR TRIP BREAKER / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	1-52-BYB	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	2	1-52-RTA	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	1-52-RTB	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
3	1	1-T11A1	0	ELECTRICAL DISTRIBUTION, 4160 VAC / SOUTH SAFETY INJECTION PUMP PP-28S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A10	0	ELECTRICAL DISTRIBUTION 4160VAC / 600V BUS 11A SUPPLY TRANSFORMER TR11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A11	0	ELECTRICAL DISTRIBUTION 4160VAC / AB EMERG DIESEL GENERATOR TO 4KV BUS T11A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A12	0	ELECTRICAL DISTRIBUTION 4160 VAC / CIRCUIT BREAKER FROM 69kV TO BUS T11A	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A3	0	ELECTRICAL DISTRIBUTION, 4160 VAC / WEST CONTAINMENT SPRAY PUMP PP-9W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A6	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T11A TO 480V PRESSURIZER HEATER BUS SUPPLY XFMR TR11A PHA SUPPLY BRKR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11A9	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 1A TO 4KV BUS T11A TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11B1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 1B TO 4KV BUS T11B TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11B2	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER FROM 69kV BUS TO BUS T11B	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	1	1-T11B4	0	ELECTRICAL DISTRIBUTION 4160VAC / AB EMERG DIESEL GENERATOR TO 4KV BUS T11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
3	2	1-T11C1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 1C TO 4KV BUS T11C TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11C2	0	ELECTRICAL DISTRIBUTION 4160 VOLTS / CIRCUIT BREAKER-4KV FROM 69KV TO BUS T11C	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11C3	0	ELECTRICAL DISTRIBUTION 4160VAC / CD EMERG DIESEL GENERATOR TO 4KV BUS T11C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D1	0	ELECTRICAL DISTRIBUTION, 4160 VAC. / CIRCUIT BREAKER 4KV FROM 69KV FEED TO BUS T11D	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D12	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 1D TO 4KV BUS T11D TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D2	0	ELECTRICAL DISTRIBUTION 4160VAC / 600V BUS 11D SUPPLY TRANSFORMER TR11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D4	0	ELECTRICAL DISTRIBUTION, 4160 VAC / EAST CONTAINMENT SPRAY PUMP PP-9E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D5	0	ELECTRICAL DISTRIBUTION, 4160 VAC / NORTH SAFETY INJECTION PUMP PP-28N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D8	0	ELECTRICAL DISTRIBUTION 4160VAC / CD EMERG DIESEL GENERATOR TO 4KV BUS T11D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
3	2	1-T11D9	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T11D TO 480V PRESSURIZER HEATER BUS SUPPLY XFMR TR11PHC SUPPLY BRKR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
4	2	1-CRID-I-CVT	0	120V CTRL RM INSTRUMENTATION DISTR / 10KVA TRANSFORMER-CONSTANT VOLTAGE	AUXILIARY	609.00	4KV RM - 600V SWGR
4	2	1-CRID-II-CVT	0	120VAC DISTRIBUTION / 120V AC CR INST DISTR CH-II ISOL. CONT. VOLT TRANSF	AUXILIARY	609.00	4KV RM - 600V SWGR
4	1	1-CRID-III-CVT	0	120V CTRL RM INSTRUMENTATION DISTR / 10KVA ISOLIMETER-CONSTANT VOLTAGE-TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR
4	1	1-CRID-IV-CVT	0	120V CTRL RM INSTRUMENTATION DISTR / 10KVA ISOLIMETER-CONSTANT VOLTAGE-TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR
4	1	1-DGAB-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
4	2	1-DGCD-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENT / CD EMERGENCY DIESEL GENERATOR ONE-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM
4	1	1-TR11A	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11A SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR
4	1	1-TR11B	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11B SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR
4	2	1-TR11C	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11C SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
4	2	1-TR11D	0	ELECTRICAL DISTRIBUTION 600VAC / 600VAC BUS 11D SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR
5	2	1-PP-10E	0	CCW / EAST CCW PUMP	AUXILIARY	609.00	609 HALLWAY
5	2	1-PP-10W	0	CCW / WEST CCW PUMP	AUXILIARY	609.00	609 HALLWAY
5	2	1-PP-26N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP	AUXILIARY	587.00	N SAFETY INJ PMP RM
5	1	1-PP-26S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP	AUXILIARY	587.00	S SAFETY INJ PMP RM
5	2	1-PP-3E	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEEDWATER PUMP	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU
5	1	1-PP-3W	0	AUX FEEDWATER / WEST MOTOR DRIVEN AUX FEEDWATER PUMP	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
5	12	1-PP-4	0	AUX FEEDWATER / TURBINE DRIV AUX FEEDWATER PUMP	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
5	2	1-PP-48-1	0	CVCS / BORIC ACID STORAGE TANKS TRANSFER PUMP 1	AUXILIARY	587.00	BORIC ACID STOR TANK
5	1	1-PP-48-2	0	CVCS / BORIC ACID STORAGE TANKS TRANSFER PUMP 2	AUXILIARY	587.00	BORIC ACID STOR TANK
5	12	1-PP-49	0	CVCS / RECIPROCATING CHARGING PUMP	AUXILIARY	587.00	RECIPROCATING CHRG PMP RM
5	2	1-PP-50E	0	CVCS / EAST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	E CNTRFGL CHARG PMP RM
5	1	1-PP-50W	0	CVCS / WEST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	W CENTRIFUGAL CHRG PMP RM
5	2	1-PP-82N	0	CONTROL ROOM A/C CHILL WATER / CONTROL ROOM NORTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR COND RM
5	1	1-PP-82S	0	CONTROL ROOM A/C CHILL WATER / CONTROL A/C SOUTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR COND RM
5	1	1-QT-108-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFR PMP
5	1	1-QT-108-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFR PMP
5	2	1-QT-108-CD1	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL TRANSFER PUMP 1	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFR PMP
5	2	1-QT-108-CD2	0	DIESEL FUEL OIL / CD EMERG DIESEL FUEL OIL TRANSFER PUMP 2	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFR PMP
5	1	1-QT-111-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	1-QT-111-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	1-QT-117-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL LUBE OIL HEATER QT-118-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	1-QT-117-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL LUBE OIL HEATER QT-118-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	1-QT-119-AB	0	DIESEL LUBE OIL / AB EMERG DIESEL LUBE OIL FILTER (QT-118-AB) PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	1-QT-119-CD	0	DIESEL LUBE OIL / CD EMERG DIESEL BYPASS LUBE OIL FILTER (QT-118-CD) PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	1-QT-130-AB1	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	AB EMER DSL GEN RM
5	1	1-QT-130-AB2	0	DIESEL JACKET WATER / AB EMERG DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	1-QT-130-CD1	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	CD EMER DSL GEN RM
5	2	1-QT-130-CD2	0	DIESEL JACKET WATER / CD EMERG DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	CD EMER DSL GEN RM
5	1	1-QT-135-AB	0	DIESEL JACKET WATER / AB EMERG DIESEL AUX JACKET WATER PUMP	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	1-QT-135-CD	0	DIESEL JACKET WATER / CD EMERG DIESEL AUX JACKET WATER PUMP	AUXILIARY	587.00	CD EMER DSL GEN RM
5	12	12-PP-10	0	CCW / SPARE CCW PUMP	AUXILIARY	609.00	609 HALLWAY
5	12	12-PP-31N	0	SPENT FUEL PIT COOLING/CLEANUP / NORTH SPENT FUEL PIT PUMP	UNIT #1 AUX	609.00	SPENT FUEL PIT HEAT XCHGR RM
6	2	1-PP-35E	0	RHR / EAST RHR PUMP	AUXILIARY	573.00	EAST RHR PUMP RM
6	1	1-PP-35W	0	RHR / WEST RHR PUMP	AUXILIARY	573.00	W RHR PUMP RM
6	2	1-PP-7E	0	ESW / EAST ESW PUMP	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
6	1	1-PP-7W	0	ESW / WEST ESW PUMP	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
6	2	1-PP-9E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	E CONT SPRAY PMP RM
6	1	1-PP-9W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	W CONT SPRAY PMP RM
7	2	1-CRV-410	0	CCW / DEMINERALIZED MAKEUP WATER TO CCW SURGE TANK 'A' 1.5 in AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00	650 HALLWAY

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	1-CRV-411	0	CCW / DEMINERALIZED MAKEUP WATER TO CCW SURGE TANK 'B' 1.5 In AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00	650 HALLWAY
7	2	1-DCR-301	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 BLOWDOWN SAMPLE DSR-301 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	1-DCR-302	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 BLOWDOWN SAMPLE DSR-302 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	1-DCR-303	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 BLOWDOWN SAMPLE DSR-303 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	1-DCR-304	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 BLOWDOWN SAMPLE DSR-304 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	1-DCR-310	0	BLOWDOWN / STEAM GENERATOR OME-3-1 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	1-DCR-320	0	BLOWDOWN / STEAM GENERATOR OME-3-2 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	1-DCR-330	0	BLOWDOWN / STEAM GENERATOR OME-3-3 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	2	1-DCR-340	0	BLOWDOWN / STEAM GENERATOR OME-3-4 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	12	1-DRV-407	0	STEAM LINE DRAINS / MAIN STEAM LEADS CONDENSATION DRAIN TANK TK-200, OUTLET SHUTOFF VALVE	AUXILIARY	621.00	W MAIN STM STOP ENCL
7	1	1-FRV-247	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W EMERG 1 In AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
7	2	1-FRV-257	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEEDWATER PUMP PP-3E EMERG 1 In AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU
7	12	1-FRV-258	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP EMERG 1 In AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
7	12	1-GCR-314	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	12	1-GRV-341	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS VENT TO ATMOS. VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
7	12	1-HV-SGR-MD-1	0	AUX BUILDING VENTILATION / CONTROL ROO DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR
7	12	1-HV-SGR-MD-2	0	AUX BUILDING VENTILATION / CONTROL ROO DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR
7	2	1-4RV-112	0	NITROGEN (REACTOR PLANT SERVICES) / ACCUMULATOR TANK OME-6-1 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUM TANK1 AREA
7	2	1-4RV-116	0	RHR / ACCUMULATOR TANK OME-6-1 0.75 In AIR OPERATED OUTLET TO REACTOR COOLANT LOOP #1 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD1
7	1	1-4RV-122	0	NITROGEN (REACTOR PLANT SERVICES) / ACCUMULATOR TANK OME-6-2 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUM TANK2 AREA
7	1	1-4RV-126	0	RHR / ACCUMULATOR TANK OME-6-2 0.75 In AIR OPERATED OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 2 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
7	2	1-4RV-132	0	NITROGEN (REACTOR PLANT SERVICES) / ACCUMULATOR TANK OME-6-3 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUM TANK3 AREA
7	2	1-4RV-136	0	RHR / ACCUMULATOR TANK OME-6-3 OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 3 COLD LEG 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD3
7	1	1-4RV-142	0	NITROGEN (REACTOR PLANT SERVICES) / ACCUMULATOR TANK OME-6-4 NITROGEN SUPPLY VENT VALVE	CONTAINMENT	612.00	ACCUM TANK4 AREA
7	1	1-4RV-146	0	RHR / ACCUMULATOR TANK OME-6-4 1 In AIR OPERATED OUTLET AND SAFETY INJECTION TO REACTOR COOLANT LOOP 4 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD4
7	1	1-4RV-147	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-1 FAN RM
7	2	1-4RV-148	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-1 FAN RM
7	1	1-4RV-149	0	RHR / WEST RHR TO REACTOR COOLANT LOOPS 2 AND 3 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-1 FAN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	1-RV-150	0	RHR / EAST RHR TO REACTOR COOLANT LOOPS 1 AND 4 0.75 In AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-1 FAN RM
7	12	1-RV-200	0	SAFETY INJECTION / SAFETY INJECTION TEST LINE SHUTOFF 0.75 In AIR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
7	2	1-RV-310	0	RHR / EAST RHR HEAT EXCHANGER HE-17E 8 In AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
7	12	1-RV-311	0	RHR / RHR HEAT EXCHANGERS BYPASS FLOW 8 In AIR OPERATED CONTROL VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
7	1	1-RV-320	0	RHR / WEST RHR HEAT EXCHANGER HE-17W 8 In AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
7	12	1-RV-50	0	BORON INJECTION / BORON INJECTION TO ACCUMULATOR FILL LINE 1 In AIR OPERATED CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
7	12	1-RV-60	0	SAFETY INJECTION / SAFETY INJECTION TO ACCUMULATOR FILL LINE 1 In AIR OPERATED CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
7	2	1-MCR-251	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 STEAM SAMPLE MSX-101 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	1-MCR-252	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 STEAM SAMPLE MSX-102 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	1-MCR-253	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 STEAM SAMPLE MSX-103 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	1-MCR-254	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 STEAM SAMPLE MSX-104 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	1-MRV-151	0	NUCLEAR SAMPLING / STEAM GENERATOR 1 STEAM SAMPLE MSX-101 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	E CONT LWR VENT RM
7	1	1-MRV-152	0	NUCLEAR SAMPLING / STEAM GENERATOR 2 STEAM SAMPLE MSX-102 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	1	1-MRV-153	0	NUCLEAR SAMPLING / STEAM GENERATOR 3 STEAM SAMPLE MSX-103 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	2	1-MRV-154	0	NUCLEAR SAMPLING / STEAM GENERATOR 4 STEAM SAMPLE MSX-104 0.5 In AIR OPERATED CONTAINMENT ISOLATION VALVE	CONTAINMENT	591.00	E CONT LWR VENT RM
7	2	1-MRV-211	0	MAIN STEAM / STEAM GENERATOR 1 STOP VALVE MRV-210 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	1-MRV-212	0	MAIN STEAM / STEAM GENERATOR 1 STOP VALVE MRV-210 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	1-MRV-221	0	MAIN STEAM / STEAM GENERATOR 2 STOP VALVE MRV-220 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
7	1	1-MRV-222	0	MAIN STEAM / STEAM GENERATOR 2 STOP VALVE MRV-220 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
7	1	1-MRV-231	0	MAIN STEAM / STEAM GENERATOR 3 STOP VALVE MRV-230 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
7	1	1-MRV-232	0	MAIN STEAM / STEAM GENERATOR 3 STOP VALVE MRV-230 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
7	2	1-MRV-241	0	MAIN STEAM / STEAM GENERATOR 4 STOP VALVE MRV-240 STEAM CYLINDER 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	1-MRV-242	0	MAIN STEAM / STEAM GENERATOR 4 STOP VALVE MRV-240 STEAM CYLINDER 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	1-NRV-101	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP 1 HOT LEG SAMPLE NSX-101 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD1
7	12	1-NRV-102	0	NUCLEAR SAMPLING / PRESSURIZER LIQUID SPACE SAMPLE NSX-102 0.5 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	1-NRV-103	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP 3 HOT LEG SAMPLE NSV-103 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD3
7	12	1-NRV-104	0	NUCLEAR SAMPLING / PRESSURIZER STEAM SPACE SAMPLE NSX-104 0.5 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	1-NRV-151	0	PRESSURIZER / PRESSURIZER 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL INTERIOR

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	1-NRV-152	0	PRESSURIZER / PRESSURIZER 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
7	2	1-NRV-153	0	PRESSURIZER / PRESSURIZER 'A' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
7	12	1-QRV-10	0	RCTR COOLANT PMP SEAL WTR IN/LEAKOFF / RCP 1 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD1
7	2	1-QRV-111	0	CVCS / REACTOR COOLANT NORMAL LETDOWN TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD4
7	1	1-QRV-112	0	CVCS / REACTOR COOLANT NORMAL LETDOWN TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD4
7	1	1-QRV-113	0	CVCS / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 In AIR OPERATED 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD4
7	2	1-QRV-114	0	CVCS / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 In AIR OPERATED 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD4
7	12	1-QRV-150	0	RCTR COOLANT PMP SEAL WTR IN/LEAKOFF / REACTOR COOLANT PUMPS STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTER QC-109 0.75 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
7	12	1-QRV-170	0	CVCS / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 In AIR OPERATED OUTLET PRESSURE CONTROL VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	1-QRV-171	0	CVCS / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 In AIR OPERATED OUTLET DIVERSION VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	1-QRV-20	0	RCTR COOLANT PMP SEAL WTR IN/LEAKOFF / RCP 2 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD2
7	12	1-QRV-251	0	CVCS / SEAL INJECTION WATER FLOW 3 In AIR OPERATED CONTROL VALVE	AUXILIARY	587.00	RECIPROCATING CHRG PMP RM
7	12	1-QRV-30	0	RCTR COOLANT PMP SEAL WTR IN/LEAKOFF / RCP 3 SEAL 1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD3
7	12	1-QRV-40	0	RCTR COOLANT PMP SEAL WTR IN/LEAKOFF / RCP 4 SEAL 1 LEAKOFF TO RCP RETURN FILTER QC-109 2 In AIR OPERATED SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD4
7	12	1-QRV-400	0	CVCS / NORTH BORIC ACID BLENDER QP-21 2 In AIR OPERATED TO CVCS CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	609.00	VOL CONTROL TANK E HALLWAY
7	12	1-QRV-411	0	CVCS (BORON MAKEUP) / NORTH BORIC ACID FILTER TO CVCS CHARGING PUMPS AND NORTH BORIC ACID BLENDER 1 In AIR OPERATED FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK
7	12	1-QRV-451	0	BORON MAKEUP (CVCS) / NORTH BORIC ACID BLENDER QP-21 TO REACTOR COOLANT LETDOWN VOLUME CONTROL TANK SHUTOFF VALVE	AUXILIARY	609.00	VOL CONTROL TANK E HALLWAY
7	2	1-VRV-315	0	CONTROL ROOM A/C CHILL WATER / CONTROL ROOM VENT UNIT HV-ACRA-1 CHILL WATER INLET/BYPASS, 3-WAY AIR OPERATED CONTROL VALVE	AUXILIARY	650.00	CONTROL ROOM A/C ROOM
7	1	1-VRV-325	0	CONTROL ROOM A/C CHILL WATER / CONTROL ROOM VENT UNIT HV-ACRA-2 CHILL WATER INLET/BYPASS 3-WAY AIR OPERATED CONTROL VALVE	AUXILIARY	650.00	CONTROL ROOM A/C ROOM
7	2	1-WRV-761	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	1-WRV-762	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	1-WRV-766	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH 4 In AIR OPERATED INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	1-WRV-767	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH INLET 4 In AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	1-WRV-771	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	1-WRV-772	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	1-WRV-776	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH INLET 4 In AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	1-WRV-777	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH INLET 4 In AIR OPERATED SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	1-XRV-220	0	DIESEL STARTING AIR / AB EMERG DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	1-XRV-222	0	DIESEL STARTING AIR / AB EMERG DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	1-XRV-225	0	DIESEL STARTING AIR / CD EMERG DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	1-XRV-226	0	DIESEL STARTING AIR / CD EMERG DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	1-XRV-227	0	DIESEL STARTING AIR / CD EMERG DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	12	12-CRV-51	0	CONDENSATE STORAGE SUPPLY / UNIT 1 AND 2 CONDENSATE STORAGE TANK CROSSTIE 8 in AIR OPERATED SHUTOFF VALVE	TURBINE	591.00	AUX FEED PMP E HALLWAY
7	12	12-ORV-410	0	CVCS / NORTH EAST TK-12N 2 in AIR OPERATED INLET FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK
7	12	12-ORV-420	0	CVCS (BORON MAKEUP) / MIDDLES EAST TK-12M 2 in AIR OPERATED INLET FLOW CONTROL VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK
8	2	1-CCM-451	0	CCW / REACTOR COOLANT PUMPS BEARING OIL COOLERS CCW RETURN HEADER 'A' CONTAINMENT 8 in MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	1	1-CCM-452	0	CCW / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER 'B' CONTAINMENT 8 in MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-CCM-453	0	CCW / RCP THERMAL BARRIER CCW OUTLET 'A' CONTAINMENT 4 in MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	1	1-CCM-454	0	CCW / RC PUMPS THERMAL BARRIER CCW RETURN HEADER 'B' CONTAINMENT 4 in MOTOR OPERATED ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-CCM-458	0	CCW / CCW TO REACTOR COOLANT PUMPS TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	1	1-CCM-459	0	CCW / CCW TO REACTOR COOLANT PUMPS TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-CMO-410	0	CCW / EAST CCW TO HEAT EXCHANGER HE-15E CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-CMO-411	0	CCW / CCW PUMPS SUCTION CROSSTIE HEADER 'A' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-CMO-412	0	CCW / CCW PUMPS DISCHARGE CROSSTIE HEADER 'A' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-CMO-413	0	CCW / CCW PUMPS SUCTION CROSSTIE HEADER 'B' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-CMO-414	0	CCW / CCW PUMPS DISCHARGE CROSSTIE HEADER 'A' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-CMO-415	0	CCW / CCW TO MISCELLANEOUS SERVICE HEADER 'A' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-CMO-416	0	CCW / CCW TO MISCELLANEOUS SERVICE HEADER 'B' 18 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-CMO-419	0	CCW / EAST RHR HEAT EXCHANGER HE-17E CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-CMO-420	0	CCW / WEST CCW TO HEAT EXCHANGER HE-15W CCW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-CMO-429	0	CCW / WEST RHR HEAT EXCHANGER HE-17W CCW OUTLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	1-FMO-211	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	1-FMO-212	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEEDWATER PUMP PP-3W SUPPLY TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	2	1-FMO-221	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-FMO-222	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEED PUMP PP-3E SUPPLY TO STEAM GENERATOR OME-3-2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-FMO-231	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PP-4 PUMP SUPPLY TO STEAM GENERATOR OME-3-3 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
8	2	1-FMO-232	0	AUX FEEDWATER / EAST MOTOR DRIV AUX FEED PUMP PP-3E SUPPLY TO STEAM GENERATOR 3-3 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	1	1-FMO-241	0	AUX FEEDWATER / TURBINE DRIV AUX FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-4 4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	1-FMO-242	0	AUX FEEDWATER / WEST MOTOR DRIV AUX FEED PUMP PP-3W SUPPLY TO STEAM GENERATOR 3-4 4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	1-HV-DOP-AB1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	1-HV-DOP-AB2	0	DIESEL ROOM VENTILATION / DIESEL GENERATOR ROOM 1AB VENTILATION SUPPLY FAN HV-DGS-1 TEMPERING AIR DAMPER 1-HV-DOP-ABZ	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	1-HV-DOP-CD1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	1-HV-DOP-CD2	0	DIESEL ROOM VENTILATION / DIESEL GEN ROOM 1 CD VENTILATION SUPPLY FAN 1-HV-DGS-2 TEMPERING AIR DAMPER 1-HV-DOP-CD2	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	1-HV-DGS-DAB	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	588.00	RCTR CABLE TUNNEL, QUAD3
8	2	1-HV-DGS-DCD	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL
8	12	1-HV-SGR-MD-3	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11A & TR11C AREA VENT SUPPLY FAN HV-SGRS-8 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR
8	12	1-HV-SGR-MD-4	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS AREA VENTILATION SUPPLY FAN HV-SGRS-7 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR
8	12	1-HV-SGR-MD-5	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN HV-SGRS-9 VENT DAMPER	AUXILIARY	613.00	4KV RM - MEZZANINE
8	12	1-ICM-111	0	RHR / RHR TO REACTOR COOLANT LOOPS 2 AND 3 COLD LEGS CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
8	2	1-ICM-129	0	RHR / REACTOR COOLANT LOOP 2 HOT LEG TO RHR PUMPS SUCTION CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
8	2	1-ICM-250	0	BORON INJECTION / BORON INJECTION TANK 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	1	1-ICM-251	0	BORON INJECTION / BORON INJECTION TANK 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	2	1-ICM-260	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE CONTAINMENT ISOLATION 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	1-ICM-265	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE CONTAINMENT ISOLATION 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	1-ICM-305	0	RHR / RECIRCULATION SUMP TO EAST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION 18 In MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	1	1-ICM-306	0	RHR / RECIRCULATION SUMP TO WEST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION 18 In MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	2	1-ICM-311	0	RHR / EAST RHR TO REACTOR COOLANT LOOPS 1 AND 4 HOT LEGS CONTAINMENT ISOLATION 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
8	1	1-ICM-321	0	RHR / WEST RHR TO REACTOR COOLANT LOOPS 2 AND 3 HOT LEGS CONTAINMENT ISOLATION 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	1-IMO-128	0	RHR / REACTOR COOLANT LOOP 2 HOT LEG TO RHR PUMPS SUCTION SHUTOFF VALVE	CONTAINMENT	598.00	LOWER CONT, QUAD2
8	2	1-IMO-210	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE SHUTOFF 10 In MOTOR OPERATED VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	1-IMO-211	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE SHUTOFF 10 In MOTOR OPERATED VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	1-IMO-212	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR 2 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM



**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

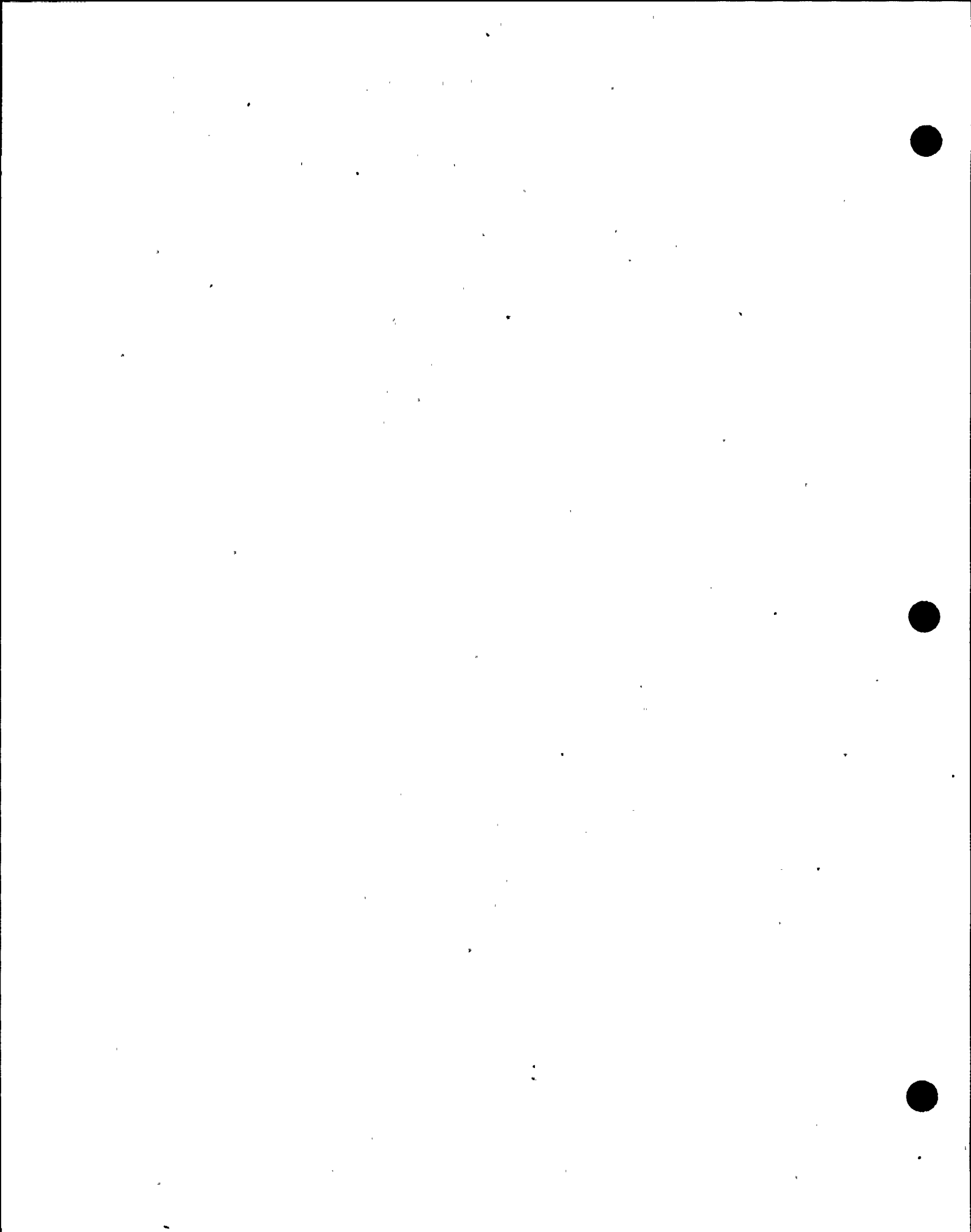
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	1-IMO-215	0	CONTAINMENT SPRAY / RWST TO EAST CONTAINMENT SPRAY PUMP PP-9E SUCTION 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	1	1-IMO-220	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 In MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	1-IMO-221	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 In MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	1-IMO-222	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF 2 In MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	1-IMO-225	0	CONTAINMENT SPRAY / RWST TO WEST CONTAINMENT SPRAY PUMP PP-9W SUCTION 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	2	1-IMO-255	0	BORON INJECTION / BORON INJECTION TANK 'A' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	1	1-IMO-256	0	BORON INJECTION / BORON INJECTION TANK 'B' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	12	1-IMO-261	0	REFUELING WATER STORAGE TANK SUPPLY / TK-33 SUPPLY TO SAFETY INJECTION PUMP SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	2	1-IMO-262	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'A' SHUTOFF 2 In MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	1	1-IMO-263	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'B' SHUTOFF 2 In MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	1-IMO-270	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	1-IMO-275	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	1-IMO-310	0	RHR / EAST RHR PUMP PP-35E SUCTION SHUTOFF 14 In MOTOR OPERATED VALVE	AUXILIARY	573.00	EAST RHR PUMP RM
8	2	1-IMO-312	0	RHR / EAST RHR HEAT EXCHANGER HE-17E OUTLET MIN-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
8	2	1-IMO-314	0	RHR / EAST RHR PUMP PP-35E DISCHARGE CROSSTIE SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
8	2	1-IMO-315	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LWR VENT RM
8	2	1-IMO-316	0	RHR / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 1 AND 4 COLD LEGS SHUTOFF 8 In MOTOR OPERATED VALVE	CONTAINMENT	612.00	E CONT LWR VENT RM
8	1	1-IMO-320	0	RHR / WEST RHR PUMP PP-35W SUCTION SHUTOFF 14 In MOTOR OPERATED VALVE	AUXILIARY	573.00	W RHR PUMP RM
8	1	1-IMO-322	0	RHR / WEST RHR HEAT EXCHANGER HE- 17W OUTLET MIN-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	1-IMO-324	0	RHR / WEST RHR PUMP PP-35W DISCHARGE CROSSTIE SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	1-IMO-325	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	1	1-IMO-326	0	RHR / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS 2 AND 3 COLD LEGS SHUTOFF 8 In MOTOR OPERATED VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	2	1-IMO-330	0	RHR / EAST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
8	1	1-IMO-331	0	RHR / WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	12	1-IMO-340	0	RHR / EAST RHR HEAT EXCHANGER TO CHARGING PUMPS SUCTION SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	EAST RHR HEAT EXCHGR RM
8	12	1-IMO-350	0	RHR / WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION PUMP SUCTION SHUTOFF 8 In MOTOR OPERATED VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	12	1-IMO-360	0	SAFETY INJECTION / SAFETY INJECTION PUMPS TO CVCS CHARGING PUMPS SUCTION HEADER CROSSTIE SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHRG PMP RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	1-IMO-381	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION 'A' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	1-IMO-382	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMP 'B' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	12	1-IMO-390	0	RHR / RWST TK-33 TO RHR PUMPS SUCTION SHUTOFF 12 In MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	2	1-IMO-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 1 SHUTOFF 1.5 In MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD1
8	1	1-IMO-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 2 SHUTOFF 1.5 In MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
8	1	1-IMO-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 3 SHUTOFF 1.5 In MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD3
8	2	1-IMO-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP 4 SHUTOFF 1.5 In MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD4
8	2	1-IMO-910	0	CVCS / RWST TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARGING PUMP ROOM
8	1	1-IMO-911	0	CVCS / RWST TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	E CNTRFGL CHARG PMP RM
8	1	1-LSO-240	0	DIESEL LUBE OIL / AB EMERG DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 1	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	1-LSO-241	0	DIESEL LUBE OIL / AB EMERG DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 2	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	1-LSO-245	0	DIESEL LUBE OIL / CD EMERG DIESEL GENERATOR UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 1	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	1-LSO-246	0	DIESEL LUBE OIL / CD EMERG DIESEL GENERATOR UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID 2	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	1-MCM-221	0	MAIN STEAM / MAIN STEAM LEAD 2 TO AUX FEED PUMP TURBINE 4 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
8	1	1-MCM-231	0	MAIN STEAM / MAIN STEAM LEAD 3 TO AUX FEED PUMP TURBINE 4 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
8	2	1-MMO-210	0	MAIN STEAM / STEAM STOP VALVE MRV-210 STEAM CYLINDER DUMP 4 In MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	1-MMO-220	0	MAIN STEAM / STEAM STOP VALVE MRV-220 STEAM CYLINDER DUMP 4 In MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
8	1	1-MMO-230	0	MAIN STEAM / STEAM STOP VALVE MRV-230 STEAM CYLINDER DUMP VALVES 4 In MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	W MAIN STM STOP ENCL
8	2	1-MMO-240	0	MAIN STEAM / STEAM STOP VALVE MRV-240 STEAM CYLINDER DUMP VALVE 4 In MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	1-NMO-151	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-151 UPSTREAM 3 In MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	1	1-NMO-152	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-152 UPSTREAM 3 In MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	2	1-NMO-153	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-153 3 In MOTOR OPERATED UPSTREAM SHUTOFF VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	2	1-NSO-81	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	2	1-NSO-82	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	1	1-NSO-83	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	1	1-NSO-84	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSRZR ENCL, INTERIOR
8	2	1-QCM-250	0	RCTR COOLANT PMP SEAL WTR INJ/LEAKOFF / RCP SEAL WATER RETURN 'A' CONTAINMENT ISOLATION 4 In MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD2
8	1	1-QCM-350	0	RCTR COOLANT PMP SEAL WTR INJ/LEAKOFF / RCP SEAL WATER RETURN 'B' CONTAINMENT ISOLATION 4 In MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	2	1-QMO-200	0	CVCS / CHARGING TO REGENERATIVE HEAT EXCHANGER 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHRG PMP RM
8	1	1-QMO-201	0	CVCS / CHARGING TO REGENERATIVE HEAT EXCHANGER 'B' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHRG PMP RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	1-QMO-225	0	CVCS / EAST CENTRIFUGAL CHARGING PUMP MINI FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHR G PMP RM
8	1	1-QMO-228	0	CVCS / WEST CENTRIFUGAL CHARGING PUMP MINI FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHR G PMP RM
8	12	1-QMO-410	0	CVCS / EMERG. BORATION TO CHARGING PUMP SUCTION SHUTOFF VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK
8	2	1-QMO-451	0	CVCS / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CHARGING PUMP 'A' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CONTROL TANK E HALLWAY
8	1	1-QMO-452	0	CVCS / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CHARGING PUMP 'B' SHUTOFF 4 In MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CONTROL TANK E HALLWAY
8	12	1-QT-508	0	MAIN STEAM / TURBINE DRIV AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	1-WMO-701	0	ESW / EAST ESW PUMP PP-7E DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
8	1	1-WMO-702	0	ESW / WEST ESW PUMP PP-7W DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
8	1	1-WMO-705	0	ESW / WEST ESW SUPPLY HEADER CROSSTIE TO UNIT 2 20 In MOTOR OPERATED SHUTOFF VALVE	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL
8	2	1-WMO-707	0	ESW / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 2 20 In MOTOR OPERATED SHUTOFF VALVE	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL
8	2	1-WMO-711	0	ESW / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESW INLET 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	2	1-WMO-713	0	ESW / EAST CONTAINMENT SPRAY HEAT EXCHANGER ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-WMO-715	0	ESW / WEST CONTAINMENT SPRAY HEAT EXCHANGER HE-18W ESW INLET 12 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	1-WMO-717	0	ESW / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-WMO-721	0	ESW / WEST ESW SUPPLY HEADER TO AB EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB DSL RM SO PIPE TUNN
8	2	1-WMO-723	0	ESW / EAST ESW SUPPLY HEADER TO AB EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB DSL RM SO PIPE TUNN
8	2	1-WMO-725	0	ESW / EAST ESW SUPPLY HEADER TO CD EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB DSL RM SO PIPE TUNN
8	1	1-WMO-727	0	ESW / WEST ESW SUPPLY HEADER TO CD EMERG DIESEL HEAT EXCHANGER SHUTOFF VALVE	AUXILIARY	587.00	AB DSL RM SO PIPE TUNN
8	2	1-WMO-731	0	ESW / EAST CCW HEAT EXCHANGER HE-15E ESW INLET 18 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	1-WMO-733	0	ESW / EAST CCW HEAT EXCHANGER HE-15E ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-WMO-735	0	ESW / WEST CCW HEAT EXCHANGER HE-15W ESW INLET 18 In MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-WMO-737	0	ESW / WEST CCW HEAT EXCHANGER HE-15W ESW OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	1-WMO-744	0	APW / (ESW TO WEST MOTOR DRIV AUX FEEDWATER PUMP) SHUTOFF 4 In MOV	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
8	12	1-WMO-753	0	APW / (ESW TO TURB DRIV AUX FEED PUMP PP-4) SHUTOFF 8 In MOTOR OPERATED VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	1-WMO-754	0	APW / (ESW TO EAST MOTOR DRIV AUX FEED PUMP) SHUTOFF 4 In MOTOR OPERATED VALVE	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU
8	12	1-XSO-505	0	CONTROL AIR / PRESSURIZER TRAIN In B In PRESSURE RELIEF VALVE NRV-152 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSRZR ENCL INTERIOR
8	12	1-XSO-507	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE NRV-153 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSRZR ENCL INTERIOR
9	2	1-HV-AES-1	0	AUX BUILDING VENTILATION / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 1	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	1	1-HV-AES-2	0	AUX BUILDING VENTILATION / AUX BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 2	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	2	1-HV-AFP-BRE-1	0	AUX BUILDING VENTILATION / 'N' BATTERY ROOM EAST EXHAUST FAN	AUXILIARY	633.00	633 HALLWAY
9	1	1-HV-AFP-BRE-2	0	AUX BUILDING VENTILATION / 'N' BATTERY ROOM WEST EXHAUST FAN	AUXILIARY	633.00	633 HALLWAY
9	2	1-HV-AFP-M1	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIV AUX FEEDWATER PUMP ROOM EXHAUST FAN	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU



**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

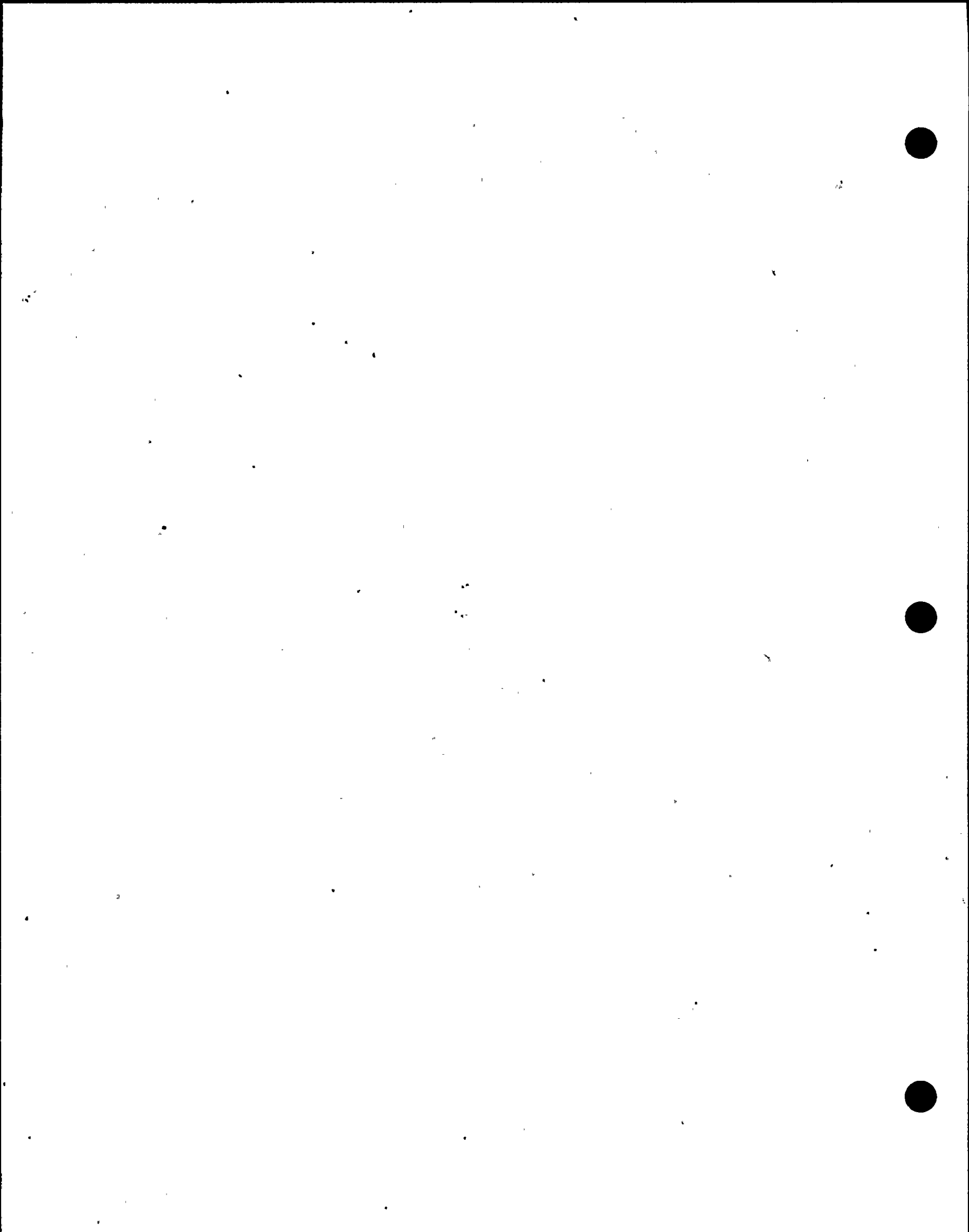
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
9	2	1-HV-AFP-M2	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIV AUX FEED WATER PUMP ROOM SUPPLY FAN	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU
9	2	1-HV-AFP-T1	0	TURBINE BUILDING VENTILATION / TURB DRIV AUX FEED PUMP ROOM SOUTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	1-HV-AFP-T2	0	TURBINE BUILDING VENTILATION / TURBINE DRIV AUX FEED PUMP ROOM NORTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	1-HV-AFP-X1	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIV AUX FEED PUMP ROOM EAST EXHAUST FAN	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
9	1	1-HV-AFP-X2	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIV AUX FEED WATER PUMP ROOM WEST EXHAUST FAN	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
9	1	1-HV-CEQ-1	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN 1	CONTAINMENT	625.00	HV-CEQ-1 FAN RM
9	2	1-HV-CEQ-2	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN 2	CONTAINMENT	625.00	HV-CEQ-1 FAN RM
9	1	1-HV-DGS-1	0	DIESEL ROOM VENTILATION / AB EMERG DIESEL GENERATOR VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	2	1-HV-DGS-2	0	DIESEL ROOM GENERATOR / CD EMERG DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	1-HV-DGS-3	0	DIESEL ROOM VENTILATION / AB EMERG DIESEL GENERATOR ROOM CONTROL PANEL VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	2	1-HV-DGS-4	0	DIESEL ROOM VENTILATION / CD EMERG DIESEL GENERATOR ROOM CONTROL PANEL VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	1-HV-DGX-1	0	DIESEL ROOM VENTILATION / AB EMERG DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	2	1-HV-DGX-2	0	DIESEL ROOM VENTILATION / CD EMERG DIESEL GENERATOR VENTILATION EXHAUST FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	1-HV-SGRS-1A	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION SOUTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWITCHGEAR
9	1	1-HV-SGRS-2	0	AUX BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
9	2	1-HV-SGRS-3	0	AUX BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
9	2	1-HV-SGRS-4A	0	AUX BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR
9	12	1-HV-SGRS-7	0	AUX BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMER TR-11B AND TR-11D AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR
9	12	1-HV-SGRS-8	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS TR11A AND TR11C AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR
9	12	1-HV-SGRS-9	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPL FAN	AUXILIARY	613.00	4KV RM - MEZZANINE
9	1	1-HV-SGRX-2	0	AUX BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
9	2	1-HV-SGRX-3	0	AUX BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
9	1	1-HV-SGRX-5	0	AUX BUILDING VENTILATION / AB BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	609.00	AB BATT EQUIP
9	2	1-HV-SGRX-6	0	AUX BUILDING VENTILATION / CD BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	626.00	SWGR CSR
9	12	12-HV-ACCP-1	0	AUX BUILDING VENTILATION / CCW PUMPS VENTILATION NORTH SUPPLY FAN	AUXILIARY	633.00	633 HALLWAY
9	12	12-HV-ACCP-2	0	AUX BUILDING VENTILATION / CCW PUMPS VENTILATION MIDDLE SUPPLY FAN	AUXILIARY	633.00	633 HALLWAY
9	12	12-HV-ACCP-3	0	AUX BUILDING VENTILATION / CCW PUMPS VENTILATION SOUTH SUPPLY FAN	AUXILIARY	633.00	633 HALLWAY
9	1	12-HV-ESW-5	0	SCREENHOUSE VENTILATION / UNIT 1 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	1	12-HV-ESW-6	0	SCREENHOUSE VENTILATION / UNIT 1 WEST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	2	12-HV-ESW-7	0	SCREENHOUSE VENTILATION / UNIT #1 EAST ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
9	2	12-HV-ESW-8	0	SCREENHOUSE VENTILATION / UNIT 1 ESW PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
10	2	1-HV-ACRA-1	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION NORTH AIR HANDLER PACKAGE	AUXILIARY	650.00	CTRL RM AIR COND RM
10	1	1-HV-ACRA-2	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION SOUTH AIR HANDLER PACKAGE	AUXILIARY	650.00	CTRL RM AIR COND RM
11	2	1-HV-ACR-1	0	CONTROL ROOM A/C CHILL WATER / CONTROL ROOM NORTH LIQUID CHILLER PACKAGE	AUXILIARY	650.00	CTRL RM AIR COND RM
11	1	1-HV-ACR-2	0	CONTROL ROOM A/C CHILL WATER / CONTROL ROOM S/SOUTH LIQUID CHILLER PACKAGE	AUXILIARY	650.00	CTRL RM AIR COND RM
15	1	1-BATT-AB	0	250V DC DISTRIBUTION / PLANT BATT AB	AUXILIARY	609.00	AB BATT EQUIP
15	2	1-BATT-CD	0	250V DC DISTRIBUTION / PLANT BATT CD	AUXILIARY	626.00	CD BATT EQUIP
15	12	1-BATT-N	0	250VDC CONTROL AND INSTRUMENTATION / TRAIN N PLANT BATTERY	AUXILIARY	633.00	633 HALLWAY
16	12	1-BC-A	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER 'A' FOR 'N' TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	1	1-BC-AB1	0	250V DC DISTRIBUTION / PLANT BATT BATT-AB BATTERY CHARGER #1	AUXILIARY	613.00	4KV RM - MEZZANINE
16	1	1-BC-AB2	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-AB CHARGER #2	AUXILIARY	613.00	4KV RM - MEZZANINE
16	12	1-BC-B	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER 'B' FOR 'N' TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	2	1-BC-CD1	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #1	AUXILIARY	626.00	CD BATT EQUIP
16	2	1-BC-CD2	0	250V DC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #2	AUXILIARY	626.00	CD BATT EQUIP
16	2	1-CRID-INV	0	120VAC CTRL RM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-I INVERTER	AUXILIARY	609.00	INVERTER AREA
16	2	1-CRID-II-INV	0	120V DC DISTRIBUTION / 120V AC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-II INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	1-CRID-III-INV	0	120V CTRL RM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-III INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	1-CRID-IV-INV	0	120V CTRL RM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CH-IV INVERTER	AUXILIARY	633.00	CONTROL RM
16	1	1-OGAB-INV	0	DIESEL GENERATOR, CONTROL AND INSTRUMENT / AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	AUXILIARY	587.00	AB EMER DSL GEN RM
16	2	1-OGCD-INV	0	DIESEL GENERATION, CONTROL AND INSTRUMENT / DIESEL GENERATOR INVERTER	AUXILIARY	587.00	CD EMER DSL GEN RM
17	1	1-OME-150-AB	0	DIESEL GENERATOR CONTROL AND INSTRUMENTA / AB EMERG DIESEL GENERATOR	AUXILIARY	587.00	AB EMER DSL GEN RM
17	2	1-OME-150-CD	0	DIESEL GENERATION CONTROL AND INSTRUMENT / CD EMERG DIESEL GENERATOR	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	1-CLJ-113	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL
18	1	1-CLJ-114	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL
18	1	1-FFI-210	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-1 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL
18	2	1-FFI-220	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-2 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MAIN STM STOP ENCL
18	2	1-FFI-230	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-3 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MAIN STM STOP ENCL
18	1	1-FFI-240	0	AUX FEEDWATER / AUX FEEDWATER TO STEAM GENERATOR OME-3-4 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL
18	2	1-WDS-701	0	ESW / EAST ESW PUMP PP-7E DISCHARGE STRAINER OME-34E HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
18	1	1-WDS-702	0	ESW / WEST ESW PUMP PP-7W DISCHARGE STRAINER OME-34W HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
18	2	1-WPS-701	0	ESW / EAST ESW SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL
18	1	1-WPS-705	0	ESW / WEST ESW SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNNEL
19	12	1-VTS-201	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN HV-AFP-M1 THERMAL SENSOR	TURBINE	591.00	E MOTOR DRIVEN AUX FDWTR PU
19	2	1-VTS-203	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN HV-AFP-T1 THERMAL SENSOR	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP

**DONALD C. COOK NUCLEAR PLANT UNIT # 1
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
19	1	1-VTS-204	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN HV-AFP-T2 THERMAL SENSOR	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
19	12	1-VTS-208	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM WEST EXHAUST FAN HV-AFP-X2 THERMAL SENSOR	TURBINE	591.00	W MOTOR DRIVEN AUX FDWTR PU
19	1	1-VTS-340	0	DIESEL BUILDING VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	RCTR CABLE TUNNEL, QUAD3
19	1	1-VTS-341	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-1 AND HV-DGS-1 THERMOSTAT	AUXILIARY	587.00	AB EMER DSL GEN RM
19	2	1-VTS-345	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS OUTSIDE AIR THERMOSTAT	FOUNDATIONS	609.00	INNER PLANT GROUNDS
19	2	1-VTS-348	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-2 AND HV-DGS-2 THERMOSTAT	AUXILIARY	587.00	CD EMER DSL GEN RM
19	12	1-VTS-350	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT SOUTH SUPPLY FAN HV-SGRA-1A TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	1-VTS-351	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INV AREA VENT SOUTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	2	1-VTS-352	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWGR XFMR TR11B AND TR11D AREA VENT SUPPLY FAN HV-SGRS-7 TEMP SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR
19	12	1-VTS-353	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENT SUPPLY FAN SGRS-9 TEMPERATURE SWITCH	AUXILIARY	613.00	4KV RM - MEZZANINE
19	12	1-VTS-354	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA OUTSIDE AIR INLET DAMPER HV-SGR-MD-1 AND 2 TEMP SWITCH TO OVERRIDE PNEUMATIC CONTROLLER	AUXILIARY	609.00	INVERTER AREA
19	12	1-VTS-355	0	AUXILIARY BUILDING VENTILATION / CRD AND CRDM INV AREA VENT AIR INLET DAMPER HV-SGR-MD-1 AND 2 TEMP SWITCH TO OVERRIDE PNEUMATIC CONTROLLER	AUXILIARY	609.00	INVERTER AREA
19	12	1-VTS-356	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-4A TEMP SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	1-VTS-357	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-4A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	1	1-VTS-802	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-2 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR
19	2	1-VTS-803	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-3 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR
19	12	1-VTS-805	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWGR XFMR TR11B AND TR11D AREA VENT EXHAUST FAN HV-SGRS-7 TEMP SWITCH THERMAL SENSOR	AUXILIARY	613.00	4KV RM - MEZZANINE
19	1	1-VTS-808	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600VAC SWGR XFMR TR11A AND TR11C AREA VENT SUPPLY FAN HV-SGRS-8 TEMP SWITCH THERMAL SENSOR	AUXILIARY	609.00	4KV RM - 600V SWGR
19	1	12-VTS-706	0	SCREEN HOUSE VENTILATION / UNIT 1 WEST ESSENTIAL SERVICE WATER PUMP ROOM TEMPERATURE SWITCH THERMAL SENSOR	SCREEN HOUSE	591.00	W ESSENTIAL SERV WTR PMP RM
19	2	12-VTS-708	0	SCREEN HOUSE VENTILATION / UNIT 1 EAST ESSENTIAL SERVICE WATER PUMP ROOM TEMPERATURE SWITCH THERMAL SENSOR	SCREEN HOUSE	591.00	E ESSENTIAL SERV WTR PMP RM



APPENDIX C

DONALD C. COOK NUCLEAR PLANT - UNIT 2

**SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Donald C. Cook Nuclear Plant - Unit 2

SSEL Certification:

The information identifying the equipment required to bring the plant to a safe shutdown condition on this safe shutdown equipment list is, to be the best of our knowledge and belief, correct and accurate.

<u>Name</u>	<u>Signature</u>	<u>Date</u>
B. A. Svensson Operations	<u>B. A. Svensson</u>	<u>1/21/96</u>
G. P. Arent Operations	<u>G. P. Arent</u>	<u>12-15-95</u>
J. V. Ruparel Systems	<u>J. V. Ruparel</u>	<u>Dec 15, 95.</u>
H. W. Young Systems	<u>Howard W. Young III</u>	<u>12/15/95</u>
R. C. Steele Electrical	<u>R. C. Steele</u>	<u>12-15-95</u>
T. R. Satyan Sharma Project Manager	<u>T. R. Satyan Sharma</u>	<u>12/15/95</u>

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

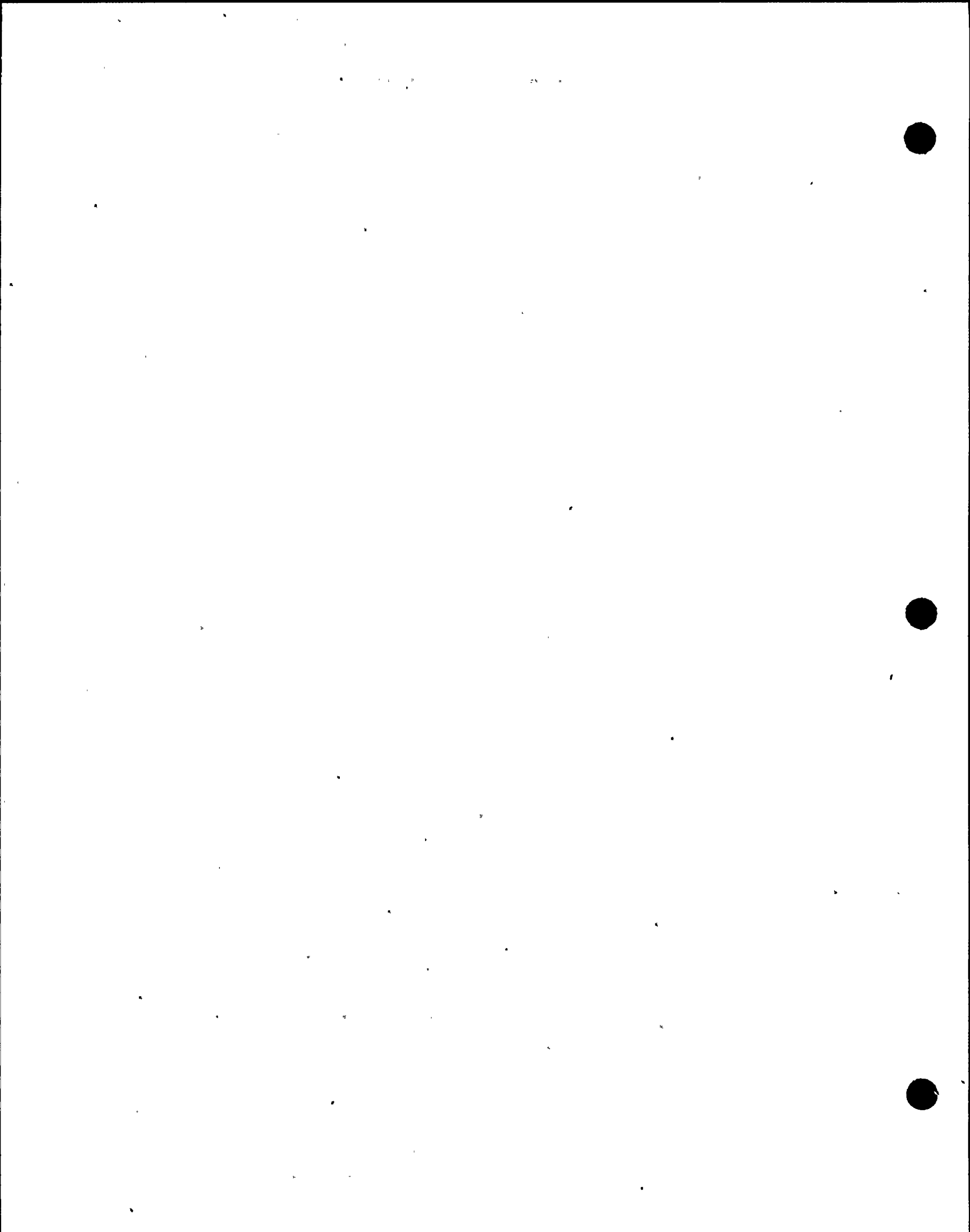
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
0	12	2-HV-ACFD-1	0	CONTROL ROOM VENTILATION / PLANT PROCESS COMPUTER ROOM VENTILATION EXHAUST NORTH FIRE DAMPER	U-2 AUXILIARY	650.00	PLANT PROCESS COMPUTER RM
0	12	2-HV-ACFD-2	0	CONTROL ROOM VENTILATION / PLANT PROCESS COMPUTER ROOM VENTILATION EXHAUST SOUTH FIRE DAMPER	U-2 AUXILIARY	650.00	PLANT PROCESS COMPUTER RM
0	12	2-HV-ACFD-3	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENT UNITS HV-ACRA-1 & HV-ACRA-2 TO PLANT PROCESS COMPUTER ROOM FIRE DAMPER	U-2 AUXILIARY	650.00	PLANT PROCESS COMPUTER RM
0	2	2-HV-DGS-FD-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FIRE DAMPER	U-2 AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	2-HV-DGS-FD-2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FIRE DAMPER	U-2 AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-HV-DGX-FD-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FIRE DAMPER	U-2 AUXILIARY	587.00	CD EMER DSL GEN RM
0	1	2-HV-DGX-FD-2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FIRE DAMPER	U-2 AUXILIARY	587.00	AB EMER DSL GEN RM
0	2	2-OME-34E	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
0	1	2-OME-34W	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
0	1	2-QT-100-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND
0	2	2-QT-100-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL AIR INTAKE FILTER	GROUND	609.00	INNER PLANT GROUND
0	1	2-QT-118-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
0	2	2-QT-118-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
1	1	2-AB-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AB-A	AUXILIARY	587.00	587 HALLWAY
1	2	2-AB-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AB-D	AUXILIARY	587.00	587 HALLWAY
1	12	2-AB-N	0	250VDC CONTROL AND INSTRUMENTATION / CONTROL CENTER VALVE	AUXILIARY	587.00	587 HALLWAY
1	1	2-ABD-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-A	AUXILIARY	587.00	AB EMER DSL GEN RM
1	1	2-ABD-B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-B	AUXILIARY	587.00	AB EMER DSL GEN RM
1	2	2-ABD-C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-C	AUXILIARY	587.00	CD EMER DSL GEN RM
1	2	2-ABD-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER ABD-D	AUXILIARY	587.00	CD EMER DSL GEN RM
1	2	2-ABV-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER ABV-A	AUXILIARY	587.00	587 HALLWAY
1	2	2-ABV-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER ABV-D	AUXILIARY	587.00	587 HALLWAY
1	1	2-AM-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-A	AUXILIARY	633.00	633 HALLWAY
1	2	2-AM-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-D	AUXILIARY	633.00	633 HALLWAY
1	1	2-AZV-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC VALVE CONTROL CENTER AZV-A	AUXILIARY	609.00	609 HALLWAY
1	1	2-EZC-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-A	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	1	2-EZC-B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-B	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	2	2-EZC-C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-C	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	2	2-EZC-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER EZC-D	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
1	1	2-PS-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER PS-A	SCREENHOUSE	594.00	TRAVEL SCR N MCC UPPER RM
1	2	2-PS-D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER PS-D	SCREENHOUSE	594.00	TRAVEL SCR N MCC UPPER RM
2	1	2-21A1	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL SOUTH MOTOR-GENERATOR SET CRDMG-2S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A10	0	ELECTRICAL DISTRIBUTION, 600VAC / WEST TURBINE AUXILIARY COOLING WATER PUMP PP-14W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21A4	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH PLANT LIGHTING TRANSFORMER TR-LTG-9S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21AC	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21A TO 600V BUS 21C TIE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B10	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT AIR COMPRESSOR OME-41 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
2	1	2-21B11	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC BUS 21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B12	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH NON-ESSENTIAL SERVICE WATER PUMP PP-8S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B13	0	ELECTRICAL DISTRIBUTION, 600VAC / TURBINE ROOM INDUCTION HEATING, STRESS RELIEF AND BOLT HEATERS SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B5	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V MOTOR CONTROL CENTERS TBG-BW AND TBP-BN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	1	2-21B6	0	ELECTRICAL DISTRIBUTION, 600VAC / EAST TURBINE AUXILIARY COOLING WATER PUMP PP-14E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21B0	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B TO 600V BUS 21D THE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C1	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C12	0	ELECTRICAL DISTRIBUTION, 600VAC / SOUTH SPENT FUEL PIT PUMP 12-PP-31S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C13	0	ELECTRICAL DISTRIBUTION, 600VAC / RECIPROCATING CHARGING PUMP PP-49 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C14	0	ELECTRICAL DISTRIBUTION, 600VAC / FIRE PROTECTION WATER HIGH DEMAND PUMP PP-11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C16	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER TBC-CN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C17	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH NON-ESSENTIAL SERVICE WATER PUMP PP-8N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C18	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN TURBINE AUXILIARY LUBE OIL PUMP QT-201 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C2	0	CONTAINMENT POLAR CR / ELECTRICAL DISTRIBUT	AUXILIARY	609.00	AIR COOLED CIRCUIT BREAKER (METAL FRAME)
2	2	2-21C4	0	ELECTRICAL DISTRIBUTION 600VAC / CIRCULATING WATER TRAVELING SCREEN SOUTH WASH PUMP PP-15S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C8	0	ELECTRICAL DISTRIBUTION, 600VAC / PLANT AND CNTMT STANDBY LIGHTING TRANSFORMER TR-LTG-8 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21C9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES 'NORMAL DISTRIBUTION CABINET TCSN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D1	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D10	0	ELECTRICAL DISTRIBUTION, 600VAC / NORTH PLANT LIGHTING TRANSFORMER 'TR-LTG-9N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D13	0	ELECTRICAL DISTRIBUTION, 600VAC / REACTOR ROD CONTROL NORTH MOTOR-GENERATOR SET CROMG-2N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2		2-21D3	0	ELECTRICAL DISTRIBUTION, 600VAC / CONTAINMENT LIGHTING TRANSFORMER TR-LTG-10 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-21D9	0	ELECTRICAL DISTRIBUTION, 600VAC / MAIN AND SPARE TRANSFORMER AUXILIARIES EMERGENCY DISTRIBUTION CABINET TCSE SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
2	2	2-52-BYA	0	REACTOR TRIP BREAKER (ROD CONTROL & INST.) / REACTOR ROD CONTROL TR-A REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	2-52-BYB	0	REACTOR TRIP BREAKER (ROD CONTROL & INST.) / REACTOR ROD CONTROL, TRAIN B REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	2	2-52-RTA	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
2	1	2-52-RTB	0	ROD CONTROL AND INSTRUMENTATION / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM
3	1	2-T21A1	0	ELECTRICAL DISTRIBUTION, 4160VAC / SOUTH SAFETY INJECTION PUMP PP-26S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A10	0	ELECTRICAL DISTRIBUTION, 4160VAC / 600V BUS 21A SUPPLY TRANSFORMER TR21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A11	0	ELECTRICAL DISTRIBUTION, 4160VAC / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A12	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER FROM 69KV TO BUS T21A	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
3	1	2-T21A3	0	ELECTRICAL DISTRIBUTION, 4160 VAC / WEST CONTAINMENT SPRAY PUMP PP-9W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A6	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T21A TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHA SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21A9	0	ELECTRICAL DISTRIBUTION 4160VAC / 4KV BUS 2A TO BUS T21A TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2B TO 4KV BUS T21B TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B2	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER FROM 60KV BUS TO BUS T21B	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	1	2-T21B4	0	ELECTRICAL DISTRIBUTION, 4160VAC / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
3	2	2-T21C1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2C TO 4KV BUS T21C TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21C2	0	ELECTRICAL DISTRIBUTION, 4160VAC / CIRCUIT BREAKER - 4KV FROM 60KV TO BUS T21C	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
3	2	2-T21C3	0	ELECTRICAL DISTRIBUTION, 4160VAC / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D1	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV EMERGENCY POWER BUS EP TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D12	0	ELECTRICAL DISTRIBUTION, 4160VAC / 4KV BUS 2D TO 4KV BUS T21D TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D2	0	ELECTRICAL DISTRIBUTION, 4160VAC / 600V BUS 21D SUPPLY TRANSFORMER TR21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D4	0	ELECTRICAL DISTRIBUTION, 4160 VAC / EAST CONTAINMENT SPRAY PUMP PP-9E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D5	0	ELECTRICAL DISTRIBUTION PANEL, 4160 VAC / NORTH SAFETY INJECTION PUMP PP-26N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D8	0	ELECTRICAL DISTRIBUTION, 4160VAC / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
3	2	2-T21D9	0	ELECTRICAL DISTRIBUTION, 4160 VAC / 4KV BUS T21D TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHC SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
4	2	2-CRID-I-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTRIBUTION / 10KVA TRANSFORMER - CONSTANT VOLTAGE	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	2	2-CRID-II-CVT	0	120VAC DISTRIBUTION / 120V AC CR INST DISTR CH-II ISOL CONT VOLT TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-CRID-III-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 10KVA ISOLMETER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-CRID-IV-CVT	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 10KVA ISOLMETER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-DGAB-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM
4	2	2-DGCD-FFCKT	0	DIESEL GENERATION, CONTROL AND INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR OME-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM
4	1	2-TR21A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21A SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	1	2-TR21B	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21B SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
4	2	2-TR21C	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21C SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
4	2	2-TR21D	0	ELECTRICAL DISTRIBUTION, 600VAC / 600V BUS 21D SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
5	12	12-PP-31S	0	SPENT FUEL PIT COOLING/CLEANUP / SOUTH SPENT FUEL PIT PUMP	UW2 AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM
5	2	2-PP-10E	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY
5	1	2-PP-10W	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY
5	2	2-PP-26N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP	AUXILIARY	587.00	N SAFETY INJ PMP RM
5	1	2-PP-26S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP	AUXILIARY	587.00	S SAFETY INJ PMP RM
5	2	2-PP-3E	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
5	1	2-PP-3W	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	W MTR DRIVEN AUX FEEDWTR PMP
5	12	2-PP-4	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP	TURBINE	591.00	TB DRIVEN AUX FEEDWTR PMP



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
5	2	2-PP-46-3	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #3	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
5	1	2-PP-46-4	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #4	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
5	12	2-PP-49	0	CHARGING (CVCS) / RECIPROCATING CHARGING PUMP	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
5	2	2-PP-50E	0	CHARGING (CVCS) / EAST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
5	1	2-PP-50W	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
5	2	2-PP-82N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDOT RM
5	1	2-PP-82S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDOT RM
5	1	2-QT-106-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP
5	1	2-QT-106-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP
5	2	2-QT-106-CD1	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP
5	2	2-QT-106-CD2	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP
5	1	2-QT-111-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-111-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-117-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL HEATER QT-116-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-117-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL HEATER QT-116-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-119-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT
5	2	2-QT-119-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT
5	1	2-QT-130-AB1	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #1	AUXILIARY	587.00	AB EMER DSL GEN RM
5	1	2-QT-130-AB2	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #2	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	2-QT-130-CD1	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	CD EMER DSL GEN RM
5	2	2-QT-130-CD2	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	CD EMER DSL GEN RM
5	1	2-QT-135-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	AB EMER DSL GEN RM
5	2	2-QT-135-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	CD EMER DSL GEN RM
6	2	2-PP-35E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	EAST RHR PUMP RM
6	1	2-PP-35W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	W RHR PMP RM
6	2	2-PP-7E	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
6	1	2-PP-7W	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
6	2	2-PP-9E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	E CONT SPRAY PMP RM
6	1	2-PP-9W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	W CONT SPRAY PMP RM
7	2	2-DCR-301	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 BLOWDOWN SAMPLE DSR-301 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-DCR-302	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 BLOWDOWN SAMPLE DSR-302 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-DCR-303	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 BLOWDOWN SAMPLE DSR-303 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-DCR-304	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 BLOWDOWN SAMPLE DSR-304 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-DCR-310	0	BLOWDOWN / STEAM GENERATOR OME-3-1 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	2-DCR-320	0	BLOWDOWN / STEAM GENERATOR OME-3-2 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	1	2-DCR-330	0	BLOWDOWN / STEAM GENERATOR OME-3-3 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	2	2-DCR-340	0	BLOWDOWN / STEAM GENERATOR OME-3-4 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
7	12	2-DRV-407	0	STEAM LINE DRAINS / MAIN STEAM LEADS CONDENSATION DRAIN TANK TK-150 OUTLET SHUTOFF VALVE	AUXILIARY	600.00	MN STM LINES VERT PIPE CHASE

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	2-FRV-247	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W EMERGENCY 1 in AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
7	2	2-FRV-257	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E EMERGENCY 1 in AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
7	12	2-FRV-258	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP EMERGENCY 1 in AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
7	12	2-GCR-314	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASH TANK RM
7	12	2-GRV-341	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS VENT VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-HV-SGR-MD-1	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
7	12	2-HV-SGR-MD-2	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION OUTSIDE AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
7	2	2-IRV-112	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-1 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA
7	1	2-IRV-122	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-2 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #2 AREA
7	12	2-IRV-132	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-3 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA
7	12	2-IRV-142	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-4 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA
7	1	2-IRV-149	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 AND #3 0.75 in AIR OPERATED TEST (GLOBE) VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-150	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #1 AND #4 0.75 in AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-156	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-1 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #1 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
7	1	2-IRV-157	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 0.75 IN AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	2	2-IRV-158	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT PUMPS #1 AND #4 0.75 IN AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM
7	1	2-IRV-166	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-2 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #2 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	2	2-IRV-176	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-3 0.75 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #3 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	1	2-IRV-186	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-4 1 IN AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #4 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
7	12	2-IRV-200	0	SAFETY INJECTION / SAFETY INJECTION TEST LINE SHUTOFF VALVE	AUXILIARY	597.00	S SAFETY INJ PMP RM
7	2	2-IRV-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E 8 IN AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
7	12	2-IRV-311	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL HEAT EXCHANGERS BYPASS FLOW 8 IN AIR OPERATED CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
7	1	2-IRV-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W 8 IN AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
7	12	2-IRV-50	0	BORON INJECTION / BORON INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-IRV-60	0	SAFETY INJECTION / SAFETY INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	2	2-MCR-251	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	1	2-MCR-252	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	1	2-MCR-253	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-MCR-254	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
7	2	2-MRV-151	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
7	1	2-MRV-152	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	1	2-MRV-153	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
7	2	2-MRV-154	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
7	2	2-MRV-211	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-212	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	1	2-MRV-221	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-222	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-231	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	1	2-MRV-232	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
7	2	2-MRV-241	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-MRV-242	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
7	2	2-NRV-101	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #1 HOT LEG SAMPLE NSX-101 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
7	12	2-NRV-102	0	NUCLEAR SAMPLING / PRESSURIZER LIQUID SPACE SAMPLE NSX-102 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	2-NRV-103	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #3 HOT LEG SAMPLE NSX-103 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
7	12	2-NRV-104	0	NUCLEAR SAMPLING / PRESSURIZER STEAM SPACE SAMPLE NSX-104 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM
7	1	2-NRV-151	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	1	2-NRV-152	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	2	2-NRV-153	0	PRESSURIZER / PRESSURIZER OME-4 TRAIN 'A' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
7	12	2-QRV-10	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP #1 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 IN AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1
7	2	2-QRV-111	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	2	2-QRV-112	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	1	2-QRV-113	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	2	2-QRV-114	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	12	2-QRV-150	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMPS STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTER QC-109 0.75 IN AIR OPERATED SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
7	12	2-QRV-170	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED OUTLET PRESSURE CONTROL VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM

DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW

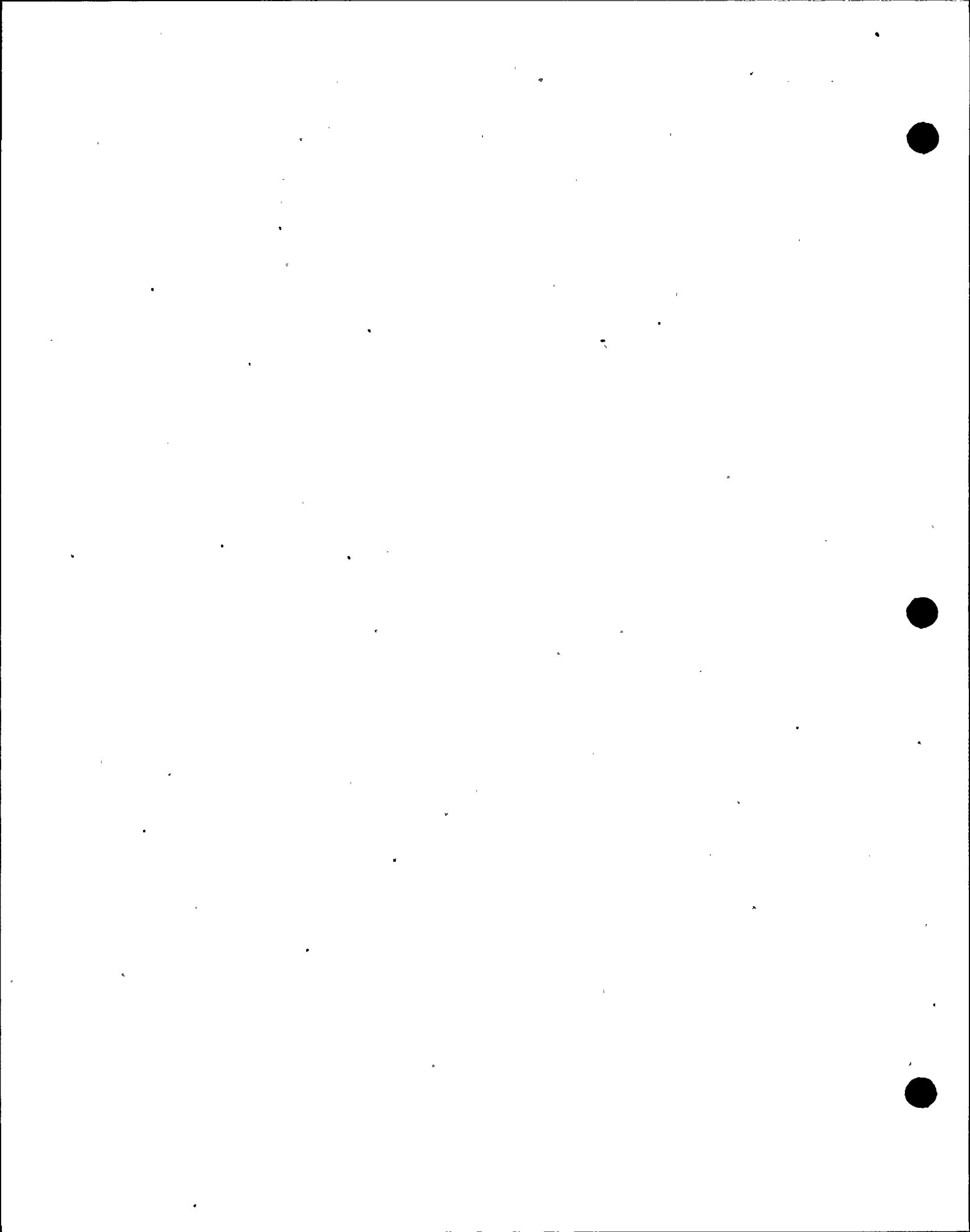
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	12	2-QRV-171	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 IN AIR OPERATED OUTLET DIVERSION VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM
7	12	2-QRV-20	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #2 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER OC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	625.00	LOWER CONT, QUAD NO. 2
7	12	2-QRV-231	0	CHARGING (CVCS) / CVCS CENTRIFUGAL CHARGING PUMPS DISCHARGE FLOW 3 IN AIR OPERATED CONTROL GLOBE VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
7	12	2-QRV-30	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #3 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER OC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3
7	12	2-QRV-40	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #4 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER OC-109 2 IN AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4
7	12	2-QRV-400	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER QP-21 2 IN AIR OPERATED TO CVCS CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
7	12	2-QRV-421	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID FILTER TO CVCS CHARGING PUMPS AND SOUTH BORIC ACID BLENDER 1 IN AIR OPERATED FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
7	12	2-QRV-430	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID STORAGE TANK TK-12S 2 IN AIR OPERATED INLET FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
7	12	2-QRV-451	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER QP-21 TO REACTOR COOLANT LETDOWN VOLUME CONTROL TANK SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
7	2	2-VRV-315	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM VENTILATION UNIT HV-ACRA-1 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	1	2-VRV-325	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM VENTILATION UNIT HV-ACRA-2 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
7	1	2-WRV-728-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47-ABS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-WRV-763	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-764	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-768	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-769	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-773	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-774	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	2	2-WRV-778	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
7	1	2-WRV-779	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
7	1	2-XRV-220	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	1	2-XRV-222	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM
7	2	2-XRV-225	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
7	2	2-XRV-226	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
7	2	2-XRV-227	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-CCM-451	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-452	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CCM-453	0	COMPONENT COOLING WATER / RCP THERMAL BARRIER COMPONENT COOLING WATER OUTLET TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-454	0	COMPONENT COOLING WATER / RC PUMPS THERMAL BARRIER CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CCM-458	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	1	2-CCM-459	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-CMO-410	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-411	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-412	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-413	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-414	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-415	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO MISCELLANEOUS SERVICE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-416	0	COMPONENT COOLING WATER / CCW TO MISCELLANEOUS SERVICE HEADER 'B' 16 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	2	2-CMO-419	0	COMPONENT COOLING WATER / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-420	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-CMO-429	0	COMPONENT COOLING WATER / WEST RHR HEAT EXCHANGER HE-17W CCW OUTLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	2-FMO-211	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-FMO-212	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-1 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	2	2-FMO-221	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-FMO-222	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP- 3E SUPPLY TO STEAM GENERATOR OME-3- 2 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-FMO-231	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-3 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM
8	2	2-FMO-232	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP- 3E SUPPLY TO STEAM GENERATOR OME-3- 3 4 in MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	1	2-FMO-241	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-4 4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-FMO-242	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-4 4 In MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL
8	1	2-HV-DDP-AB1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	2-HV-DDP-AB2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	2-HV-DDP-CD1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-HV-DDP-CD2	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	2-HV-DGS-DAB	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	598.00	INNER PLANT GROUNDS
8	2	2-HV-DGS-DCD	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 2
8	1	2-HV-SGR-MD-3	0	AUXILIARY BUILDING VENTILATION / 4KV RM 600 VOLT SWITCHGEAR XFORMERS TR21A & TR21C AREA VENT SUPPLY FAN HV- SGRS-8 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
8	2	2-HV-SGR-MD-4	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS AREA VENTILATION SUPPLY FAN HV-SGRS- 7 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
8	1	2-HV-SGR-MD-5	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN HV-SGRS- 9 VENT DAMPER	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
8	12	2-4CM-111	0	RESIDUAL HEAT REMOVAL / RHR TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	2	2-4CM-129	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION & CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	2	2-4CM-250	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	1	2-4CM-251	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM
8	2	2-4CM-260	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-4CM-265	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-4CM-305	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO EAST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
8	1	2-4CM-306	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO WEST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-4CM-311	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO RC LOOPS #1 AND #4 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	1	2-4CM-321	0	RESIDUAL HEAT REMOVAL / WEST RHR TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-4MO-128	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2
8	2	2-4MO-210	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 10 In MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	2-4MO-211	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 10 In MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM



**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

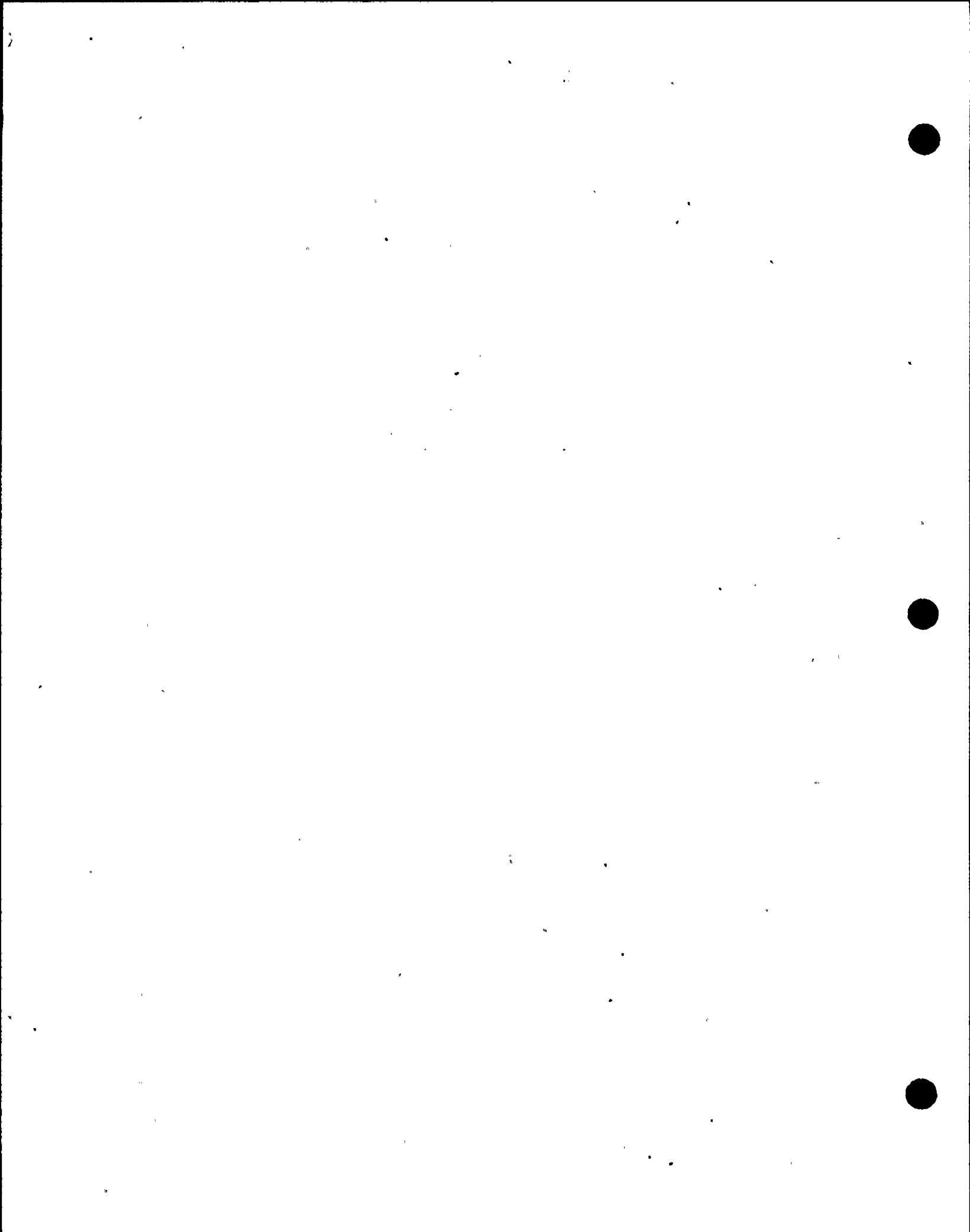
Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	2-IMO-212	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 2 in MOTOR OPERATED DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	2	2-IMO-215	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO EAST CONTAINMENT SPRAY PUMP PP-9E SUCTION 12 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM
8	1	2-IMO-220	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W 10 in MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-221	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 in MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-222	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR 2 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	1	2-IMO-225	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO WEST CONTAINMENT SPRAY PUMP PP-9W SUCTION 12 in MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM
8	2	2-IMO-255	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	1	2-IMO-256	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM
8	12	2-IMO-261	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TK-33 SUPPLY TO SAFETY INJECTION PUMPS SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-IMO-262	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-263	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	2	2-IMO-270	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-275	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM
8	2	2-IMO-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E SUCTION SHUTOFF VALVE	AUXILIARY	573.00	EAST RHR PUMP RM
8	2	2-IMO-312	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	2	2-IMO-314	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	2	2-IMO-315	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
8	2	2-IMO-316	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM
8	1	2-IMO-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUCTION SHUTOFF VALVE	AUXILIARY	573.00	W RHR PMP RM
8	1	2-IMO-322	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-IMO-324	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	1	2-IMO-325	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	1	2-IMO-326	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM
8	2	2-IMO-330	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	1	2-IMO-331	0	RESIDUAL HEAT REMOVAL / WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	12	2-IMO-340	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER TO CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM
8	12	2-IMO-350	0	RESIDUAL HEAT REMOVAL / WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION PUMP SUCTION SHUTOFF VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM
8	12	2-IMO-360	0	SAFETY INJECTION / SAFETY INJECTION PUMPS TO CVCS CHARGING PUMPS SUCTION HEADER CROSSTIE SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
8	2	2-IMO-361	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	1	2-IMO-362	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM
8	12	2-IMO-390	0	RESIDUAL HEAT REMOVAL / REFUELING WATER STORAGE TANK TK-33 TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-IMO-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1
8	1	2-IMO-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #2 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	1	2-IMO-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #3 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3
8	2	2-IMO-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #4 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4
8	2	2-IMO-910	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CVCS CHARGING PUMPS SUCTION HEADER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	1	2-IMO-911	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CVCS CHARGING PUMPS SUCTION HEADER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM
8	1	2-LSO-240	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	AB EMER DSL GEN RM
8	1	2-LSO-241	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	AB EMER DSL GEN RM
8	2	2-LSO-245	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	CD EMER DSL GEN RM
8	2	2-LSO-246	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	CD EMER DSL GEN RM
8	1	2-MCM-221	0	MAIN STEAM / MAIN STEAM LEAD #2 TO AUXILIARY FEED PUMP TURBINE 4 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	1	2-MCM-231	0	MAIN STEAM / MAIN STEAM LEAD #3 TO AUXILIARY FEED PUMP TURBINE 4 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	2	2-MMO-210	0	MAIN STEAM / STEAM STOP VALVE MRV-210 STEAM CYLINDER DUMP 4 IN MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	2-MMO-220	0	MAIN STEAM / STEAM STOP VALVE MRV-220 STEAM CYLINDER DUMP 4 IN MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	1	2-MMO-230	0	MAIN STEAM / STEAM STOP VALVE MRV-230 STEAM CYLINDER DUMP VALVES 4 IN MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	W MN STM STOP ENCL
8	2	2-MMO-240	0	MAIN STEAM / STEAM STOP VALVE MRV-240 STEAM CYLINDER DUMP VALVE 4 IN MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL
8	1	2-NMO-151	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-151 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	1	2-NMO-152	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-152 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-NMO-153	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-153 UPSTREAM 3 IN MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-NSO-61	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	2	2-NSO-62	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR
8	1	2-NSO-63	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR

DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	1	2-NSO-64	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL. INTERIOR
8	2	2-OCM-250	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'A' CONTAINMENT ISOLATION 4 IN MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2
8	1	2-OCM-350	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'B' CONTAINMENT ISOLATION 4 IN MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE
8	2	2-QMO-200	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	1	2-QMO-201	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM
8	2	2-QMO-225	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	WEST CENTRIFUGAL CHARG PMP ROOM
8	1	2-QMO-228	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 IN MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM
8	12	2-QMO-420	0	BORON MAKEUP (CVCS) / EMERGENCY BORATION TO CVCS CHARGING PUMPS SUCTION HEADER SHUTOFF VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA
8	2	2-QMO-451	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'A' SHUTOFF 4 IN MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
8	1	2-QMO-452	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'B' SHUTOFF 4 IN MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY
8	12	2-QT-500	0	MAIN STEAM / TURBINE DRIVEN AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	2-WMO-703	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
8	1	2-WMO-704	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
8	1	2-WMO-708	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	589.00	ESSNTL SERV WTR PIPE TUNN
8	2	2-WMO-708	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	589.00	ESSNTL SERV WTR PIPE TUNN
8	2	2-WMO-712	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	2	2-WMO-714	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-716	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY
8	1	2-WMO-718	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-722-AB	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	2	2-WMO-724-AB	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	2	2-WMO-726-CD	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	1	2-WMO-728-CD	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL
8	2	2-WMO-732	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY



**DONALD C. COOK NUCLEAR PLANT UNIT #2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
8	2	2-WMO-734	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-736	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-738	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY
8	1	2-WMO-744	0	AUXILIARY FEED WATER SYSTEM / ESW TO WEST MOTOR DRIV AUX FEED PUMP PP-3W SHUTOFF 4 IN MOTOR OPERATED VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
8	12	2-WMO-753	0	AUXILIARY FEED WATER / ESW TO TURB DRIVEN AUX FEED PUMP PP-4 SHUTOFF 6 IN MOTOR OPERATED VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
8	2	2-WMO-754	0	ESSENTIAL SERVICE WATER / ESSENTIAL SERVICE WATER TO EAST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3E 4 IN MOTOR OPERATED SHUTOFF VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
8	12	2-XSO-505	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE NRV-152 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL INTERIOR
8	2	2-XSO-507	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE NRV-153 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL INTERIOR
9	2	12-HV-ESW-1	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
9	2	12-HV-ESW-2	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
9	1	12-HV-ESW-3	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	1	12-HV-ESW-4	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
9	2	2-HV-AES-1	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 1	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	1	2-HV-AES-2	0	AUXILIARY BUILDING VENTILATION / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	2	2-HV-AFP-BRE-1	0	AUXILIARY BUILDING VENTILATION / TRAIN 'N' BATTERY ROOM EAST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	1	2-HV-AFP-BRE-2	0	AUXILIARY BUILDING VENTILATION / TRAIN 'N' BATTERY ROOM WEST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM
9	2	2-HV-AFP-M1	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
9	2	2-HV-AFP-M2	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM SUPPLY FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
9	2	2-HV-AFP-T1	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-T2	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-X1	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM EAST EXHAUST FAN	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
9	1	2-HV-AFP-X2	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM WEST EXHAUST FAN	TURBINE	591.00	TB 591 ELEV BASMNT
9	1	2-HV-CEQ-1	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	CONTAINMENT	625.00	HV-CEQ-1 FAN RM
9	2	2-HV-CEQ-2	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2	CONTAINMENT	625.00	HV-CEQ-2 FAN RM
9	2	2-HV-DGS-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	1	2-HV-DGS-2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	1	2-HV-DGS-3	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	2	2-HV-DGS-4	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM
9	2	2-HV-DGX-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	CD EMER DSL GEN RM

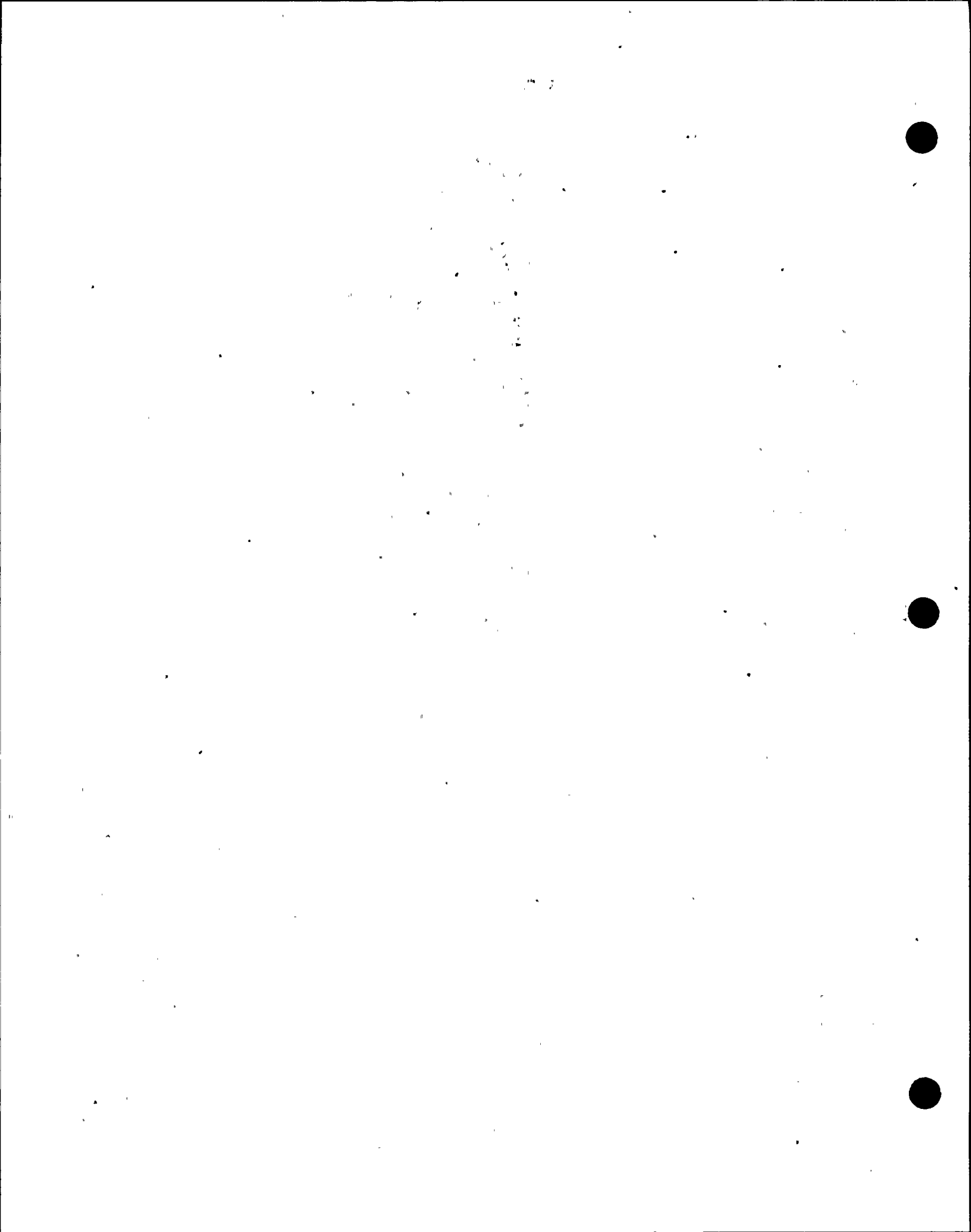


**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
9	1	2-HV-DGX-2	0	DESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	AB EMER DSL GEN RM
9	1	2-HV-SGRS-1A	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-2	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
9	2	2-HV-SGRS-3	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
9	2	2-HV-SGRS-4A	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION SOUTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	2	2-HV-SGRS-7	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21B AND TR21D AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-8	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21A AND TR21C AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
9	1	2-HV-SGRS-9	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
9	1	2-HV-SGRX-2	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
9	2	2-HV-SGRX-3	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
9	1	2-HV-SGRX-5	0	AUXILIARY BUILDING VENTILATION / AB BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	609.00	AB BATTERY EQUIP AREA
9	2	2-HV-SGRX-6	0	AUXILIARY BUILDING VENTILATION / CD BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	628.00	CD BATTERY EQUIP AREA
10	2	2-HV-ACRA-1	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION NORTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
10	1	2-HV-ACRA-2	0	CONTROL ROOM VENTILATION / CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	2	2-HV-ACR-1	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
11	1	2-HV-ACR-2	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM
15	1	2-BATT-AB	0	250VDC DISTRIBUTION / PLANT BATTERY AB	AUXILIARY	609.00	AB BATTERY EQUIP AREA
15	2	2-BATT-CD	0	250VDC DISTRIBUTION / PLANT BATTERY CD	AUXILIARY	628.00	CD BATTERY EQUIP AREA
15	12	2-BATT-N	0	250VDC CONTROL AND INSTRUMENTATION / TRAIN 'N' PLANT BATTERY	AUXILIARY	633.00	NORMAL BLOWDOWN FLASH TANK ROOM
16	12	2-BC-A	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER A FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	1	2-BC-AB1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB BATTERY CHARGER #1	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
16	1	2-BC-AB2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB BATTERY CHARGER #2	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
16	12	2-BC-B	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER B FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY
16	2	2-BC-CD1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #1	AUXILIARY	628.00	CD BATTERY EQUIP AREA
16	2	2-BC-CD2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD CHARGER #2	AUXILIARY	628.00	CD BATTERY EQUIP AREA
16	2	2-CRID-I-INV	0	120VAC CONTROL ROOM INSTRUMENTATION DISTRIBUTION SYSTEM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL I INVERTER	AUXILIARY	609.00	INVERTER AREA
16	2	2-CRID-II-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL II INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	2-CRID-III-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL III INVERTER	AUXILIARY	609.00	INVERTER AREA
16	1	2-CRID-IV-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL IV INVERTER	AUXILIARY	609.00	CONTROL ROOM

**DONALD C. COOK NUCLEAR PLANT UNIT # 2
SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
FOR RELAY REVIEW**

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
16	1	2-OGAB-INV	0	DIESEL GENERATOR, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	AUXILIARY	587.00	AB EMER DSL GEN RM
16	2	2-DGCD-INV	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR OME-150-CD INVERTER	AUXILIARY	587.00	CD EMER DSL GEN RM
17	1	2-OME-150-AB	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	AB EMER DSL GEN RM
17	2	2-OME-150-CD	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	CD EMER DSL GEN RM
18	2	2-CLJ-113	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL
18	1	2-CLJ-114	0	CONDENSATE STORAGE TANK SUPPLY / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL
18	1	2-FFI-210	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-1 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL
18	2	2-FFI-220	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-2 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MN STM STOP ENCL
18	2	2-FFI-230	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-3 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	W MN STM STOP ENCL
18	1	2-FFI-240	0	FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL
18	2	2-WDS-703	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER OME-34E HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
18	1	2-WDS-704	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER OME-34W HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
18	2	2-WPS-702	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN
18	1	2-WPS-706	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN
19	2	2-VTS-201	0	TURBINE BUILDING VENTILATION / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN HV-AFP-M1	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP
19	2	2-VTS-203	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN HV-AFP-T1	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
19	1	2-VTS-204	0	TURBINE BUILDING VENTILATION / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN HV-AFP-T2	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP
19	1	2-VTS-206	0	TURBINE BUILDING VENTILATION / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM WEST EXHAUST FAN HV-AFP-X2	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP
19	1	2-VTS-340	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR THERMOSTAT	GROUND	609.00	REFUEL WTR STOR TANK AREA
19	1	2-VTS-341	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-2 THERMOSTAT	AUXILIARY	587.00	AB EMER DSL GEN RM
19	2	2-VTS-345	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 3
19	2	2-VTS-348	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 THERMOSTAT	AUXILIARY	587.00	CD EMER DSL GEN RM
19	12	2-VTS-350	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-351	0	AUXILIARY BUILDING VENTILATION / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	12	2-VTS-352	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600 VOLT SWITCHGEAR XFRMS TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMPERATURE SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA
19	1	2-VTS-353	0	AUXILIARY BUILDING VENTILATION / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENT SUPPLY FAN HV-SGRS-9 TEMPERATURE SWITCH	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA



DONALD C. COOK NUCLEAR PLANT UNIT # 2
 SAFE SHUTDOWN EQUIPMENT LIST (SSEL)
 FOR RELAY REVIEW

Equip Class	Train	Equipment ID	Rev No	System / Equipment Description	Building	Floor Elev	Room or Row Col
19	12	2-VTS-354	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRY EQUIP ROOM AND INV AREA VENT OUTSIDE AIR INLET DAMPER HV-SGR-MD-2 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-355	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENT RECIRC AIR INLET DAMPER HV-SGR-MD-1 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-356	0	AUXILIARY BUILDING VENTILATION / CRD EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN HV-SGRS-4A TEMP SWITCH	AUXILIARY	609.00	INVERTER AREA
19	12	2-VTS-357	0	AUXILIARY BUILDING VENTILATION / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENTILATION SOUTH SUPPLY FAN HV-SGRS-4A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM
19	2	2-VTS-702	0	SCREENHOUSE VENTILATION / UNIT 2 EAST ESW PUMP ROOM TEMPERATURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM
19	1	2-VTS-704	0	SCREENHOUSE VENTILATION / UNIT 2 WEST ESW PUMP ROOM TEMPERATURE SWITCH	U#2 SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM
19	1	2-VTS-802	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-2 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA
19	2	2-VTS-803	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-3 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA
19	2	2-VTS-805	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWGR XFMRs TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMP SWITCH THERMAL SENSOR	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA
19	1	2-VTS-808	0	AUXILIARY BUILDING VENTILATION / 4KV ROOM 600V SWGR XFMRs TR21A AND TR21C AREA VENT SUPPLY FAN HV-SGRS-8 TEMP SWITCH TEMP SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA



APPENDIX B

DONALD C. COOK NUCLEAR PLANT

FLOOR RESPONSE SPECTRA

AS PER SQUG-GIP CRITERIA

Donald C. Cook Nuclear Plant
DBE Ground Response Elevation 608 feet
2% and 5% Damping

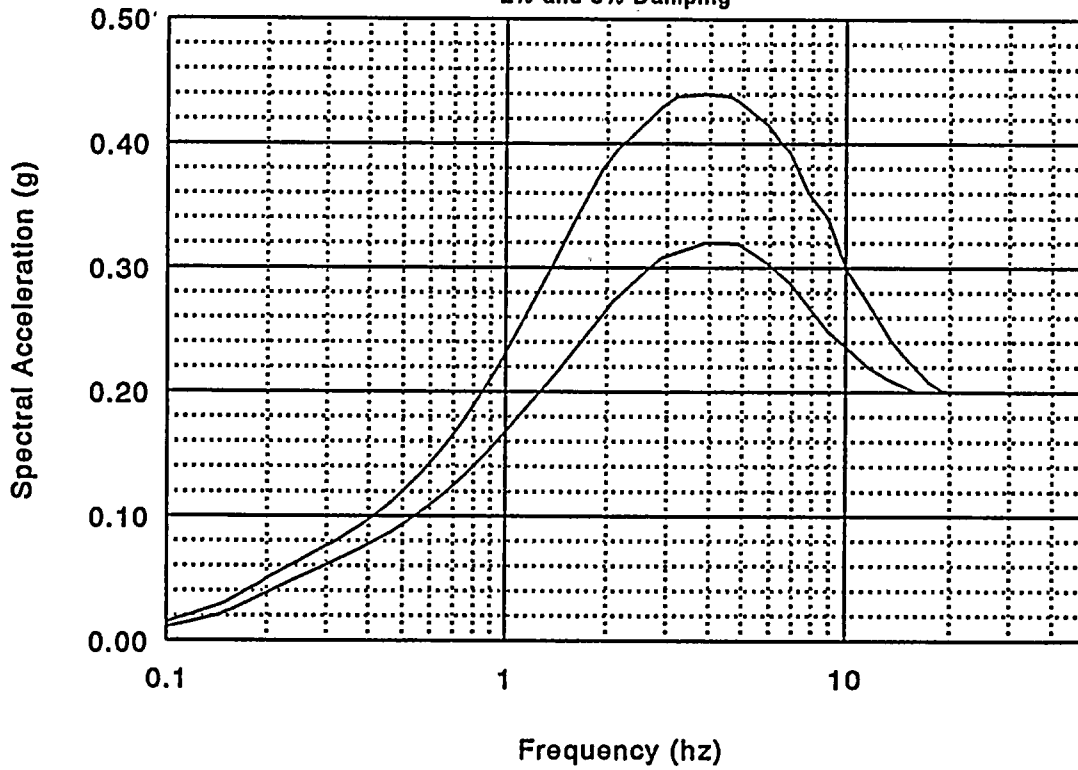


Figure B-1

Donald C. Cook Nuclear Plant

Auxiliary Building Elevation 587 feet

2% and 5% Damping

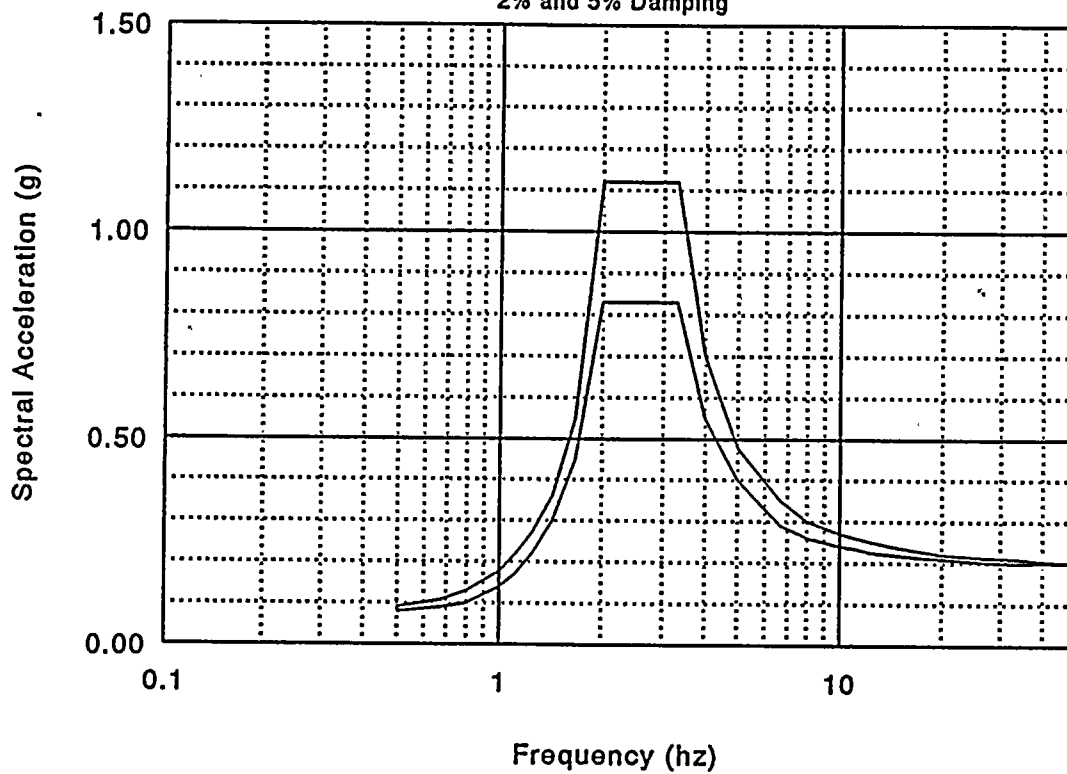


Figure B-2

Donald C. Cook Nuclear Plant
Auxiliary Building Elevation 633 feet
2% and 5% Damping

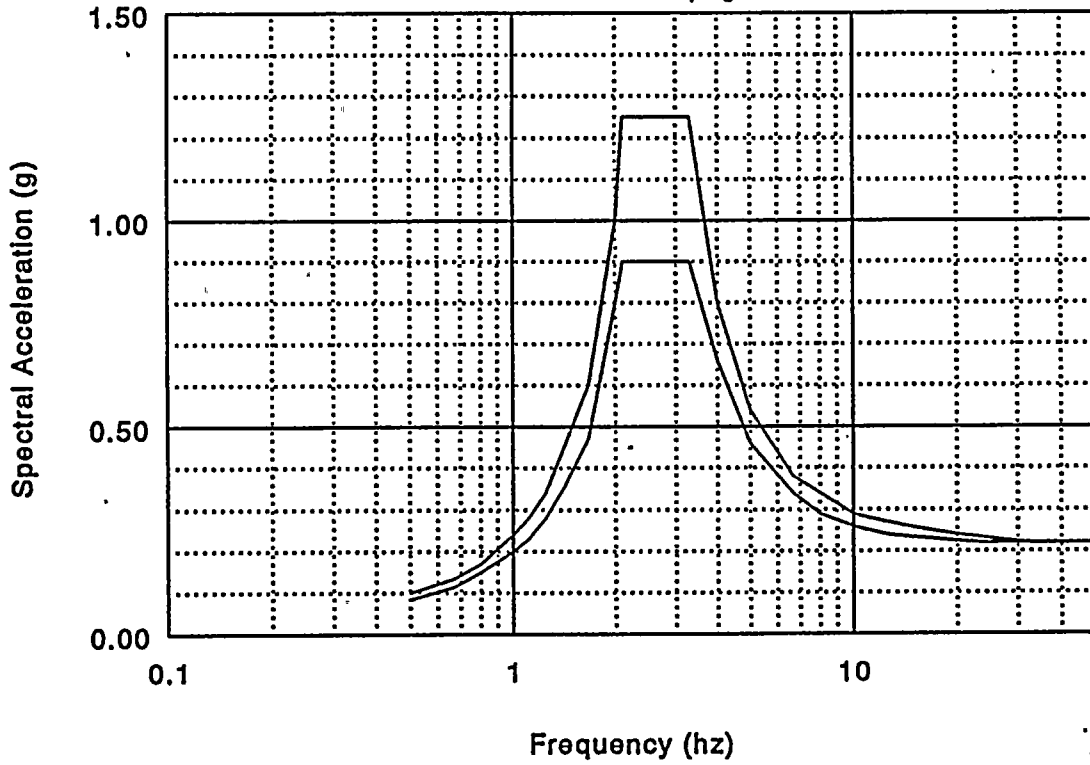


Figure B-3

Donald C. Cook Nuclear Plant
Auxiliary Building Elevation 650 feet
2% and 5% Damping

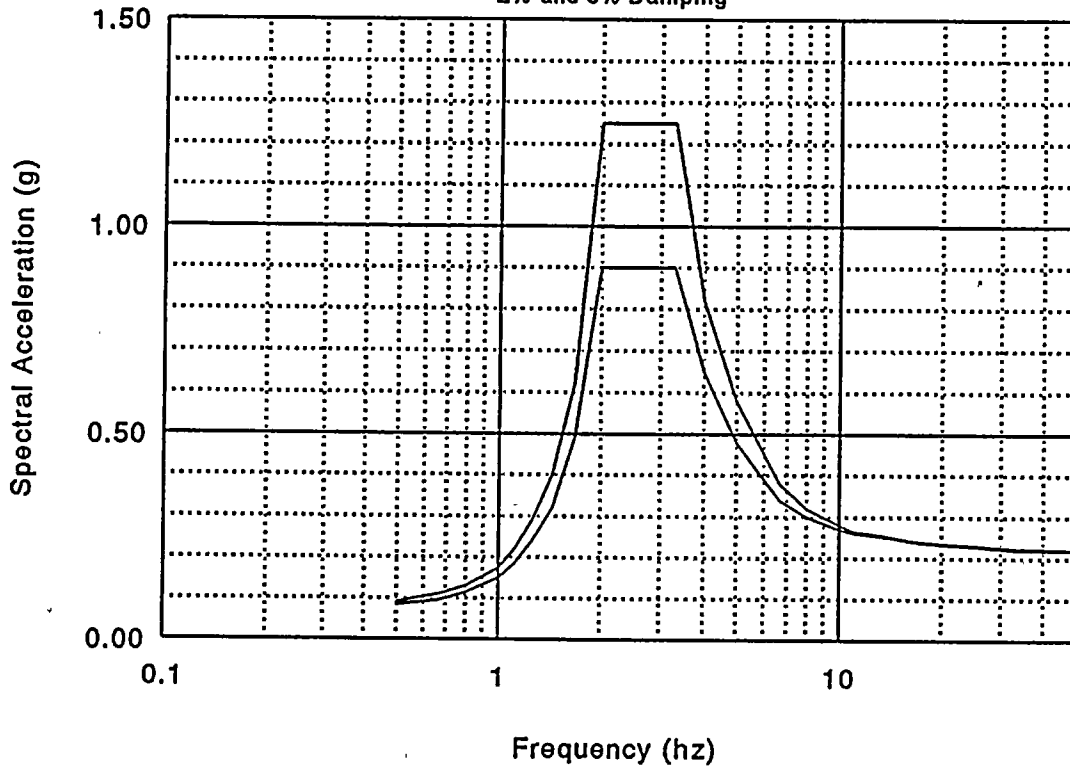


Figure B-4

Donald C. Cook Nuclear Plant
Diesel Generator Bldg Elevation 609 feet
2% and 5% Damping

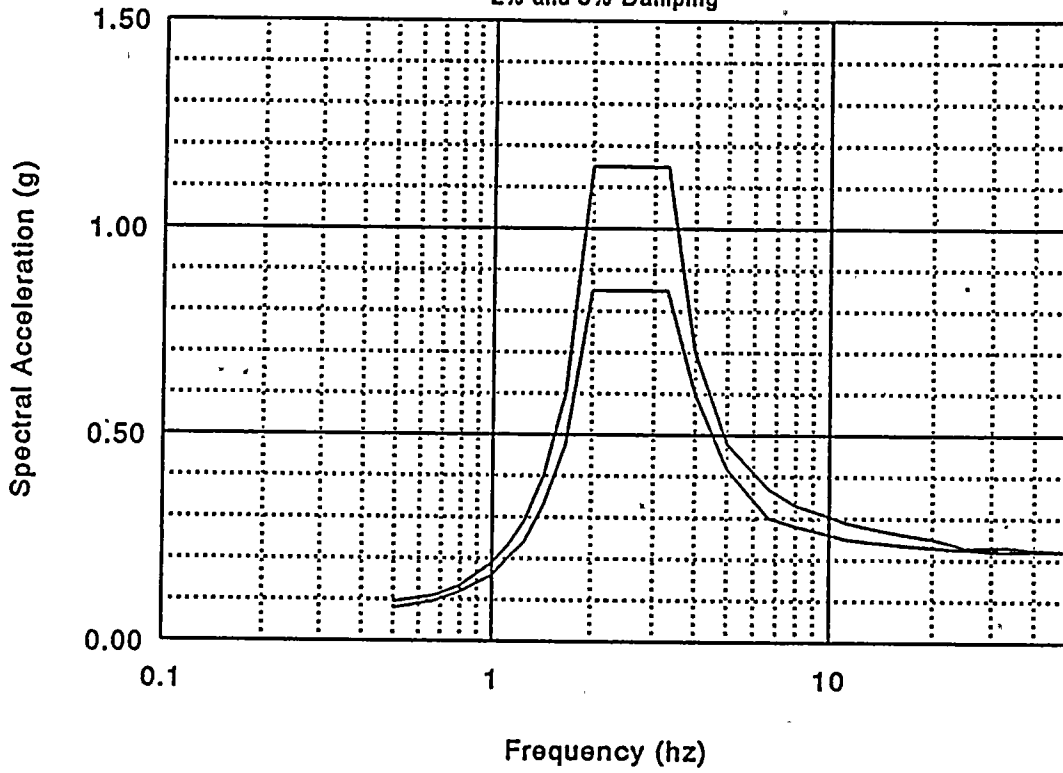


Figure B-5

Donald C. Cook Nuclear Plant
Turbine Building Elevation 591 feet
2% and 5% Damping

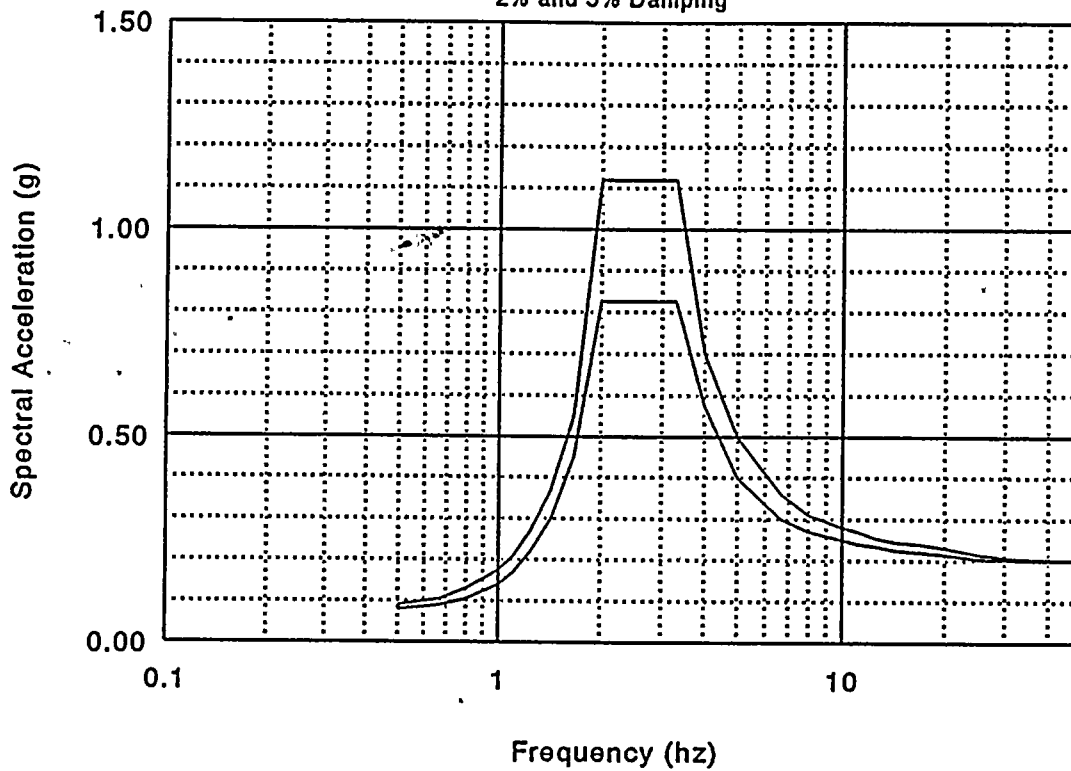


Figure B-6

Donald C. Cook Nuclear Plant
Containment Building Elevation 597 feet
2% and 5% Damping

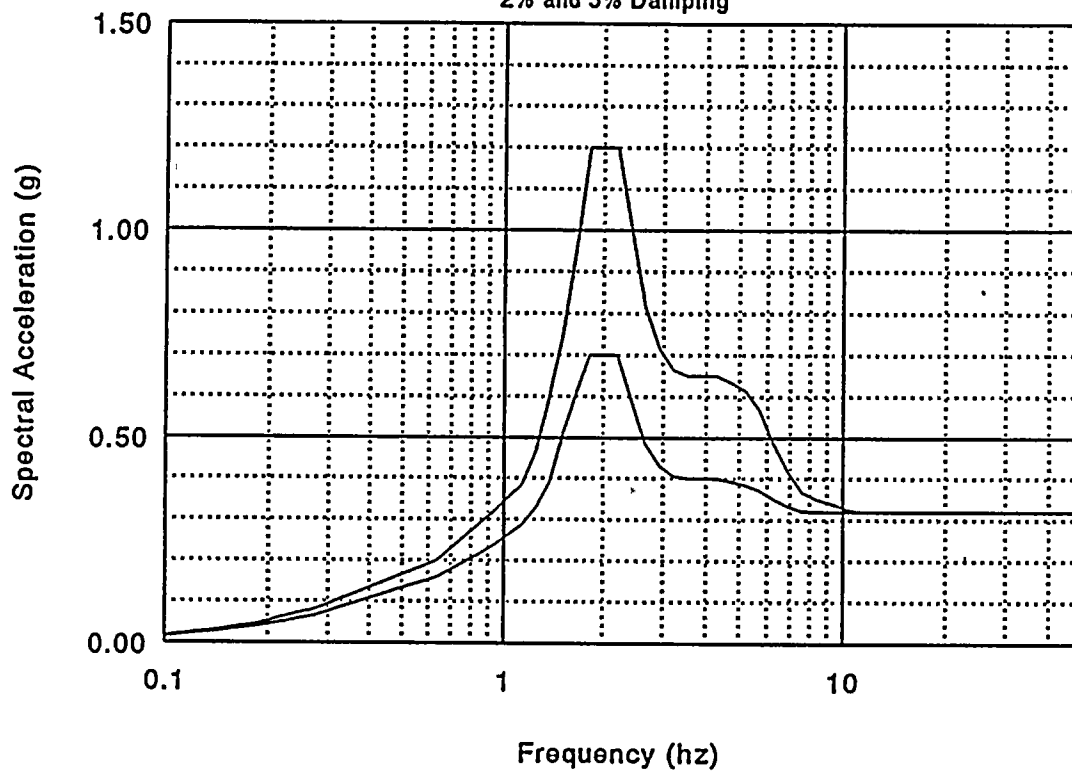


Figure B-7

Donald C. Cook Nuclear Plant
Containment Building Elevation 612 feet
2% and 5% Damping

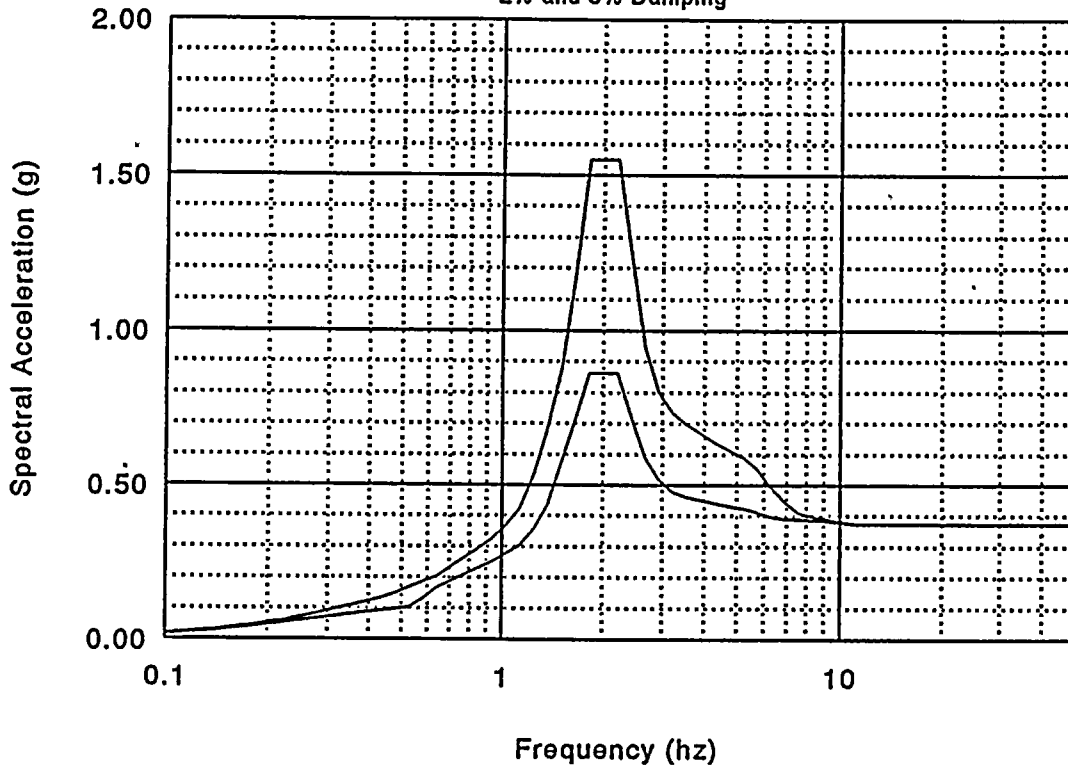


Figure B-8

Donald C. Cook Nuclear Plant
Containment Building Elevation 625 feet
2% and 5% Damping

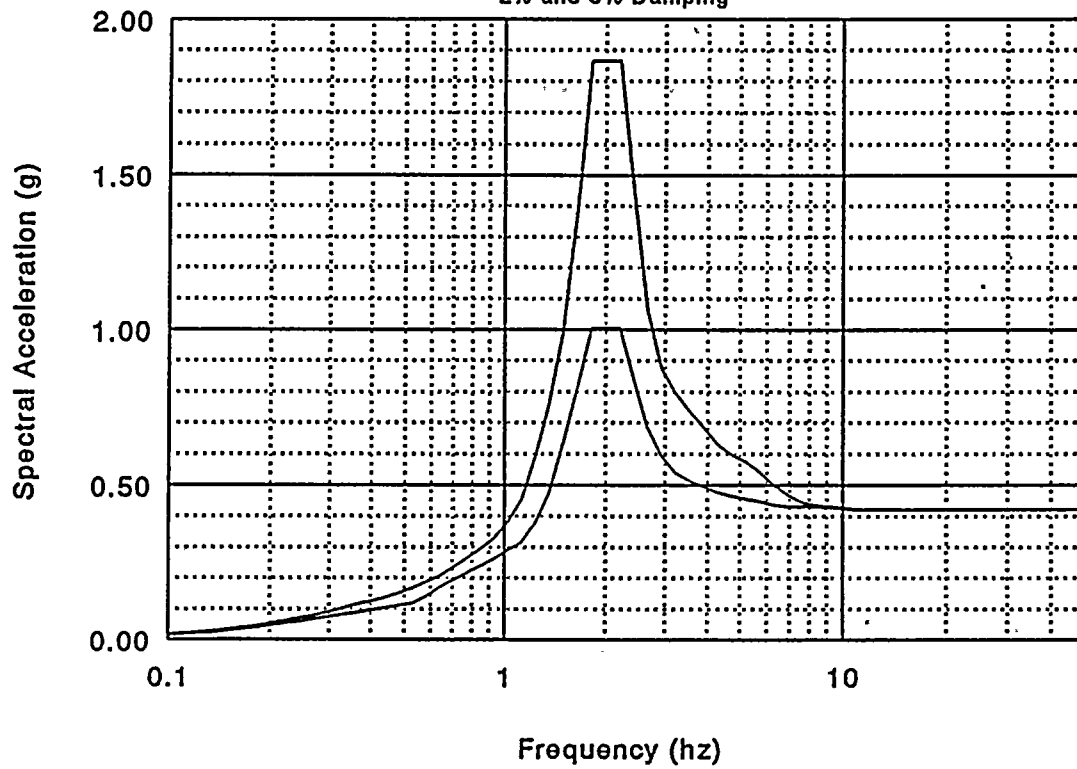


Figure B-9



Donald C. Cook Nuclear Plant

Containment Building Elevation 651 feet

2% and 5% Damping

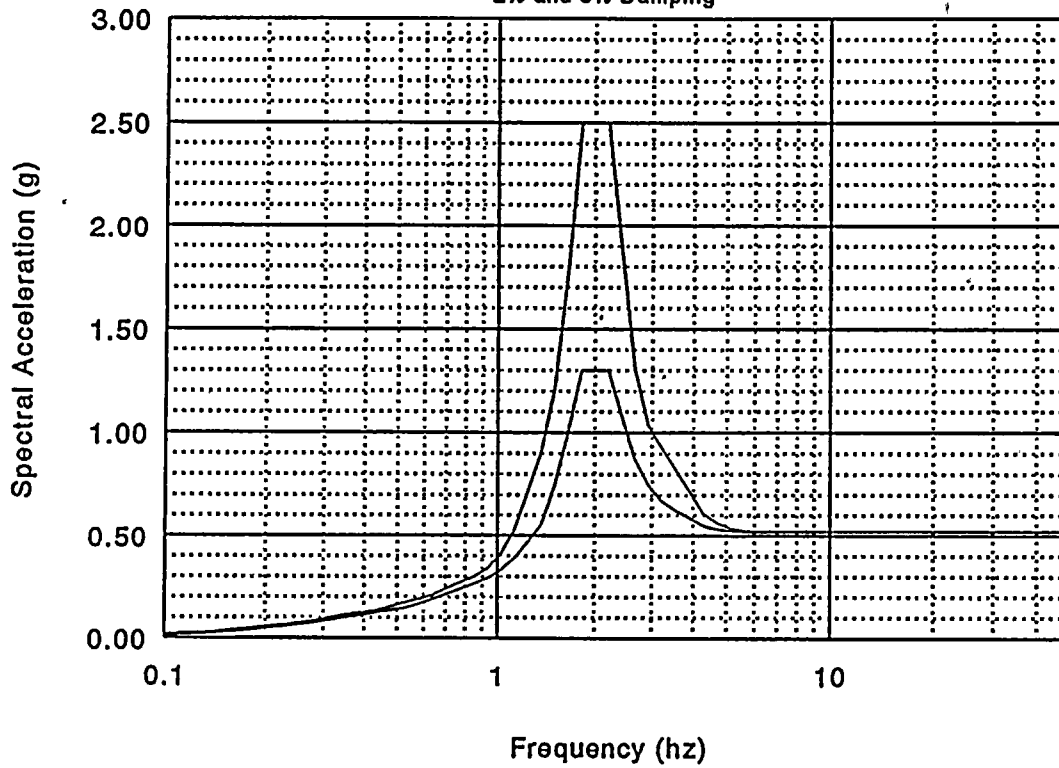


Figure B-10



Donald C. Cook Nuclear Plant
Containment Building Elevation 663 feet
2% and 5% Damping

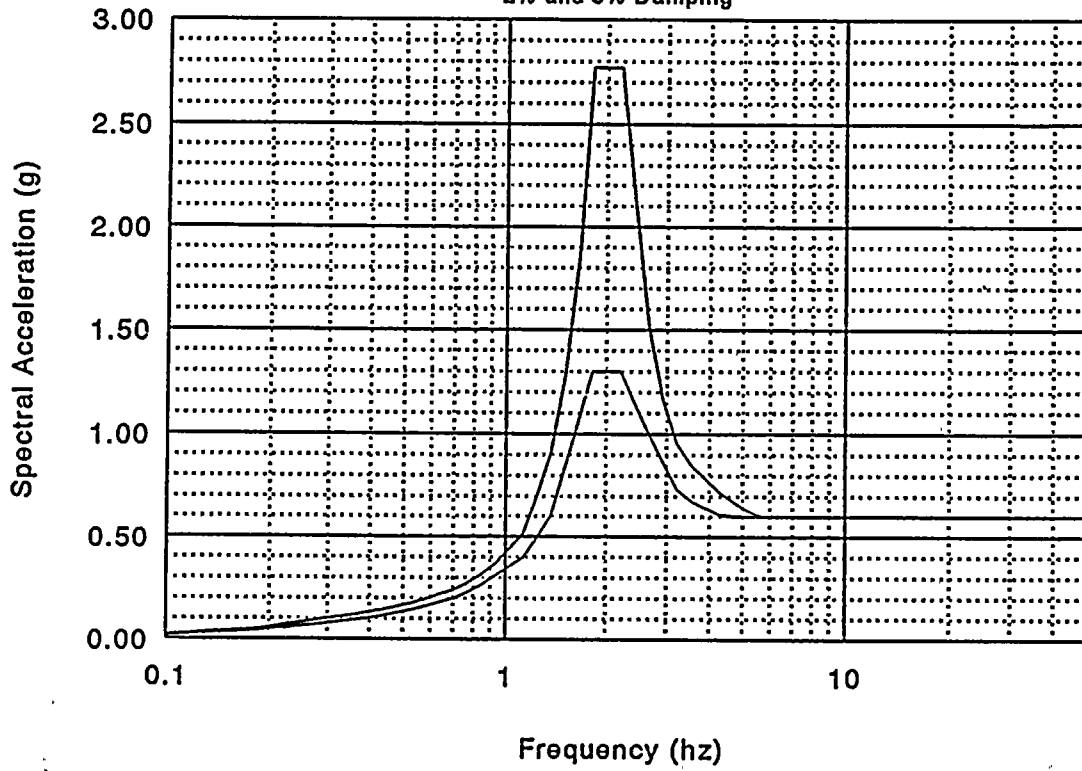


Figure B-11

Donald C. Cook Nuclear Plant
Containment Building Elevation 675 feet
2% and 5% Damping

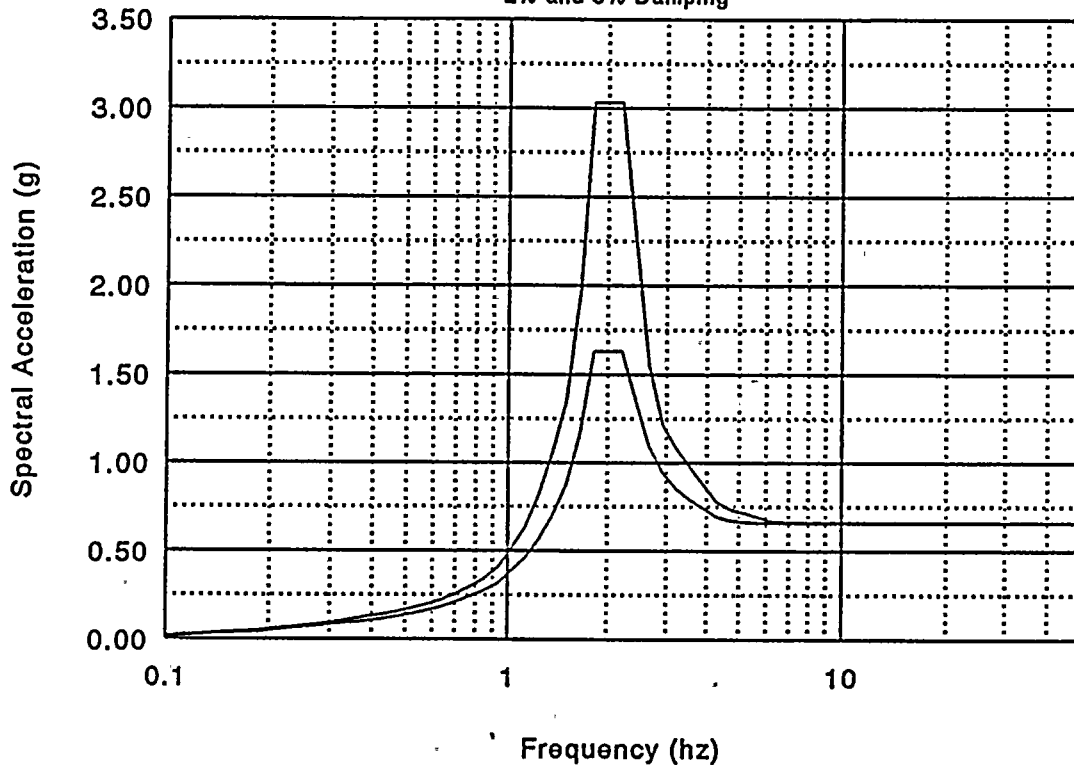


Figure B-12



Donald C. Cook Nuclear Plant
Containment Building Elevation 687 feet
2% and 5% Damping

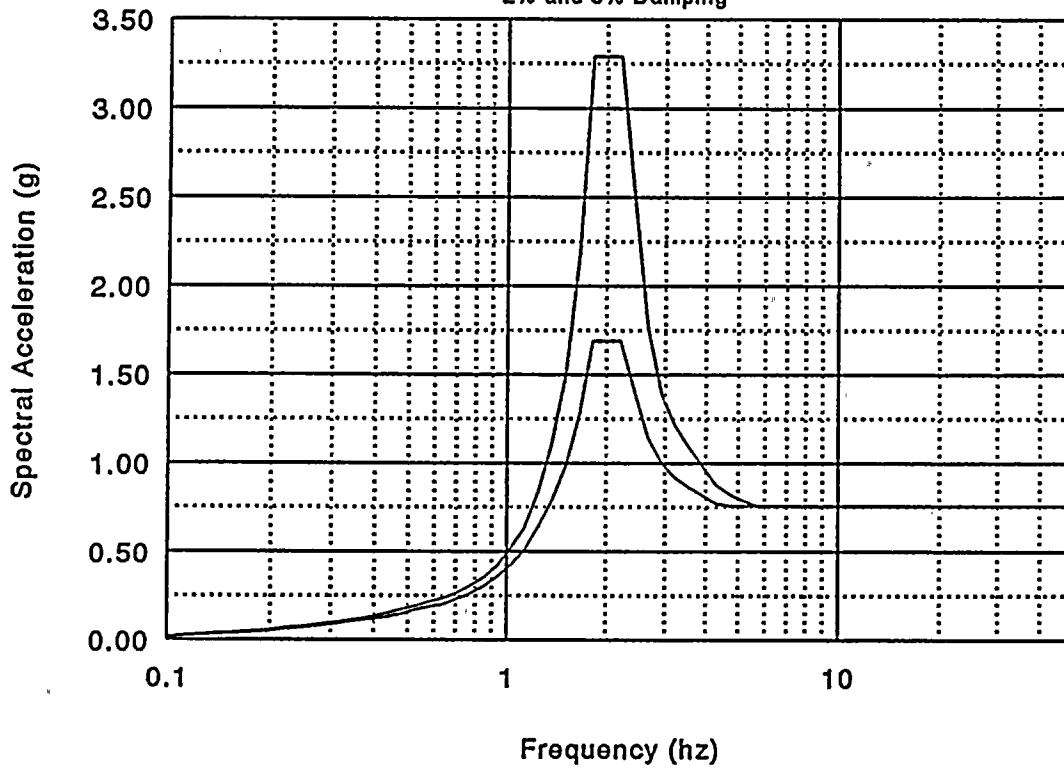


Figure B-13

Donald C. Cook Nuclear Plant
Containment Building Elevation 699 feet
2% and 5% Damping

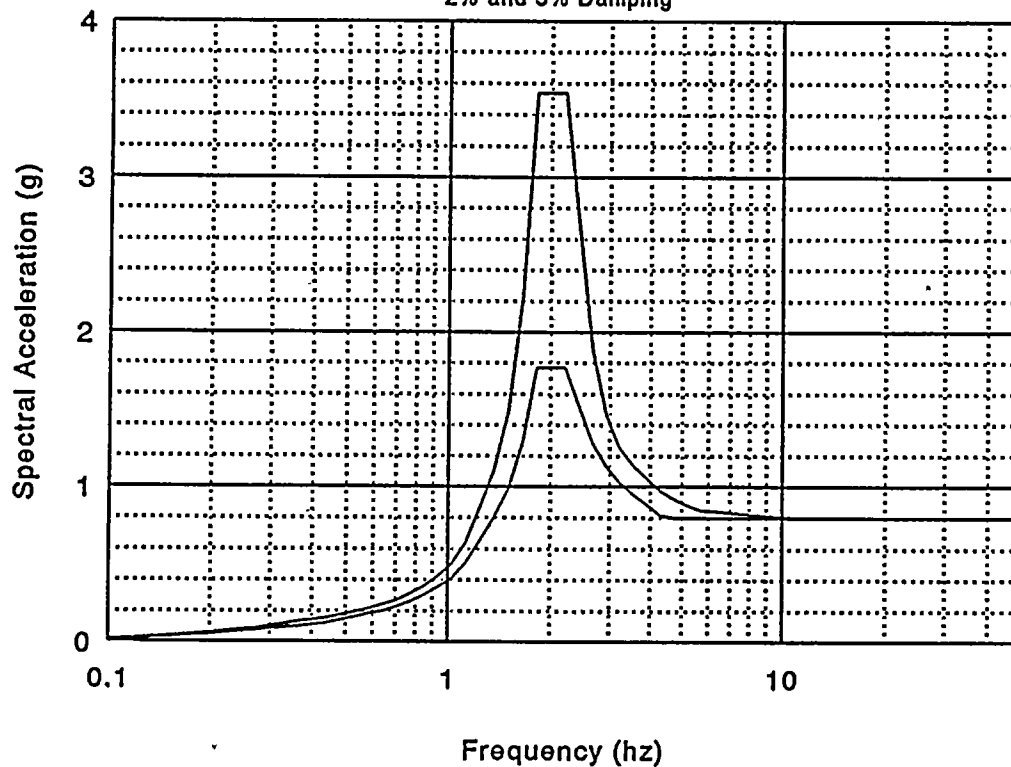


Figure B-14

Donald C. Cook Nuclear Plant
Containment Building Elevation 711 feet
2% and 5% Damping

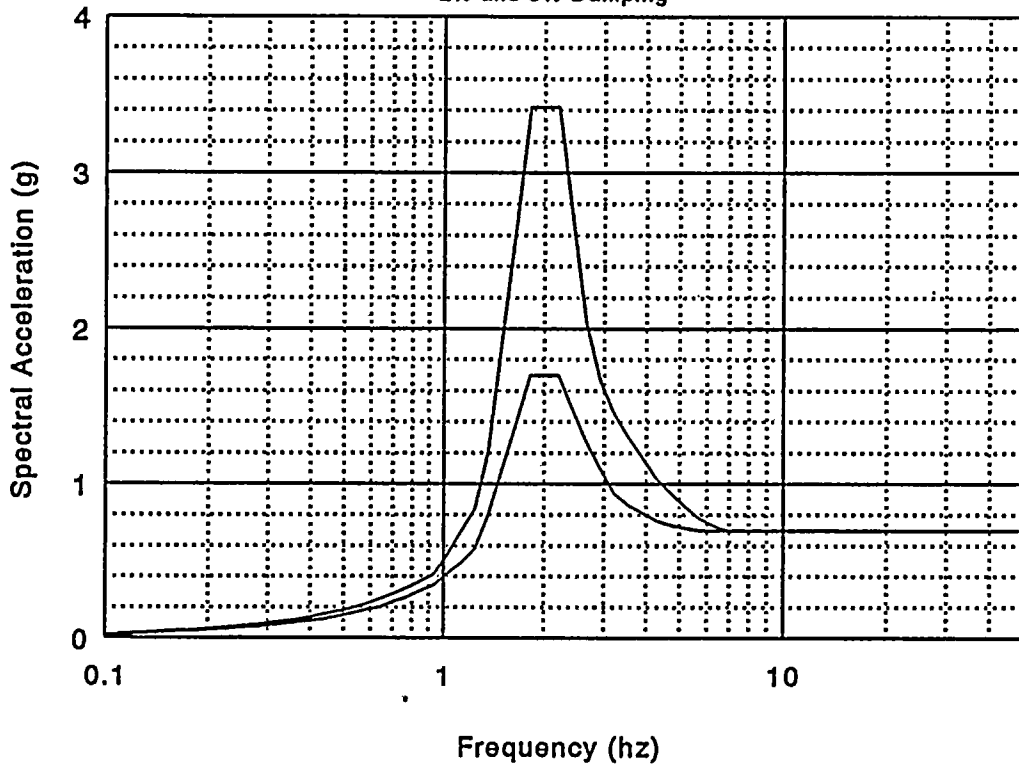


Figure B-15

Donald C. Cook Nuclear Plant
Containment Building Elevation 714 feet
2% and 5% Damping

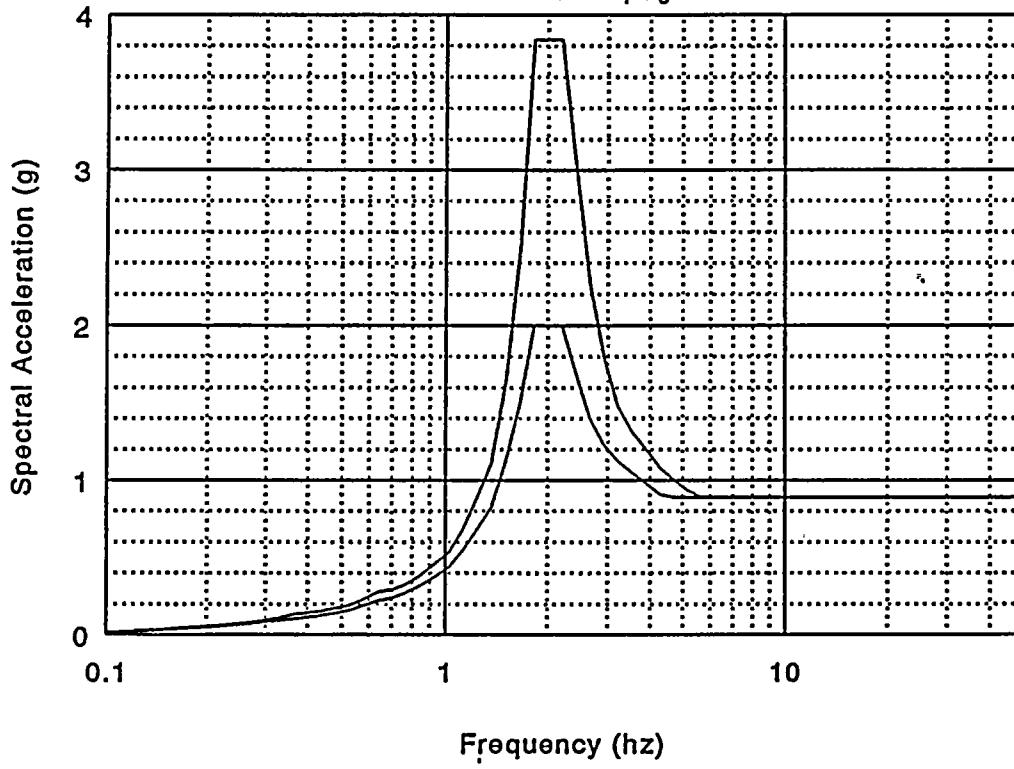


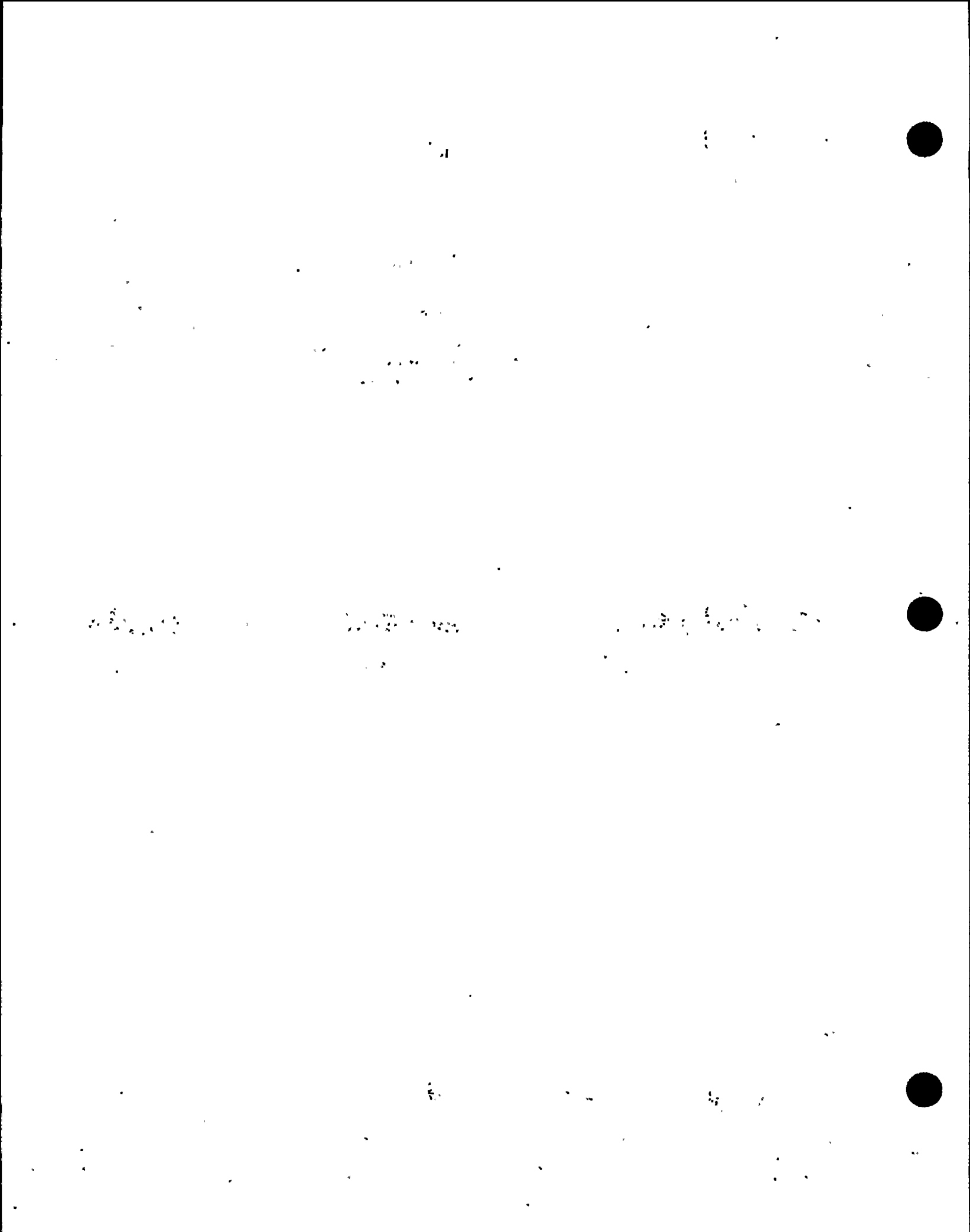
Figure B-16

APPENDIX C

DONALD C. COOK NUCLEAR PLANT - UNIT 2

**SCREENING VERIFICATION
DATA SHEETS (SVDS)**

**(AS PER SQUG GENERIC IMPLEMENTATION
PROCEDURE, SECTION 4)**





SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	12-HE-19S	0	BORON RECOVERY (CVCS / SOUTH BORIC ACID EVAPORATOR SKID	AUXILIARY	587.00	S BORIC ACID EVAP RM - IN THE CENTER OF THE ROOM	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	0	12-HE-25A	0	RADIOACTIVE WASTE EV / 15GPM RADIOACTIVE WASTE EVAPORATOR HE-25 CONDENSER	AUXILIARY	600.00	15 GPM WASTE EVAP RM - 8 FEET WEST OF THE BARRIER WALL, 10 FEET ABOVE THE 594 ELEVATION PLATFORM, 2 FEET ABOVE 15 GPM RADIOACTIVE WASTE EVAP DISTILLATE TANK	609.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	No	No	No
3	0	12-HE-25B	0	RADIOACTIVE WASTE EV / 15 GPM RADIOACTIVE WASTE EVAPORATOR HE-25 DISTILLATE COOLER	AUXILIARY	587.00	15 GPM WASTE EVAP RM - 10 FEET SOUTH OF THE ROOM'S DOORWAY, ON THE WEST WALL	609.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	0	12-HE-25C	0	RADIOACTIVE WASTE EV / 15 GPM RADIOACTIVE WASTE EVAPORATOR HE-25 CONCENTRATES COOLER	AUXILIARY	587.00	15 GPM WASTE EVAP RM - ON THE EAST SIDE OF THE DIVIDER WALL, IN THE MIDDLE OF THE ROOM	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	0	2-MRV-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 STOP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE NORTHWEST REGION OF THE ROOM, GOING FROM 612 ELEVATION TO 640 ELEVATION THROUGH THE PLATFORM	633.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	0	2-MRV-220	0	MAIN STEAM / STEAM GENERATOR OME-3-2 STOP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 15 FEET SOUTH OF THE NORTH WALL, IN THE CENTER OF THE 647 PLATFORM	633.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	0	2-MRV-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 STOP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - IN THE MIDDLE SOUTH PART OF THE ROOM	633.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
8	0	2-MRV-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 STOP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE SOUTHWEST REGION OF THE ROOM, AT THE 640 ELEVATION PLATFORM	633.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	0	2-OME-34E	0	ESSENTIAL SERVICE WA / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - IN THE MIDDLE WEST END OF THE ROOM	591.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	0	2-OME-34W	0	ESSENTIAL SERVICE WA / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER	SCREENHOUSE	591.00	WESSNTL SERV WTR PMP RM - 5 FEET NORTH OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W	591.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	0	2-QC-12	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID FILTER	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 10 FEET NORTHEAST OF SOUTH BORIC ACID STORAGE TANK #2-TK-12S, NEAR THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	0	2-QT-100-AB	0	DIESEL COMBUSTION AI / AB EMERGENCY DIESEL AIR INTAKE FILTER	GROUNDS	609.00	INNER PLANT GROUNDS - 50 FEET NORTHWEST OF REFUELING WATER STORAGE TANK #2-TK-33	608.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	0	2-QT-100-CD	0	DIESEL COMBUSTION AI / CD EMERGENCY DIESEL AIR INTAKE FILTER	GROUNDS	609.00	INNER PLANT GROUNDS - 60 FEET NORTHWEST OF REFUELING WATER STORAGE TANK #2-TK-23	609.00	Unk	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	0	2-QT-104-AB	0	DIESEL COMBUSTION AI / AB EMERGENCY DIESEL EXHAUST SILENCER	GROUNDS	609.00	INNER PLANT GROUNDS - 50 FEET SOUTHWEST OF UNIT 2 CONTAINMENT DOME	608.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
15	0	2-QT-104-CD	0	DIESEL COMBUSTION AI / CD EMERGENCY DIESEL EXHAUST SILENCER	GROUNDS	609.00	INNER PLANT GROUNDS - 20 FEET SOUTHWEST OF UNIT 2 DOME	608.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

<u>John D. Stevenson</u> Print or Type Name	 Signature	<u>12/11/95</u> Date	<u>Paul R. Wilson</u> Print or Type Name	 Signature	<u>12-11-95</u> Date
--	--	-------------------------	---	--	-------------------------



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	1	2-AB-A	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER AB-A	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH REGION OF THE HALLWAY, 5 FEET SOUTHEAST OF CVCS MONITOR TANKS SOUTH TRANSFER PUMP #12-PP-47S, NEAR THE EAST	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	1	2-AB-D	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER AB-D	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH REGION OF THE HALLWAY, 5 FEET EAST OF CVCS MONITOR TANKS NORTH TRANSFER PUMP #12-PP-47N, NEAR THE EAST	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	1	2-AB-N	0	250VDC CONTROL AND I / CONTROL CENTER VALVE	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH REGION OF THE HALLWAY, 5 FEET NORTHWEST OF CVCS MONITOR TANKS NORTH TRANSFER PUMP #12-PP-47N	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	1	2-ABD-A	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER ABD-A	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHWEST CORNER OF THE ROOM, 3 FEET SOUTH OF THE NORTH WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	1	2-ABD-B	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER ABD-B	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHWEST CORNER OF THE ROOM, 3 FEET SOUTH OF THE NORTH WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	1	2-ABD-C	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER ABD-C	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE SOUTH WALL, 10 FEET WEST OF EMERGENCY DIESEL GENERATOR #2-OME-150-CD	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	1	2-ABD-D	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER ABD-D	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHWEST CORNER OF THE ROOM, NEAR THE SOUTH WALL, 10 FEET WEST OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	1	2-ABV-A	0	ELECTRICAL DISTRIBUTION / 600VAC VALVE CONTROL CENTER ABV-A	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 15 FEET SOUTHEAST OF SOUTH BORIC ACID EVAPORATOR SUBPANEL #12-BAES, NEAR THE SOUTH WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	1	2-ABV-D	0	ELECTRICAL DISTRIBUTION / 600VAC VALVE CONTROL CENTER ABV-D	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTHWEST REGION OF THE HALLWAY, NEAR THE WEST WALL, 3 FEET NORTHEAST OF THE WASTE GAS STORAGE TANK AREA	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	1	2-AM-A	0	ELECTRICAL DISTRIBUTION, 600VAC / 600VAC MOTOR CONTROL CENTER AM-A	AUXILIARY	633.00	633 HALLWAY - NEAR THE SOUTH SECTION OF THE HALLWAY, 2 FEET NORTH OF NBFT ROOM'S ENTRANCE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	1	2-AM-D	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER AM-D	AUXILIARY	633.00	633 HALLWAY - IN THE SOUTH SECTION OF THE HALLWAY, 2 FEET NORTH OF CONTAINMENT AUXILIARIES SUBPANEL #2-CAS, NEAR THE WEST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	1	2-AZV-A	0	ELECTRICAL DISTRIBUTION / 600VAC VALVE CONTROL CENTER AZV-A	AUXILIARY	609.00	609 HALLWAY - 15 FEET EAST OF THE NORTHEAST SIDE OF EAST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15E, 5 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	1	2-EZC-A	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER EZC-A	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE SOUTHEAST PART OF THE ROOM, 10 FEET NORTH OF THE SOUTH WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	1	2-EZC-B	0	ELECTRICAL DISTRIBUTION / 600VAC MOTOR CONTROL CENTER EZC-B	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE SOUTHEAST PART OF THE ROOM, 4 FEET NORTH OF THE SOUTH END OF THE ROOM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All Information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

11

12



Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
15	1	2-EZC-C	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER EZC-C	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE NORTHEAST CORNER OF THE ROOM, 4 FEET SOUTH OF THE NORTH WALL, 5 FEET NORTH OF 600VAC MOTOR CONTROL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	1	2-EZC-D	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER EZC-D	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE NORTHEAST PART OF THE ROOM, 8 FEET SOUTH OF THE NORTH WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	1	2-PS-A	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER PS-A	SCREENHOUSE	594.00	TRAVEL SCRNM MCC UPPER RM - 10 FEET NORTHWEST OF THE ROOM'S ENTRANCE DOORWAY, ON THE WEST WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	1	2-PS-D	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER PS-D	SCREENHOUSE	594.00	TRAVEL SCRNM MCC UPPER RM - ON THE WEST WALL OF THE ROOM, 2 FEET NORTH OF THE ROOM'S ENTRANCE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	2	2-21A	0	ELECTRICAL DISTRIBUT / 600V BUS 21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTH OF 600 VAC TRANSFORMER #2-TR-21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	2	2-21A1	0	ELECTRICAL DISTRIBUT / REACTOR ROD CONTROL SOUTH MOTOR-GENERATOR SET CRDMG-2S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	2	2-21A10	0	ELECTRICAL DISTRIBUT / WEST TURBINE AUXILIARY COOLING WATER PUMP PP-14W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	2	2-21A11	0	ELECTRICAL DISTRIBUT / 600VAC BUS 21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NW REGION OF THE ROOM, IN 600V AC SWITCHGEAR #2-21A, 6 FEET ABOVE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	2	2-21A2	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NW REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21A, 5 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
24	2	2-21A4	0	ELECTRICAL DISTRIBUT / SOUTH PLANT LIGHTING TRANSFORMER TR-LTG-9S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
25	2	2-21A5	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NW REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21A, 3 FT ABOVE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
26	2	2-21A6	0	ELECTRICAL DISTRIBUT / 600VAC MCCS AB-A, PS-A, TPP-A, AND VCCS ABV-A, AZV-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NE REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21A, 1 FOOT ABOVE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
27	2	2-21A8	0	ELECTRICAL DISTRIBUT / 600VAC BORIC ACID HEAT TRACE CONTROL CENTER BHT-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
28	2	2-21A9	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NW REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21A, 1 FOOT ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/15
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/15
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
29	2	2-21AC	0	ELECTRICAL DISTRIBUT / 600V BUS 21A TO 600V BUS 21C TIE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
30	2	2-21B	0	ELECTRICAL DISTRIBUT / 600V BUS 21B SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21A, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
31	2	2-21B1	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-B SUPPLY BREAKER (2-ELSC)	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NE REGION OF THE ROOM, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
32	2	2-21B10	0	ELECTRICAL DISTRIBUT / PLANT AIR COMPRESSOR OME-41 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
33	2	2-21B11	0	ELECTRICAL DISTRIBUT / 600VAC BUS 21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NE REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21B, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
34	2	2-21B12	0	ELECTRICAL DISTRIBUT / SOUTH NON-ESSENTIAL SERVICE WATER PUMP PP-8S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
35	2	2-21B13	0	ELECTRICAL DISTRIBUT / TURBINE ROOM INDUCTION HEATING, STRESS RELIEF AND BOLT HEATERS SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
36	2	2-21B2	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NE REGION OF THE ROOM, IN 600V AC SWITCHGEAR #2-21B, 5 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
37	2	2-21B3	0	ELECTRICAL DISTRIBUT / 600V BUS 21B SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
38	2	2-21B5	0	ELECTRICAL DISTRIBUT / 600V MOTOR CONTROL CENTERS TBG-BW AND TBP-BN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
39	2	2-21B6	0	ELECTRICAL DISTRIBUT / EAST TURBINE AUXILIARY COOLING WATER PUMP PP-14E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
40	2	2-21BD	0	ELECTRICAL DISTRIBUT / 600V BUS 21B TO 600V BUS 21D TIE BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21B, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
41	2	2-21C	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTH OF 600VAC SUPPLY TRANSFORMER #2-TR21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Shama
Print or Type Name

T.R. Satyan Shama
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
42	2	2-21C1	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
43	2	2-21C10	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-C AND 2-AFW SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 1 FOOT ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
44	2	2-21C11	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
45	2	2-21C12	0	ELECTRICAL DISTRIBUT / SOUTH SPENT FUEL PIT PUMP 12-PP-31S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
46	2	2-21C13	0	ELECTRICAL DISTRIBUT / RECIPROCATING CHARGING PUMP PP-49 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
47	2	2-21C14	0	ELECTRICAL DISTRIBUT / FIRE PROTECTION WATER HIGH DEMAND PUMP PP-11 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
48	2	2-21C16	0	ELECTRICAL DISTRIBUT / 600VAC MOTOR CONTROL CENTER TBC-CN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
49	2	2-21C17	0	ELECTRICAL DISTRIBUT / NORTH NON-ESSENTIAL SERVICE WATER PUMP PP-8N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
50	2	2-21C18	0	ELECTRICAL DISTRIBUT / MAIN TURBINE AUXILIARY LUBE OIL PUMP QT-201 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
51	2	2-21C2	0	ELECTRICAL DISTRIBUT / CONTAINMENT POLAR CRANE QM-4 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
52	2	2-21C3	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
53	2	2-21C4	0	ELECTRICAL DISTRIBUT / CIRCULATING WATER TRAVELING SCREEN SOUTH WASH PUMP PP-15S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
54	2	2-21C6	0	ELECTRICAL DISTRIBUT / 600VAC MCC EZC-C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, ON THE 600VAC SWITCHGEAR #2-21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
55	2	2-21C7	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date



DC CO .IT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
56	2	2-21C8	0	ELECTRICAL DISTRIBUT / PLANT AND CNTMT STANDBY LIGHTING TRANSFORMER TR-LTG-8 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
57	2	2-21C9	0	ELECTRICAL DISTRIBUT / MAIN AND SPARE TRANSFORMER AUXILIARIES NORMAL DISTRIBUTION CABINET TCSN SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21C, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
58	2	2-21D	0	ELECTRICAL DISTRIBUT / 600V BUS 21D SWITCHGEAR	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, 20 FEET NORTHWEST OF 600VAC SUPPLY TRANSFORMER #2-TR21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
59	2	2-21D1	0	ELECTRICAL DISTRIBUT / 600V BUS 21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST CORNER OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
60	2	2-21D10	0	ELECTRICAL DISTRIBUT / NORTH PLANT LIGHTING TRANSFORMER TR-LTG-9N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600V SWITCHGEAR #2-21D, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
61	2	2-21D11	0	ELECTRICAL DISTRIBUT / 600V BORIC ACID HEAT TRACE CONTROL CENTER BHT-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, ON 600V SWITCHGEAR #2-21D, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
62	2	2-21D13	0	ELECTRICAL DISTRIBUT / REACTOR ROD CONTROL NORTH MOTOR-GENERATOR SET CRDMG-2N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, ON 600V SWITCHGEAR #2-21D, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
63	2	2-21D14	0	600VAC DISTRIBUTION / 600VAC MCC 2-AB-D, VCC 2-ABV-D, MCC 2-PS-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, ON 600V AC SWITCHGEAR #2-21D, 1 FOOT ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
64	2	2-21D3	0	ELECTRICAL DISTRIBUT / CONTAINMENT LIGHTING TRANSFORMER TR-LTG-10 SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST PART OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
65	2	2-21D4	0	ELECTRICAL DISTRIBUT / 600V BUS 21D SPARE CIRCUIT BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST PART OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
66	2	2-21D5	0	ELECTRICAL DISTRIBUT / 600VAC MCC ABD-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 3 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
67	2	2-21D6	0	ELECTRICAL DISTRIBUT / 600VAC MCC ECC-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 1 FOOT ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
68	2	2-21D8	0	ELECTRICAL DISTRIBUT / 600VAC MCC AM-D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 5 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
69	2	2-21D9	0	ELECTRICAL DISTRIBUT / MAIN AND SPARE TRANSFORMER AUXILIARIES EMERGENCY DISTRIBUTION CABINET TCSE SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 600VAC SWITCHGEAR #2-21D, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
70	2	2-52-BYA	0	REACTOR TRIP BREAKER / REACTOR ROD CONTROL TR-A REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM - IN THE MIDDLE WEST REGION OF THE ROOM, ON 260/150 VAC ROD CONTROL MOTOR-GENERATOR SET SWITCHGEAR #2-CRDSWGR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
71	2	2-52-BYB	0	REACTOR TRIP BREAKER / REACTOR ROD CONTROL TRAIN B REACTOR TRIP BYPASS CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM - IN THE MIDDLE WEST REGION OF THE ROOM, ON 260/150 VAC ROD CONTROL MOTOR-GENERATOR SET SWITCHGEAR #2-CRDSWGR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
72	2	2-52-RTA	0	ROD CONTROL AND INST / REACTOR ROD CONTROL TRAIN 'A' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM - IN THE MIDDLE WEST REGION OF THE ROOM, IN BREAKER COMPARTMENT #2-52-RTA, 3 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
73	2	2-52-RTB	0	ROD CONTROL AND INST / REACTOR ROD CONTROL TRAIN 'B' REACTOR TRIP CIRCUIT BREAKER	AUXILIARY	609.00	CRD EQUIP RM - IN THE MIDDLE WEST REGION OF THE ROOM, IN BREAKER COMPARTMENT #2-52-RTB, NEAR THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
74	3	2-T21A	0	4KV ELECTRICAL DISTR / 4KV BUS T21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA -	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	Yes	No	No
75	3	2-T21A1	0	ELECTRICAL DISTRIBUT / SOUTH SAFETY INJECTION PUMP PP-26S SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SE REGION OF THE ROOM, IN 4 KV SWITCHGEAR #2-T21A, IN BREAKER COMPARTMENT #2-T21A1	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
76	3	2-T21A10	0	ELECTRICAL DISTRIBUT / 600V BUS 21A SUPPLY TRANSFORMER TR21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
77	3	2-T21A11	0	ELECTRICAL DISTRIBUT / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21A SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
78	3	2-T21A12	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER FROM 69KV TO BUS T21A	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
79	3	2-T21A2	0	ELECTRICAL DISTRIBUT / WEST MOTOR DRIVEN AUX FEEDWATER PUMP PP-3W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SE REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
80	3	2-T21A3	0	ELECTRICAL DISTRIBUT / WEST CONTAINMENT SPRAY PUMP PP-9W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
81	3	2-T21A4	0	ELECTRICAL DISTRIBUT / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
82	3	2-T21A5	0	ELECTRICAL DISTRIBUT / WEST ESSENTIAL SERVICE WATER PUMP PP-7W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas George D. [Signature] 12/16/95 T.R. Satyan Sharma R. Satyan Sharma 12/20/95
 Print or Type Name Signature Date Print or Type Name Signature Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
83	3	2-T21A6	0	ELECTRICAL DISTRIBUT / 4KV BUS T21A TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHA SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
84	3	2-T21A7	0	ELECTRICAL DISTRIBUT / WEST COMPONENT COOLING WATER PUMP PP-10W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21A, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
85	3	2-T21A8	0	ELECTRICAL DISTRIBUT / WEST CENTRIFUGAL CHARGING PUMP PP-50W SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
86	3	2-T21A9	0	ELECTRICAL DISTRIBUT / 4KV BUS 2A TO BUS T21A TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM, IN THE 4KV SWITCHGEAR #2-T21A	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
87	3	2-T21B	0	4KV ELECTRICAL DISTR / 4KV BUS T21A SWITCHGEAR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA -	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
88	3	2-T21B1	0	ELECTRICAL DISTRIBUT / 4KV BUS 2B TO 4KV BUS T21B TIE BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE WEST REGION OF THE ROOM, ON 4KV SWITCHGEAR #2-T21B	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
89	3	2-T21B2	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER FROM 69KV BUS TO BUS T21B	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE WEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21B, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
90	3	2-T21B4	0	ELECTRICAL DISTRIBUT / AB EMERGENCY DIESEL GENERATOR TO 4KV BUS T21B SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE MIDDLE WEST PART OF THE ROOM, IN 4KV SWITCHGEAR #2-T21B, IN THE LOWER COMPARTMENT	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
91	3	2-T21C	0	4KV ELECTRICAL DISTR / 4KV BUS T21C SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA -	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
92	3	2-T21C1	0	ELECTRICAL DISTRIBUT / 4KV BUS 2C TO 4KV BUS T21C TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE NORTHEAST PART OF THE ROOM, ON 4KV SWITCHGEAR #2-T21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
93	3	2-T21C2	0	ELECTRICAL DISTRIBUT / CIRCUIT BREAKER - 4KV FROM 69KV TO BUS T21C	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
94	3	2-T21C3	0	ELECTRICAL DISTRIBUT / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21C SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE NORTHEAST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21C	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
95	3	2-T21D	0	4KV ELECTRICAL DISTR / 4KV BUS T21D SWITCHGEAR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA -	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
96	3	2-T21D1	0	ELECTRICAL DISTRIBUT / 4KV EMERGENCY POWER BUS EP TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
97	3	2-T21D10	0	ELECTRICAL DISTRIBUT / EAST ESSENTIAL SERVICE WATER PUMP PP-7E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Henry H. Chad
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T. Satyan Sharma
Signature

12/20/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
98	3	2-T21D11	0	ELECTRICAL DISTRIBUT / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
99	3	2-T21D12	0	ELECTRICAL DISTRIBUT / 4KV BUS 2D TO 4KV BUS T21D TIE BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
100	3	2-T21D2	0	ELECTRICAL DISTRIBUT / 600V BUS 21D SUPPLY TRANSFORMER TR21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
101	3	2-T21D3	0	ELECTRICAL DISTRIBUT / EAST COMPONENT COOLING WATER PUMP PP-10E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
102	3	2-T21D4	0	ELECTRICAL DISTRIBUT / EAST CONTAINMENT SPRAY PUMP PP-9E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
103	3	2-T21D5	0	ELECTRICAL DISTRIBUT / NORTH SAFETY INJECTION PUMP PP-26N SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
104	3	2-T21D6	0	ELECTRICAL DISTRIBUT / EAST RHR PUMP PP-35E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
105	3	2-T21D7	0	ELECTRICAL DISTRIBUT / EAST CENTRIFUGAL CHARGING PUMP PP-50E SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
106	3	2-T21D8	0	ELECTRICAL DISTRIBUT / CD EMERGENCY DIESEL GENERATOR TO 4KV BUS T21D SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
107	3	2-T21D9	0	ELECTRICAL DISTRIBUT / 4KV BUS T21D TO 480V PRESSURIZER HEATER BUS SUPPLY TRANSFORMER TR21PHC SUPPLY BREAKER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, IN 4KV SWITCHGEAR #2-T21D	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
108	4	2-CRID-I-CVT	0	120V CONTROL ROOM IN / 10KVA TRANSFORMER - CONSTANT VOLTAGE	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 7 FEET SOUTH OF 600VAC BUS 21B SUPPLY TRAIN	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
109	4	2-CRID-II-CVT	0	120VAC DISTRIBUTION / 120V AC CR INST DISTR CH-II ISOL CONT VOLT TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
110	4	2-CRID-III-CVT	0	120V CONTROL ROOM IN / 10KVA ISOLIMETER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
111	4	2-CRID-IV-CVT	0	120V CONTROL ROOM IN / 10KVA ISOLIMETER - CONSTANT VOLTAGE - TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
112	4	2-DGAB-FFCKT	0	DIESEL GENERATION, C / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE MIDDLE NORTH REGION OF THE ROOM, 5 FEET WEST OF ROOM'S DOORWAY, INSIDE N SIDE OF AB EDG CONTROL SUBPANEL 1-DGAB, 2' ABOVE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
113	4	2-DGCD-FFCKT	0	DIESEL GENERATION, C / CD EMERGENCY DIESEL GENERATOR OME-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE SOUTH REGION OF THE ROOM, 5 FEET EAST OF CD EMERGENCY DIESEL GENERATOR ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
114	4	2-TR-AFW	0	120V/220 CONTROL AND / AUXILIARY FEEDWATER 120/208VAC EMERGENCY LOCAL AFW SUPPLY TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE NE REGION OF ROOM, 10 FT NORTH OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, NEAR THE NORTH	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
115	4	2-TR-ELSC	0	120V/220 CONTROL AND / 120/208VAC EMERGENCY LOCAL SHUTDOWN DISTRIBUTION TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NW CORNER OF THE ROOM, ON THE EAST WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
116	4	2-TR21A	0	ELECTRICAL DISTRIBUT / 600V BUS 21A SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
117	4	2-TR21B	0	ELECTRICAL DISTRIBUT / 600V BUS 21B SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
118	4	2-TR21C	0	ELECTRICAL DISTRIBUT / 600V BUS 21C SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, 15 FEET SOUTHWEST OF SOUTH PLANT LIGHTING TRANSFORMER #2-TR-LTG-9S	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
119	4	2-TR21D	0	ELECTRICAL DISTRIBUT / 600V BUS 21D SUPPLY TRANSFORMER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE SOUTHWEST CORNER OF THE ROOM, NEAR THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
120	16	2-8C-A	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER A FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY - 2 FEET SOUTH OF THE 'N' TRAIN BATTERY ROOM, NEAR THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
121	16	2-8C-AB1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB BATTERY CHARGER #1	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE NORTHWEST PART OF THE ROOM, 3 FEET SOUTH OF 600VAC MOTOR CONTROL CENTER #2-EZC-D	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
122	16	2-8C-AB2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB BATTERY CHARGER #2	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE MIDDLE NORTH PART OF THE ROOM, 15 FEET SOUTH OF 600VAC MOTOR CONTROL CENTER #2-EZC-D	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
123	16	2-8C-B	0	250VDC CONTROL AND INSTRUMENTATION / BATTERY CHARGER B FOR N-TRAIN BATTERY	AUXILIARY	633.00	633 HALLWAY - 10 FEET SOUTHWEST OF THE 'N' TRAIN BATTERY ROOM, NEAR THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
124	16	2-8C-CD1	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD BATTERY CHARGER #1	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN SOUTH END OF ROOM, NEAR THE WEST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
125	16	2-8C-CD2	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD BATTERY CHARGER #2	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN SOUTH END OF ROOM, NEAR THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
126	16	2-CRID-I-INV	0	120VAC CONTROL ROOM INSTRUMENTATION DISTRIBUTION SYSTEM / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL I INVERTER	AUXILIARY	609.00	INVERTER AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 20 FEET NORTHEAST OF THE ROOM'S ENTRANCE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas George G. Thomas 12/16/95 T.R. Satyan Sharma R. Satyan Sharma 12/20/95
 Print or Type Name Signature Date Print or Type Name Signature Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
127	16	2-CRID-II-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL II INVERTER	AUXILIARY	609.00	INVERTER AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 20 FEET NORTHEAST OF THE ROOM'S ENTRANCE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
128	16	2-CRID-III-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENTATION DISTRIBUTION SYSTEM CHANNEL III INVERTER	AUXILIARY	609.00	INVERTER AREA - IN THE SOUTHWEST CORNER OF THE ROOM, 15 FEET NORTH OF THE ROOM'S ENTRANCE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
129	16	2-CRID-IV-INV	0	120V CONTROL ROOM INSTRUMENTATION DISTR / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION SYSTEM CHANNEL IV INVERTER	AUXILIARY	609.00	CONTROL ROOM - IN THE SOUTHEAST PART OF THE ROOM, ON THE WEST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
130	16	2-DGAB-INV	0	DIESEL GENERATOR, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR OME-150-AB INVERTER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHEAST REGION OF THE ROOM, 10 FEET NORTHEAST OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
131	16	2-DGCD-INV	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR OME-150-CD INVERTER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE SOUTH PART OF THE ROOM, 10 FEET SOUTHWEST OF CD EMERGENCY DIESEL GENERATOR EXCITER #2-OME-150-CD-EXC	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date



107

108

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	2-OME-39	0	MAIN STEAM / AUXILIARY FEED PUMP TURBINE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE SW CORNER OF THE ROOM, 2 FT. WEST OF THE TDAFP 2-PP-4	591.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	5	12-PP-31S	0	SPENT FUEL PIT COOLI / SOUTH SPENT FUEL PIT PUMP	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM - IN THE SOUTHWEST REGION OF THE ROOM, 4 FEET SOUTH OF SOUTH SPENT FUEL PIT HEAT EXCHANGER #12-HE-16S, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
3	5	2-PP-10E	0	COMPONENT COOLING WA / EAST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY - IN THE MIDDLE SOUTH END OF THE HALLWAY, 30 FEET SOUTH OF EAST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15E, NEAR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	5	2-PP-10W	0	COMPONENT COOLING WA / WEST COMPONENT COOLING WATER PUMP	AUXILIARY	609.00	609 HALLWAY - IN THE SOUTHWEST END OF THE HALLWAY, NEAR THE WEST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	5	2-PP-26N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP	AUXILIARY	587.00	N SAFETY INJ PMP RM - IN THE CENTER OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	5	2-PP-26S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP	AUXILIARY	587.00	S SAFETY INJ PMP RM - IN THE MIDDLE OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	5	2-PP-3E	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE SOUTHWEST REGION OF THE ROOM	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	5	2-PP-3W	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP - IN THE SOUTH END OF THE ROOM	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	5	2-PP-4	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE CENTER OF THE ROOM	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	5	2-PP-46-3	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #3	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 15 FEET SOUTHEAST OF MIDDLE BORIC ACID STORAGE TANK #12-TK-12M, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	5	2-PP-46-4	0	BORON MAKEUP (CVCS) / BORIC ACID STORAGE TANKS TRANSFER PUMP #4	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 15 FEET SOUTHEAST OF MIDDLE BORIC ACID STORAGE TANK #12-TK-12M, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	5	2-PP-49	0	CHARGING (CVCS) / RECIPROCATING CHARGING PUMP	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - IN THE CENTER OF THE ROOM, 20 FEET SOUTHWEST OF THE ENTRANCE DOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	5	2-PP-50E	0	CHARGING (CVCS) / EAST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM - IN THE MIDDLE OF THE ROOM, 10 FEET SOUTH OF THE NORTH WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	5	2-PP-50W	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM - IN THE NORTH CENTER OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson
Print or Type Name

John D. Stevenson
Signature

12/11/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/11/95
Date

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
15	5	2-PP-82N	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - 5 FEET NORTH OF CONTROL ROOM VENTILATION NORTH A/C UNIT #2-HV-ACRA-1, NEAR THE NORTH WALL, 6 FEET EAST OF CONTROL	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	5	2-PP-82S	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER CIRCULATION PUMP	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - 6 FEET EAST OF CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER #2-HV-ACR-2, NEAR THE SOUTH WALL, 5 FEET WEST OF	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	6	2-PP-35E	0	RESIDUAL HEAT REMOVA / EAST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	EAST RHR PUMP RM - IN THE CENTER OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	6	2-PP-35W	0	RESIDUAL HEAT REMOVA / WEST RESIDUAL HEAT REMOVAL PUMP	AUXILIARY	573.00	WRHR PMP RM - IN THE CENTER OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	6	2-PP-7E	0	ESSENTIAL SERVICE WA / EAST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	E SSNTL. SERV WTR PMP RM - IN THE CENTER OF THE ROOM, ON THE PLATFORM, 7 FEET ABOVE THE FLOOR	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	6	2-PP-7W	0	ESSENTIAL SERVICE WA / WEST ESSENTIAL SERVICE WATER PUMP	SCREENHOUSE	591.00	WESSNTL. SERV WTR PMP RM - IN THE SOUTHEAST PART OF THE ROOM	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	6	2-PP-9E	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	E CONT SPRAY PMP RM - IN THE SOUTHEAST PART OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	6	2-PP-9W	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP	AUXILIARY	573.00	W CONT SPRAY PMP RM - IN THE CENTER OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

John D. Stevenson
Print or Type Name

John D. Stevenson
Signature

12/11/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/11/95
Date



120

SCREENING VERIFICATION DATA SHEET (SVDS)

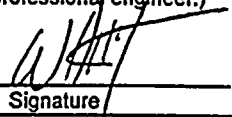
Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-DRV-407	0	1 MAIN STEAM LEADS CONDENSATION DRAIN TANK TK-200, OUTLET SHUTOFF VALVE	AUXILIARY	621.00	W MAIN STEAM STOP ENCLOSURE, 4' SW OF SG STOP VALVE #1-MRV-230, NEAR THE FLR.	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	No	No
2	7	2-FRV-245	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W2 AIR OPERATED TEST VALVE	TURBINE	591.00	WMTR DRIVEN AUX FDWTR PMP - 20 FEET NORTHWEST OF THE ROLLUP DOOR ENTRANCE, NEAR THE WEST WALL, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	2-FRV-247	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W EMERGENCY 1 AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	WMTR DRIVEN AUX FDWTR PMP - IN THE SOUTHWEST CORNER OF THE ROOM, 3 FEET SOUTHWEST OF THE ROOM'S ENTRANCE DOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	7	2-FRV-255	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E 2 AIR OPERATED TEST VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, 6 FEET NORTHWEST OF EAST MOTOR DRIVEN AUXILIARY FEED PUMP #2-PP-3E, 2 FEET ABOVE	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	7	2-FRV-256	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-42 AIR OPERATED TEST VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, 4 FEET NORTHWEST OF TURBINE DRIVEN AUXILIARY FEED PUMP #2-PP-4, NEAR THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	2-FRV-257	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E EMERGENCY 1 AIR OPERATED LEAKOFF VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, 6 FEET NORTHWEST OF EAST MOTOR DRIVEN AUXILIARY FEED PUMP #2-PP-3E,	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	7	2-FRV-258	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP EMERGENCY 1 AIR OPERATED LEAKOFF GLOBE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, NEAR THE WEST WALL, 6 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	7	2-MRV-221	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 5 FEET NORTH OF MAIN STEAM STOP VALVE #2-MRV-220, ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	7	2-MRV-222	0	MAIN STEAM / STEAM GENERATOR #2 STOP VALVE MRV-220 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 4 FEET NORTHEAST OF MAIN STEAM STOP VALVE #2-MMO-220, ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	7	2-MRV-223	0	MAIN STEAM / STEAM GENERATOR OME-3-2 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET NORTHEAST OF STEAM GENERATOR STOP VALVE #2-MRV-220, ON THE 647 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
11	7	2-MRV-231	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 3 FEET SOUTH OF STEAM GENERATOR STOP VALVE #2-MRV-230, ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	7	2-MRV-232	0	MAIN STEAM / STEAM GENERATOR #3 STOP VALVE MRV-230 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 2 FEET SOUTH OF STEAM GENERATOR STOP VALVE #2-MRV-230, ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
13	7	2-MRV-233	0	MAIN STEAM / STEAM GENERATOR OME-3-3 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 5 FEET NORTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-230, ON THE 647 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).


Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
 Print or Type Name


 Signature

12/13/95
 Date

Gunnar Harstead
 Print or Type Name


 Signature

12/12/95
 Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
14	7	2-SV-140-1	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUX FEED PUMP GOVERNOR OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - 2 FEET SOUTHEAST OF AUXILIARY FEED PUMP TURBINE #2-OME-39, NEAR THE SOUTH WALL, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
15	7	2-SV-140-2	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUX FEED PUMP OIL COOLER COOLING WATER INLET SAFETY VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - 2 FEET SOUTHEAST OF AUXILIARY FEED PUMP TURBINE #2-OME-39, NEAR THE SOUTH WALL, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
16	7	2-SV-169E	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUCTION SAFETY VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE MIDDLE SOUTH PART OF THE ROOM, NEAR THE SOUTH WALL, 4 FEET SOUTH OF EAST MOTOR DRIVEN AUXILIARY FEED PUMP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
17	7	2-SV-169W	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3W SUCTION SAFETY VALVE	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP - NEAR THE CENTER OF THE EAST WALL, 1 FOOT EAST OF WEST MOTOR DRIVEN AUXILIARY FEED PUMP #2-PP-3W, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
18	7	2-SV-1A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1A	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET WEST OF THE EAST WALL, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
19	7	2-SV-1A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1A	AUXILIARY	633.00	WMN STM STOP ENCL - 4 FEET SOUTHEAST OF STEAM GENERATOR #3 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
20	7	2-SV-1B-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 1B	AUXILIARY	633.00	WMN STM STOP ENCL - NORTHEAST AREA OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
21	7	2-SV-1B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 1B	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET SOUTHEAST OF STEAM GENERATOR #3 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
22	7	2-SV-2A-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 2A	AUXILIARY	633.00	WMN STM STOP ENCL - 8 FEET SOUTH OF THE NORTH WALL, 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
23	7	2-SV-2A-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2A	AUXILIARY	633.00	WMN STM STOP ENCL - 5 FEET SOUTH OF STEAM GENERATOR #3 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
24	7	2-SV-2B-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE 2B	AUXILIARY	633.00	WMN STM STOP ENCL - 8 FEET SOUTH OF THE NORTH WALL, 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
25	7	2-SV-2B-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE 2B	AUXILIARY	633.00	WMN STM STOP ENCL - 5 FEET SOUTH OF STEAM GENERATOR #3 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
26	7	2-SV-3-2	0	MAIN STEAM / STEAM GENERATOR OME-3-2 SAFETY VALVE #3	AUXILIARY	633.00	WMN STM STOP ENCL - 7 FEET NORTH OF THE SOUTH WALL, AT 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
27	7	2-SV-3-3	0	MAIN STEAM / STEAM GENERATOR OME-3-3 SAFETY VALVE #3	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET SOUTHWEST OF STEAM GENERATOR #3 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
28	7	2-WRV-711	0	ESSENTIAL SERVICE WATER / ESW TO CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER CONDENSER CONTROL VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE NORTHWEST CORNER OF THE ROOM, 1 FOOT EAST OF THE ROOM'S ENTRANCE GATE, NEAR THE NORTH WALL, 5 FEET ABOVE THE	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
29	7	2-WRV-712	0	ESSENTIAL SERVICE WATER / ESW TO CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER CONDENSER CONTROL VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE SOUTHWEST PART OF THE ROOM, ON THE EAST END OF CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/13/95
Date

Gunnar Harstead
Print or Type Name

Signature

12/12/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
30	7	2-WRV-763	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - NORTH OF EAST ESSENTIAL SERVICE WATER PUMP #2-PP-7E	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
31	7	2-WRV-764	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH OUTLET SHUTOFF	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - NORTH OF THE WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
32	7	2-WRV-768	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - 3 FEET FROM THE NORTHWEST CORNER OF EAST ESSENTIAL SERVICE WATER PUMP DISCHARGE STRAINER #2-OME-34E	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
33	7	2-WRV-769	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER WEST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - 3 FEET NORTHWEST OF WEST ESSENTIAL SERVICE WATER PUMP DISCHARGE STRAINER #2-OME-34W	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
34	7	2-WRV-773	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - 3 FEET NORTH OF EAST ESSENTIAL SERVICE WATER PUMP DISCHARGE STRAINER #2-OME-34E, EVEN WITH THE GRATING	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
35	7	2-WRV-774	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH OUTLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - IN THE NORTHEAST PART OF THE ROOM, NORTH OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
36	7	2-WRV-778	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - NORTH OF EAST ESSENTIAL SERVICE WATER PUMP #2-PP-7E, 3 FEET NORTH OF THE DUPLEX STRAINER	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
37	7	2-WRV-779	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE STRAINER EAST BASKET BACKWASH INLET SHUTOFF VALVE	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - IN THE NORTHEAST PART OF THE ROOM, NORTH OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
38	8	2-IMO-210	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 10 MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM - IN THE NORTHWEST PART OF THE ROOM, 6 FEET NORTHWEST OF EAST CONTAINMENT SPRAY PUMP #2-PP-9E, 6 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
39	8	2-IMO-211	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 10 MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM - IN THE NORTH END OF THE ROOM, 10 FEET NORTHWEST OF EAST CONTAINMENT SPRAY PUMP #2-PP-9E, 6 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

Gunnar Harstead
Print or Type Name

Signature

Date

[Handwritten Signature]

12/13/95

[Handwritten Signature] 12/12/95

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-IRV-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E 8 AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - IN THE NORTHEAST CORNER OF THE ROOM, 5 FEET FROM EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER #2-HE-17E, 2 FEET ABOVE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
2	7	2-IRV-311	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL HEAT EXCHANGERS BYPASS FLOW 8 AIR OPERATED CONTROL VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - IN THE NORTHWEST CORNER OF THE ROOM, 5 FEET NORTHWEST OF EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER #2-HE-17E, 5 FEET	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	2-IRV-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W 8 AIR OPERATED OUTLET FLOW CONTROL VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM - IN THE NORTHEAST REGION OF THE ROOM, 8 FEET NORTHEAST OF WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER #2-HE-17W, NEAR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	7	2-MRV-211	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - 3 FEET NORTH OF STEAM GENERATOR STOP VALVE #2-MRV-210, ON THE 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	2-MRV-212	0	MAIN STEAM / STEAM GENERATOR #1 STOP VALVE MRV-210 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - 3 FEET NORTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-210, ON THE 640 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	2-MRV-213	0	MAIN STEAM / STEAM GENERATOR OME-3-1 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE NORTHWEST REGION OF THE ROOM, 3 FEET SOUTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-210, ON THE 640 ELEVATION	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	7	2-MRV-241	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'A' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE SOUTHWEST PART OF THE ROOM, 3 FEET SOUTH OF STEAM GENERATOR STOP VALVE #2-MRV-240, AT THE 640 ELEVATION	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
8	7	2-MRV-242	0	MAIN STEAM / STEAM GENERATOR #4 STOP VALVE MRV-240 STEAM CYLINDER TRAIN 'B' DUMP VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE SOUTHWEST PART OF THE ROOM, 2 FEET SOUTH OF STEAM GENERATOR STOP VALVE #2-MRV-240, AT THE 640 ELEVATION	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
9	7	2-MRV-243	0	MAIN STEAM / STEAM GENERATOR OME-3-4 POWER OPERATED RELIEF VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE SOUTHWEST REGION OF THE ROOM, 2 FEET WEST OF STEAM GENERATOR STOP VALVE #2-MRV-240, AT THE 640 ELEVATION	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
10	7	2-QRV-400	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER QP-21 2 AIR OPERATED TO CVCS CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY - IN THE MIDDLE WEST REGION OF THE HALLWAY, NEAR THE WEST WALL, 3 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
11	7	2-QRV-451	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID BLENDER QP-21 TO REACTOR COOLANT LETDOWN VOLUME CONTROL TANK SHUTOFF VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY - ON THE 618 ELEVATION PLATFORM, 20 FEET NORTH OF THE ACCESS LADDER, ON THE WEST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
12	7	2-SV-104E	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET SAFETY VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - IN SOUTHEAST CORNER, 1 FOOT ABOVE DECK GRATING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	7	2-SV-104W	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET SAFETY VALVE	AUXILIARY	609.00	WRHR HEAT XCHGR RM - IN THE SOUTHEAST REGION OF THE ROOM, 3 FEET SOUTH OF WEST RHR HTX #2-HE-17W	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
14	7	2-SV-14E	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E SHELL SIDE SAFETY VALVE	AUXILIARY	609.00	E CONT SPRAY HEAT XCHGR RM - AT THE TOP OF THE EAST CONTAINMENT SPRAY HEAT EXCHANGER, ON THE EAST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
15	7	2-SV-14W	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER HE-18W SHELL SIDE SAFETY VALVE	AUXILIARY	609.00	W CONT SPRAY HEAT XCHGR RM - WEST SIDE OF THE WEST CONTAINMENT SPRAY HEAT EXCHANGER, 2 FEET BELOW THE CEILING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
16	7	2-SV-15E	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY - ON THE SOUTHEAST END OF UNIT 2 EAST CCW HEAT EXCHANGER	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
17	7	2-SV-15W	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER HE-15W TUBE SIDE SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY - AT THE SOUTH END OF UNIT 2 WEST CCW HEAT EXCHANGER	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
18	7	2-SV-1A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1A	AUXILIARY	633.00	E MAIN STM STOP ENCL - 4 FEET NORTHWEST OF STEAM GENERATOR #1 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
19	7	2-SV-1A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE #1A	AUXILIARY	633.00	E MAIN STM STOP ENCL - SOUTHWEST PART OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
20	7	2-SV-1B-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL - 5 FEET NORTH OF STEAM GENERATOR #1 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
21	7	2-SV-1B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 1B	AUXILIARY	633.00	E MAIN STM STOP ENCL - SOUTHWEST PART OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
22	7	2-SV-2A-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL - 5 FEET NORTH OF STEAM GENERATOR #1 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
23	7	2-SV-2A-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2A	AUXILIARY	633.00	E MAIN STM STOP ENCL - MIDDLE WEST PART OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
24	7	2-SV-2B-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL - 5 FEET NORTHEAST OF STEAM GENERATOR #1 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
25	7	2-SV-2B-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE 2B	AUXILIARY	633.00	E MAIN STM STOP ENCL - MIDDLE WEST PART OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
26	7	2-SV-3-1	0	MAIN STEAM / STEAM GENERATOR OME-3-1 SAFETY VALVE #3	AUXILIARY	633.00	E MAIN STM STOP ENCL - 6 FEET NORTHEAST OF STEAM GENERATOR #1 STOP VALVE, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
27	7	2-SV-3-4	0	MAIN STEAM / STEAM GENERATOR OME-3-4 SAFETY VALVE #3	AUXILIARY	633.00	E MAIN STM STOP ENCL - MIDDLE WEST PART OF THE ROOM, AT 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. CI	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
28	7	2-SV-54	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER HEAT EXCHANGER HE-11 SAFETY VALVE	AUXILIARY	609.00	SEAL WTR HEAT XCHGR RM - NORTHEAST AREA OF THE ROOM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
29	7	2-SV-68-15	0	CCW / RCP SEAL WATER HEAT EXCHANGER HE-11 CCW OUTLET SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY - ON THE SOUTHEAST WALL, SOUTH OF VOLUME CONTROL TANK REMOVABLE WALL, 7 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
30	7	2-SV-71	0	CCW / SOUTH SPENT FUEL PIT HEAT EXCHANGER 12-HE-16S CCW OUTLET SAFETY VALVE	AUXILIARY	609.00	SPENT FUEL PIT HEAT XCHGR RM - IN THE SOUTHERN REGION OF THE ROOM, NEAR THE EAST END OF THE SOUTH SPENT FUEL PIT HEAT EXCHANGER, 12 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
31	7	2-SV-72E	0	COMPONENT COOLING WATER / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	609.00	609 HALLWAY - 25 FEET EAST OF THE PASSENGER ELEVATOR DOORWAY, 18 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
32	7	2-SV-97	0	BORON INJECTION / BORON INJECTION TANK TK-11 OUTLET SAFETY VALVE	AUXILIARY	612.00	BORON INJ TANK RM - EAST OF THE TANK, ON THE WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
33	8	2-CMO-410	0	COMPONENT COOLING WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 10 FEET SOUTH OF THE NORTH END OF EAST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15E, ON THE EAST SIDE,	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
34	8	2-CMO-411	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 8 FEET SOUTHWEST OF EAST CCW PUMP #2-PP-10E, 8 FEET ABOVE THE FLOOR, ON THE 614 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
35	8	2-CMO-412	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 10 FEET SOUTHWEST OF CVCS MONITOR TANK #12-TK-14-4, 5 FEET NORTH OF THE SOUTH WALL, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
36	8	2-CMO-413	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS SUCTION CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 4 FEET SOUTH OF WEST CCW PUMP #2-PP-10W, 8 FEET ABOVE THE FLOOR, ON A PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
37	8	2-CMO-414	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER PUMPS DISCHARGE CROSSTIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 8 FEET SOUTHWEST OF CVCS MONITOR TANK #12-TK-14-4, 5 FEET NORTH OF THE SOUTH WALL, 2 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
38	8	2-CMO-415	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO MISCELLANEOUS SERVICE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 2 FEET WEST OF EAST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15E, 3 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
39	8	2-CMO-416	0	COMPONENT COOLING WATER / CCW TO MISCELLANEOUS SERVICE HEADER 'B' 16 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 15 FEET SOUTH OF NORTH END OF EAST CCW HEAT EXCHANGER #2-HE-15E, ON WEST SIDE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

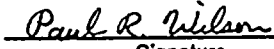
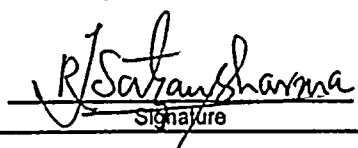
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
40	8	2-CMO-419	0	COMPONENT COOLING WATER / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 30 FEET EAST OF THE PASSENGER ELEVATOR DOORWAY, NEAR THE SOUTH WALL, 25 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
41	8	2-CMO-420	0	COMPONENT COOLING WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 3 FEET EAST OF WEST CCW HEAT EXCHANGER #2-HE-15W, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
42	8	2-FMO-211	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-1 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL - IN THE MIDDLE OF THE NORTH REGION OF THE ROOM, NEAR A CEMENT COLUMN, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
43	8	2-FMO-212	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-1 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL - IN THE MIDDLE OF THE NORTH END OF THE ROOM, NEAR A CEMENT COLUMN, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
44	8	2-FMO-241	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-4 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
45	8	2-FMO-242	0	AUXILIARY FEEDWATER / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP SUPPLY TO STEAM GENERATOR OME-3-4 4 INCH MOTOR OPERATED CONTROL VALVE	AUXILIARY	612.00	E MAIN STM STOP ENCL - IN THE SOUTH CENTRAL REGION OF THE ROOM, NEAR A CEMENT COLUMN, NEAR THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
46	8	2-ICM-250	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM - IN THE NORTHEAST PART OF THE ROOM, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
47	8	2-ICM-251	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' OUTLET CONTAINMENT ISOLATION VALVE	AUXILIARY	612.00	BORON INJ TANK OUTLET VLV RM - IN THE MIDDLE EAST PART OF THE ROOM, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
48	8	2-ICM-311	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO RC LOOPS #1 AND #4 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - 5 FEET SOUTH OF EAST RHR HEAT EXCHANGER #2-HE-17E, ON THE SOUTH WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
49	8	2-ICM-321	0	RESIDUAL HEAT REMOVAL / WEST RHR TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS CONTAINMENT ISOLATION VALVE	AUXILIARY	609.00	W RHR HEAT XCHGR RM - IN THE SOUTH REGION OF THE ROOM, 6 FEET SOUTH OF WEST RHR HEAT EXCHANGER #2-HE-17W, ON THE SOUTH WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
50	8	2-IMO-255	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'A' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM - 2 FEET NORTH OF BORON INJECTION TANK #2-TK-11, NEAR THE NORTH WALL, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
51	8	2-IMO-256	0	BORON INJECTION / BORON INJECTION TANK TRAIN 'B' INLET SHUTOFF VALVE	AUXILIARY	612.00	BORON INJ TANK RM - 2 FEET NORTH OF BORON INJECTION TANK #2-TK-11, NEAR THE NORTH WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

<u>Paul R. Wilson</u> Print or Type Name	 Signature	<u>12/16/95</u> Date	<u>T.R. Satvan Sharma</u> Print or Type Name	 Signature	<u>12/19/95</u> Date
---	--	-------------------------	---	--	-------------------------

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
52	8	2-IMO-312	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - 5 FEET NORTHEAST OF EAST RHR HEAT EXCHANGER #2-HE-17E, NEAR THE EAST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
53	8	2-IMO-314	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-35E DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - 5 FEET NORTH OF EAST RHR HEAT EXCHANGER #2-HE-17E, AGAINST THE NORTH WALL, AT THE 615 ELEVATION PLATFORM GRATING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
54	8	2-IMO-322	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET MINI-FLOW LINE SHUTOFF VALVE	AUXILIARY	609.00	WRHR HEAT XCHGR RM - IN THE EAST CORNER OF THE ROOM, AGAINST THE WALL, 5 FEET EAST OF WEST RHR HEAT EXCHANGER #2-HE-17W	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
55	8	2-IMO-324	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W DISCHARGE CROSSTIE SHUTOFF VALVE	AUXILIARY	609.00	WRHR HEAT XCHGR RM - 6 FEET NORTH OF WEST RHR HEAT EXCHANGER #2-HE-17W, AGAINST THE NORTH WALL, AT THE 615 PLATFORM GRATING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
56	8	2-IMO-330	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - IN THE SOUTHEAST CORNER OF THE ROOM, 5 FEET SOUTHEAST OF EAST RHR HEAT EXCHANGER #2-HE-17E	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
57	8	2-IMO-331	0	RESIDUAL HEAT REMOVAL / WEST RHR TO UPPER CONTAINMENT SPRAY SHUTOFF VALVE	AUXILIARY	609.00	WRHR HEAT XCHGR RM - IN THE SOUTHEAST CORNER OF THE ROOM, 6 FEET SOUTHEAST OF WEST RHR HEAT EXCHANGER #2-HE-17W, NEAR THE EAST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
58	8	2-IMO-340	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER TO CHARGING PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	609.00	E RHR HEAT XCHGR RM - 6 FEET NORTH OF EAST HEAT EXCHANGER #2-HE-17E, AT THE PLATFORM GRATING	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
59	8	2-IMO-350	0	RESIDUAL HEAT REMOVAL / WEST RHR HEAT EXCHANGER OUTLET TO SAFETY INJECTION PUMP SUCTION SHUTOFF VALVE	AUXILIARY	609.00	WRHR HEAT XCHGR RM - IN THE SOUTHWEST CORNER OF THE ROOM, 5 FEET SOUTHWEST OF WEST RHR HEAT EXCHANGER #2-HE-17W, NEAR THE WEST WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
60	8	2-MMO-210	0	MAIN STEAM / STEAM STOP VALVE MRV-210 STEAM CYLINDER DUMP 4 MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - 3 FEET NORTH OF STEAM STOP VALVE #2-MRV-210, ON 639 ELEVATION PLATFORM	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
61	8	2-MMO-240	0	MAIN STEAM / STEAM STOP VALVE MRV-240 STEAM CYLINDER DUMP VALVE 4 MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE MIDDLE SOUTH PART OF THE ROOM, AT THE 640 ELEVATION PLATFORM, 1 FOOT ABOVE THE GRATING	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
62	8	2-QMO-451	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'A' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY - ON THE WEST WALL, AT THE NORTH END OF THE HALLWAY, NORTHEAST OF VOLUME CONTROL TANK #2-TK-10	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
63	8	2-QMO-452	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 TO CVCS CHARGING PUMPS TRAIN 'B' SHUTOFF 4 MOTOR OPERATED VALVE	AUXILIARY	609.00	VOL CTRL TANK E HALLWAY - 6 FEET EAST OF VOLUME CONTROL TANK #2-TK-10, NEAR THE WEST WALL, 4 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date



6

6

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand. Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
64	8	2-WMO-714	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 3 FEET EAST OF UNIT 2 EAST AND WEST CONTAINMENT SPRAY HEAT EXCHANGER ROOM DOORWAY, ON THE SOUTHEAST CORNER OF THE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
65	8	2-WMO-718	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 30 FEET EAST OF THE PASSENGER ELEVATOR, ON THE 621 ELEVATION PLATFORM, NEAR THE SOUTH WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
66	8	2-WMO-732	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - AT THE NORTH END OF EAST CCW HEAT EXCHANGER #2-HE-15E, 10 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
67	8	2-WMO-734	0	ESSENTIAL SERVICE WATER / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - AT THE NORTH END OF 2 EAST CCW HEAT EXCHANGER #2-HE-15E, 8 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
68	8	2-WMO-736	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - ABOVE THE NORTH END OF WEST CCW HEAT EXCHANGER #2-HE-15W, 7 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
69	8	2-WMO-738	0	ESSENTIAL SERVICE WATER / WEST COMPONENT COOLING WATER HEAT EXCHANGER ESSENTIAL SERVICE WATER OUTLET SHUTOFF VALVE	AUXILIARY	609.00	609 HALLWAY - 1 FOOT ABOVE THE NORTH END OF WEST CCW HEAT EXCHANGER #2-HE-15W, 6 FEET ABOVE THE FLOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/19/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
40	8	2-IMO-212	0	CONTAINMENT SPRAY / EAST CONTAINMENT SPRAY PUMP PP-9E 2 MOTOR OPERATED DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM - IN THE MIDDLE WEST PART OF THE ROOM, 4 FEET NORTHWEST OF EAST CONTAINMENT SPRAY PUMP #2-PP-9E, 5 FEET ABOVE THE	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
41	8	2-IMO-215	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO EAST CONTAINMENT SPRAY PUMP PP-9E SUCTION 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	E CONT SPRAY PMP RM - IN THE SOUTH PART OF THE ROOM, ON THE SOUTH SIDE OF THE DIVDER WALL, ON THE 577 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
42	8	2-IMO-220	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W 10 MOTOR OPERATED DISCHARGE SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM - 5 FEET NORTHEAST OF WEST CONTAINMENT SPRAY PUMP #2-PP-9W, IN THE MIDDLE OF THE ROOM, 6 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
43	8	2-IMO-221	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE SHUTOFF 10 MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM - IN THE NORTH PART OF THE ROOM, 6 FEET NORTHEAST OF WEST CONTAINMENT SPRAY PUMP #2-PP-9W, 5 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
44	8	2-IMO-222	0	CONTAINMENT SPRAY / WEST CONTAINMENT SPRAY PUMP PP-9W DISCHARGE TO CONTAINMENT SPRAY ADDITIVE EDUCTOR SHUTOFF 2 MOTOR OPERATED VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM - IN THE NORTHEAST PART OF THE ROOM, 3 FEET NORTHEAST OF WEST CONTAINMENT SPRAY PUMP #2-PP-9W, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	8	2-IMO-225	0	CONTAINMENT SPRAY / REFUELING WATER STORAGE TANK TO WEST CONTAINMENT SPRAY PUMP PP-9W SUCTION 12 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	573.00	W CONT SPRAY PMP RM - IN THE SOUTH PART OF THE ROOM, ON THE SOUTH SIDE OF THE DIVDER WALL, 2 FEET ABOVE THE GRATING	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	8	2-IMO-310	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL PUMP PP-3SE SUCTION SHUTOFF VALVE	AUXILIARY	573.00	EAST RHR PUMP RM - IN THE SOUTHWEST PART OF THE ROOM, ON THE 577 ELEVATION PLATFORM, ON THE SOUTH SIDE OF THE DIVDER WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	8	2-IMO-320	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL PUMP PP-35W SUCTION SHUTOFF VALVE	AUXILIARY	573.00	W RHR PMP RM - 8 FEET SOUTH OF WEST RESIDUAL HEAT REMOVAL PUMP #2-PP-35W, 3 FEET SOUTH OF THE DIVDER WALL, IN THE SOUTHEAST CORNER OF	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	8	2-MCM-221	0	MAIN STEAM / MAIN STEAM LEAD #2 TO AUXILIARY FEED PUMP TURBINE 4 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET WEST OF THE EAST WALL, ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	8	2-MCM-231	0	MAIN STEAM / MAIN STEAM LEAD #3 TO AUXILIARY FEED PUMP TURBINE 4 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 3 FEET EAST OF STEAM GENERATOR #3 STOP VALVE ON THE 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	8	2-MMO-220	0	MAIN STEAM / STEAM STOP VALVE MRV-220 STEAM CYLINDER DUMP 4 MOTOR OPERATED VALVES SELECTOR VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 10 FEET SOUTH OF THE NORTH WALL, IN THE CENTER OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

Gunnar Harstead
Print or Type Name

Signature

Date

12/13/95

Gunnar Harstead 12/12/95



22

23

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Buildng.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
51	8	2-WMO-230	0	MAIN STEAM / STEAM STOP VALVE MRV-230 STEAM CYLINDER DUMP VALVES 4 MOTOR OPERATED SELECTOR VALVE	AUXILIARY	633.00	WMN STM STOP ENCL - 2 FEET SOUTHWEST OF STEAM STOP VALVE #2-MTR-230, ON 639 ELEVATION PLATFORM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	8	2-QT-506	0	MAIN STEAM / TURBINE DRIVEN AUX FEED PUMP PP-4 TRIP AND THROTTLE VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - 3 FT. NW OF THE AUX FEED PUMP TURBINE 2-OME-39, 6 FT ABOVE THE FLOOR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	8	2-WMO-703	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - 20 FEET NORTHEAST OF EAST ESSENTIAL SERVICE WATER PUMP #2-PP-7E	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	8	2-WMO-704	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER PUMP PP-7W DISCHARGE SHUTOFF VALVE	SCREENHOUSE	591.00	WESSNTL SERV WTR PMP RM - IN THE MIDDLE NORTH PART OF THE ROOM, 5 FEET NORTHWEST OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
55	8	2-WMO-706	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN - 35 FEET SOUTHEAST OF THE MIDDLE WATERTIGHT DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	8	2-WMO-708	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER CROSSTIE TO UNIT 1 SHUTOFF VALVE	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN - 35 FEET SOUTH OF THE MIDDLE WATERTIGHT DOOR, 5 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	8	2-WMO-722-AB	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL - IN THE SOUTHWEST PART OF THE ROOM, 20 FEET EAST OF THE CD EMERGENCY DIESEL GENERATOR DOORWAY, NEAR THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	8	2-WMO-724-AB	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO AB EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL - IN THE NORTHWEST REGION OF THE ROOM, 25 FEET EAST OF THE CD EMERGENCY DIESEL GENERATOR ROOM NORTH DOORWAY, NEAR THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
59	8	2-WMO-726-CD	0	ESSENTIAL SERVICE WATER / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL - IN THE SOUTHWEST PART OF THE TUNNEL, 10 FEET EAST OF CD EMERGENCY DIESEL GENERATOR DOORWAY, NEAR THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	8	2-WMO-728-CD	0	ESSENTIAL SERVICE WATER / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER TO CD EMERGENCY DIESEL HEAT EXCHANGERS SHUTOFF VALVE	AUXILIARY	587.00	2CD DSL RM N PIPE TUNNEL - IN THE SOUTHWEST PART OF THE ROOM, 15 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, NEAR THE SOUTH	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
61	8	2-WMO-744	0	AUXILIARY FEED WATER / ESW TO WEST MOTOR DRN AUX FEED PUMP PP-3W SHUTOFF 4 MOTOR OPERATED VALVE	TURBINE	591.00	WMTR DRIVEN AUX FDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, 3 FEET NORTHWEST OF WEST MOTOR DRIVEN AUXILIARY FEED PUMP #2-PP-3W	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
62	8	2-WMO-753	0	AUXILIARY FEED WATER / ESW TO TURB DRIVEN AUX FEED PUMP PP-4 SHUTOFF 6 MOTOR OPERATED VALVE	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE MIDDLE NORTH REGION OF THE ROOM, 6 FEET NORTHEAST OF AUXILIARY FEED PUMP TURBINE #2-OME-39, 5 FEET ABOVE THE	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

Gunnar Harstead
Print or Type Name

Signature

Date

[Handwritten Signature]

12/13/95

[Handwritten Signature] 12/12/95

SCREENING VERIFICATION DATA SHEET (SVDS)

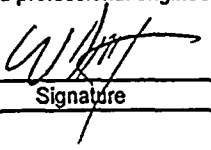
Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
63	8	2-WMO-754	0	ESSENTIAL SERVICE WATER / ESSENTIAL SERVICE WATER TO EAST MOTOR DRIVEN AUXILIARY FEED PUMP PP-3E SHUTOFF 4 MOTOR OPERATED VALVE	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE MIDDLE OF THE NORTH PART OF THE ROOM, 5 FEET NORTH OF EAST MOTOR DRIVEN AUXILIARY FEED PUMP #2-PP-3E, 4 FEET ABOVE	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).


Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

Gunnar Harstead
Print or Type Name


Signature

12/12/95
Date

Rem	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-HV-SGR-MD-1	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION RECIRCULATING AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST PART OF THE ROOM, 4 FEET ABOVE 600V SWITCHGEAR #2-21A, 10 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	2-HV-SGR-MD-2	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION OUTSIDE AIR INLET DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST PART OF THE ROOM, 4 FEET ABOVE 600V SWITCHGEAR #2-21A, IN THE CEILING	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	2-SV-94N	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING NORTH CHILL WATER EXPANSION TANK TK-76N SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - 3 FEET EAST OF THE ROOM'S ENTRANCE GATE, ON THE NORTH WALL, 7 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	7	2-SV-94S	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING SOUTH CHILL WATER EXPANSION TANK TK-76S SAFETY VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE SOUTHWEST AREA OF THE ROOM, NEAR THE SOUTH WALL, 8 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	2-VRV-315	0	CONTROL ROOM AIR CON / CONTROL ROOM VENTILATION UNIT HV-ACRA-1 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE NORTH PART OF THE ROOM, 4 FEET WEST OF CONTROL ROOM AIR HANDLING SUBPANEL #2-ACRA-1, 3 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	2-VRV-325	0	CONTROL ROOM AIR CON / CONTROL ROOM VENTILATION UNIT HV-ACRA-2 CHILL WATER INLET/BYPASS VALVE	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE SOUTHEAST PART OF THE ROOM, 3 FEET WEST OF CONTROL ROOM AIR HANDLING SUBPANEL #2-ACRA-2, ON THE SOUTH WALL	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	8	2-HV-DGS-DCD	0	DIESEL ROOM VENTILAT / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	586.00	REACTOR CABLE TUNN, QUAD 3 - IN THE NORTHWEST REGION OF THE ROOM, 7 FEET NORTH OF REACTOR CABLE TUNNEL QUAD #3 MIDDLE/NORTH SECTION FIRE DOOR #2-DR-AUX326, 7 FT. UP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	8	2-HV-SGR-MD-4	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWITCHGEAR TRANSFORMERS AREA VENTILATION SUPPLY FAN HV-SGRS-7 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE MIDDLE EAST REGION OF THE ROOM, 12 FEET SOUTHEAST OF 600V TRANSFORMER #2-TR21D, 11 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	8	2-HV-SGR-MD-5	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN HV-SGRS-9 VENT DAMPER	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA -	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	9	12-HV-ESW-1	0	SCREENHOUSE VENTILAT / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - IN THE NORTHEAST CORNER OF THE ROOM, 15 FEET NORTHEAST OF EAST ESSENTIAL SERVICE WATER PUMP #2-PP-7E, 13 FEET ABOVE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	9	12-HV-ESW-2	0	SCREENHOUSE VENTILAT / UNIT 2 EAST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - IN THE NORTHWEST CORNER OF THE ROOM, 15 FEET NORTHEAST OF EAST ESSENTIAL SERVICE WATER PUMP #2-PP-7E, 13 FEET ABOVE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/11/95
Date

Gunnar Harstead
Print or Type Name

Gunnar Harstead
Signature

12/12/95
Date



22

21

2

2

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
12	9	12-HV-ESW-3	0	SCREENHOUSE VENTILAT / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	WESSNTL SERV WTR PMP RM - IN THE NORTHEAST CORNER OF THE ROOM, 15 FEET NORTHWEST OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W, 13 FEET ABOVE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
13	9	12-HV-ESW-4	0	SCREENHOUSE VENTILAT / UNIT 2 WEST ESSENTIAL SERVICE WATER PUMP ROOM SUPPLY VENTILATION FAN	SCREENHOUSE	591.00	WESSNTL SERV WTR PMP RM - IN THE NORTHWEST CORNER OF THE ROOM, 15 FEET NORTHWEST OF WEST ESSENTIAL SERVICE WATER PUMP #2-PP-7W, 13 FEET ABOVE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	9	2-HV-AES-1	0	AUXILIARY BUILDING V / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT 1	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTHEAST OF STEAM GENERATOR NORMAL BLOWDOWN FLASH TANK 2-TK-99	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
15	9	2-HV-AES-2	0	AUXILIARY BUILDING V / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST UNIT	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTHWEST OF SGBD FLASHTANK 2-TK-99	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
16	9	2-HV-AFP-BRE-1	0	AUXILIARY BUILDING V / TRAIN 'N BATTERY ROOM EAST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM - IN THE SOUTHEAST REGION OF THE ROOM, ON THE SOUTH WALL OF THE N-TRAIN BATTERY ROOM, NEAR THE EAST WALL, 6 FEET ABOVE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	9	2-HV-AFP-BRE-2	0	AUXILIARY BUILDING V / TRAIN 'N BATTERY ROOM WEST EXHAUST FAN	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM - IN THE SOUTHEAST REGION OF THE ROOM, ON THE SOUTH WALL OF THE N-TRAIN BATTERY ROOM, 6 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	9	2-HV-AFP-M1	0	TURBINE BUILDING VEN / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, ON THE WEST WALL, 12 FEET ABOVE THE FLOOR	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	9	2-HV-AFP-M2	0	TURBINE BUILDING VEN / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM SUPPLY FAN	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - IN THE SOUTHEAST CORNER OF THE ROOM, ON THE SOUTH WALL, 12 FEET ABOVE THE FLOOR	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	9	2-HV-AFP-T1	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE NORTHWEST CORNER OF THE ROOM, ON THE WEST WALL, 12 FEET ABOVE THE FLOOR	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	9	2-HV-AFP-T2	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN THE SOUTHWEST CORNER OF THE ROOM, 4 FEET WEST OF AUX FEED PUMP TURBINE #2-OME-39, ON THE WEST WALL, 12 FEET ABOVE THE FLOOR	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	9	2-HV-AFP-X1	0	TURBINE BUILDING VEN / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM EAST EXHAUST FAN	TURBINE	591.00	WMTR DRIVEN AUX FDWTR PMP - IN THE NORTHEAST REGION OF THE ROOM, ON THE NORTH WALL, 8 FEET NORTH OF WEST MOTOR DRIVEN AUX FEEDWATER PUMP #2-PP-3W,	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	9	2-HV-AFP-X2	0	TURBINE BUILDING VEN / WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM WEST EXHAUST FAN	TURBINE	591.00	TB 591 ELEV BASMNT - ON THE NORTH WALL OF THE WEST MOTOR DRIVEN AUXILIARY FEED PUMP ROOM, 4 FEET SOUTHEAST OF THE EAST UNIT DIVIDING	591.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/11/95
Date

Gunnar Harstead
Print or Type Name

Gunnar Harstead
Signature

12/12/95
Date

DC COLONY UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
24	9	2-HV-SGRS-1A	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST PART OF THE ROOM, 5 FEET WEST OF 600V SWITCHGEAR #2-21A, 13 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
25	9	2-HV-SGRS-2	0	AUXILIARY BUILDING V / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE NORTHWEST CORNER OF THE ROOM, 7 FEET SOUTH OF THE ROOM'S ENTRANCE, 12 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
26	9	2-HV-SGRS-3	0	AUXILIARY BUILDING V / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE NORTHEAST CORNER OF THE ROOM, ON THE NORTH WALL, 12 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
27	9	2-HV-SGRS-4A	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIPMENT ROOM AND INVERTER AREA VENTILATION SOUTH SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST PART OF THE ROOM, 3 FEET SOUTH OF 600V SWITCHGEAR #2-21A, 14 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
28	9	2-HV-SGRS-7	0	AUXILIARY BUILDING V / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21B AND TR21D AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE MIDDLE EAST PART OF THE ROOM, 10 FEET NORTH OF 600V TRANSFORMER #2-TR21D, 14 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
29	9	2-HV-SGRS-8	0	AUXILIARY BUILDING V / 4KV ROOM 600 VOLT SWITCHGEAR TRANSFORMERS TR21A AND TR21C AREA VENTILATION SUPPLY FAN	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE MIDDLE WEST PART OF THE ROOM, 5 FEET NORTH OF 600V SUPPLY TRANSFORMER #2-TR21A, 14 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
30	9	2-HV-SGRS-9	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENTILATION SUPPLY FAN	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE MIDDLE NORTH REGION AREA, 1 FOOT WEST OF PLANT BATTERY CONTROL PANEL #2-BC-AB, 9 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
31	9	2-HV-SGRX-2	0	AUXILIARY BUILDING V / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA - IN THE SOUTHEAST CORNER OF THE ROOM, 2 FEET SOUTH OF 4KV SWITCHGEAR #2-T21A, 10 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
32	9	2-HV-SGRX-3	0	AUXILIARY BUILDING V / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION EXHAUST FAN	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA - IN THE SOUTHWEST CORNER OF THE ROOM, CEILING MOUNTED, 14 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
33	9	2-HV-SGRX-5	0	AUXILIARY BUILDING V / AB BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	609.00	AB BATTERY EQUIP AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM, NEAR THE CEILING	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
34	9	2-HV-SGRX-6	0	AUXILIARY BUILDING V / CD BATTERY EQUIPMENT AREA BATTERY ROOM VENTILATION EXHAUST FAN	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE SOUTHWEST CORNER OF THE ROOM, NEAR THE CEILING	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
35	10	2-HV-ACRA-1	0	CONTROL ROOM VENTILA / CONTROL ROOM VENTILATION NORTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE NORTHWEST PART OF THE ROOM, 10 FEET SOUTHEAST OF THE UNIT 2 CONTROL ROOM AIR CONDITIONING ROOM DOORWAY	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
36	10	2-HV-ACRA-2	0	CONTROL ROOM VENTILA / CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING UNIT	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE MIDDLE SOUTH REGION OF THE ROOM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/11/95
Date

Gunnar Harstead
Print or Type Name


Signature

12/12/95
Date

DC COORDINATE UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
37	10	2-HV-AES-1 (FLT)	0	AUXILIARY BUILDING V / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
38	10	2-HV-AES-2 (FLT)	0	AUXILIARY BUILDING V / AUXILIARY BUILDING VENTILATION ENGINEERED SAFETY FEATURE EXHAUST AIR FILTER	AUXILIARY	633.00	NORM BLOWDOWN FLASHTANK RM -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
39	11	2-HV-ACR-1	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE NORTHWEST PART OF THE ROOM, ON THE NORTH WALL, 4 FEET NORTHWEST OF CONTROL ROOM VENTILATION NORTH AIR CONDITIONING	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
40	11	2-HV-ACR-2	0	CONTROL ROOM AIR CON / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE SOUTH WALL, 5 FEET SOUTHWEST OF CONTROL ROOM VENTILATION SOUTH AIR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	Yes	No
41	11	2-HE-63N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER HV-ACR-1 EVAPORATOR	AUXILIARY	650.00	CONTROL RM, A/C RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
42	11	2-HE-63S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER HV-ACR-2 EVAPORATOR	AUXILIARY	650.00	CONTROL RM, A/C RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
43	11	2-HE-64N	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING NORTH LIQUID CHILLER HV-ACR-1 CONDENSER	AUXILIARY	650.00	CONTROL RM, A/C RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
44	11	2-HE-64S	0	CONTROL ROOM AIR CONDITIONING CHILL WATER / CONTROL ROOM AIR CONDITIONING SOUTH LIQUID CHILLER HV-ACR-2 CONDENSER	AUXILIARY	650.00	CONTROL RM, A/C RM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
45	8	2-HV-SGR-MD-3	0	AUXILIARY BUILDING V / 4KV RM 600 VOLT SWITCHGEAR XFORMERS TR21A & TR21C AREA VENT SUPPLY FAN HV-SGRS-8 SUCTION DAMPER	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE SOUTHWEST REGION OF THE ROOM, ON 600V SWITCHGEAR TRANSFORMERS AREA	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/14/95
Date

Gunnar Harstead
Print or Type Name

Gunnar Harstead
Signature

12-12-95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Eqp. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
1	18	2-CLI-113	0	CONDENSATE STORAGE T / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL - IN THE SOUTHEAST AREA OF THE PIPE TUNNEL, 2 FEET SOUTH OF THE CONDENSATE STORAGE TANK ACCESS LADDER, 5 FEET ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	18	2-CLI-114	0	CONDENSATE STORAGE T / CONDENSATE STORAGE TANK TK-32 LEVEL INDICATOR TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL - IN THE SOUTHEAST AREA OF THE PIPE TUNNEL, 5 FEET SOUTH OF THE CONDENSATE STORAGE TANK ACCESS LADDER, 5 FEET ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	18	2-CPS-410	0	COMPONENT COOLING WA / EAST COMPONENT COOLING WATER PUMP PP-10E DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	609 HALLWAY - 4 FEET EAST OF EAST CCW PUMP #2-PP-10E	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	18	2-CPS-420	0	COMPONENT COOLING WA / WEST COMPONENT COOLING WATER PUMP PP-10W DISCHARGE PRESSURE SWITCH	AUXILIARY	609.00	609 HALLWAY - 4 FEET EAST OF WEST COMPONENT COOLING WATER PUMP #2-PP-10W	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	18	2-FFI-210	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-1 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL - ON THE NORTHWEST CORNER OF THE ROOM, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	18	2-FFI-220	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-2 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	WMN STM STOP ENCL - 14 FEET SOUTHEAST OF THE STAIRWAY, 4 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	18	2-FFI-230	0	AUXILIARY FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-3 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	WMN STM STOP ENCL - 5 FEET SOUTH OF THE BOTTOM OF STEAM STOP VALVE #3	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	18	2-FFI-240	0	FEEDWATER / AUXILIARY FEEDWATER TO STEAM GENERATOR OME-3-4 FLOW INDICATOR TRANSMITTER	AUXILIARY	621.00	E MAIN STM STOP ENCL - ON THE SOUTH WALL, 15 FEET SOUTHWEST OF THE STAIRWAY, 5 FEET ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	18	2-4FI-310	0	RESIDUAL HEAT REMOVA / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 7 FEET EAST OF THE CONTAINMENT SPRAY HEAT EXCHANGER ROOM DOORWAY, ON THE SOUTH WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	18	2-4FI-311	0	RESIDUAL HEAT REMOVA / EAST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17E OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 2 FEET EAST OF THE RESIDUAL HEAT REMOVAL HEAT EXCHANGER ROOM DOORWAY, ON THE SOUTH WALL, 4 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	18	2-4FI-320	0	RESIDUAL HEAT REMOVA / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET LOW RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 8 FEET WEST OF THE RESIDUAL HEAT REMOVAL HEAT EXCHANGER ROOM DOORWAY, NEAR THE SOUTH WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

Signature

Date

Paul R. Wilson
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Signature

12/19/95
Date

Paul R. Wilson
Signature

12/16/95
Date



8

2

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
12	18	2-IFI-321	0	RESIDUAL HEAT REMOVA / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER HE-17W OUTLET HIGH RANGE FLOW INDICATOR TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 2 FEET EAST OF THE PASSENGER ELEVATOR, NEAR THE SOUTH WALL, 4 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	18	2-IFI-335	0	RESIDUAL HEAT REMOVA / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS FLOW INDICATOR TRANSMITTER	AUXILIARY	591.00	VESTIBULE - 3 FEET NORTH OF VESTIBULE DOORWAY	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	18	2-ILS-950	0	REFUELING WATER STOR / REFUELING WATER STORAGE TANK TK-33 EXTREME LOW LEVEL TRANSMITTER	AUXILIARY	586.00	STORAGE TANK PIPE TUNNEL - IN THE SOUTHEAST AREA OF THE PIPE TUNNEL, 9 FEET EAST OF THE REFUELING WATER STORAGE TANK ACCESS LADDER, 7 FEET ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	18	2-ILS-951	0	REFUELING WATER STOR / REFUELING WATER STORAGE TANK TK-33 LEVEL TRANSMITTER	AUXILIARY	588.00	STORAGE TANK PIPE TUNNEL - IN THE SOUTHEAST AREA OF THE PIPE TUNNEL, 5 FEET EAST OF THE REFUELING WATER STORAGE TANK ACCESS LADDER, 7 FEET ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	18	2-MPP-210	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL - 4 FEET SOUTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-210, ON THE WEST WALL, AT THE 647 ELEVATION PLATFORM, ENCASED IN	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	18	2-MPP-212	0	MAIN STEAM / STEAM GENERATOR OME-3-1 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE NORTHWEST PART OF THE ROOM, 15 FEET NORTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-210, ON THE 647 ELEVATION	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	18	2-MPP-220	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL I STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	WMN STM STOP ENCL - 12 FEET EAST OF STEAM GENERATOR STOP VALVE #2-MRV-220, ON THE CONTAINMENT WALL, ON THE 653 ELEVATION PLATFORM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	18	2-MPP-222	0	MAIN STEAM / STEAM GENERATOR OME-3-2 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	WMN STM STOP ENCL - 14 FEET NORTHEAST OF STEAM GENERATOR STOP VALVE #2-MRV-220, AT THE CONTAINMENT WALL, 1 FOOT ABOVE THE 653 ELEVATION	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	18	2-MPP-230	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL I STEAMPRESSURE TRANSMITTER	AUXILIARY	633.00	WMN STM STOP ENCL - 6 FEET NORTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-230, ON THE 653 ELEVATION PLATFORM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	18	2-MPP-232	0	MAIN STEAM / STEAM GENERATOR OME-3-3 CHANNEL III REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	WMN STM STOP ENCL - 10 FEET SOUTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-230, ON THE 653 ELEVATION PLATFORM	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	18	2-MPP-240	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL I STEAMPRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE NORTHWEST PART OF THE ROOM, 3 FEET NORTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-240, AT THE 647 ELEVATION	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	18	2-MPP-242	0	MAIN STEAM / STEAM GENERATOR OME-3-4 CHANNEL IV REACTOR PROTECTION INPUT STEAM PRESSURE TRANSMITTER	AUXILIARY	633.00	E MAIN STM STOP ENCL - IN THE SOUTHWEST PART OF THE ROOM, 15 FEET SOUTHWEST OF STEAM GENERATOR STOP VALVE #2-MRV-240, AT THE 647 ELEVATION	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

Signature

Date

Paul R. Wilson
Print or Type Name

Signature

Date

T.R. Satyan Sharma 12/19/95

Paul R. Wilson 12/16/95



20

21

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. CI	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
24	18	2-PPP-301	0	CONTAINMENT VENTILAT / LOWER CONTAINMENT CHANNEL III PRESSURE TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA - 10 FT. SE OF THE 612 AIRLOCK, NEAR THE CONTAINMENT WALL, 6 FT. ABOVE THE FLOOR	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
25	18	2-PPP-302	0	CONTAINMENT VENTILAT / LOWER CONTAINMENT CHANNEL II PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA - IN THE SOUTHEAST REGION OF THE ROOM, NEAR THE CONTAINMENT WALL, 10 FEET EAST OF THE 612 AIRLOCK DOORWAY, 3 FEET ABOVE	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
26	18	2-PPP-303	0	CONTAINMENT VENTILAT / LOWER CONT CHANNEL I PRESSURE PROTECTION TRANSMITTER	AUXILIARY	612.00	612 AIRLOCK AREA - IN THE SOUTHEAST REGION OF THE ROOM, 1 FOOT SOUTH OF CPN-96	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes
27	18	2-QFA-210	0	REACTOR COOLANT PUMP / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-1 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 12 FEET EAST OF THE DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK ROOM, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
28	18	2-QFA-220	0	REACTOR COOLANT PUMP / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-2 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 15 FEET EAST OF THE DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK ROOM, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
29	18	2-QFA-230	0	REACTOR COOLANT PUMP / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-3 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 17 FEET EAST OF THE DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK ROOM, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
30	18	2-QFA-240	0	REACTOR COOLANT PUMP / RCP SEAL WATER INJECTION TO REACTOR COOLANT PUMP PP-45-4 LOW FLOW ALARM TRANSMITTER	AUXILIARY	587.00	587 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 10 FEET EAST OF THE DOORWAY TO THE STARTUP BLOWDOWN FLASHTANK ROOM, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
31	18	2-QFI-200	0	CHARGING (CVCS) / CVCS CHARGING PUMPS DISCHARGE FLOW INDICATOR TRANSMITTER	AUXILIARY	587.00	587 HALLWAY - IN THE MIDDLE EAST REGION OF THE HALLWAY, 2 FEET WEST OF THE RECIPROCATING CHARGING PUMP ROOM REMOVABLE WALL, ON THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
32	18	2-QLC-451	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 EXTREME HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 15 FEET EAST OF THE SOUTH END OF UNIT 1 EAST COMPONENT COOLING WATER HEAT EXCHANGER #1-HE-15E, ON THE EAST WALL, 5	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
33	18	2-QLC-452	0	LETDOWN (CVCS) / REACTOR COOLANT LETDOWN VOLUME CONTROL TANK TK-10 HIGH LEVEL CONTROL TRANSMITTER	AUXILIARY	609.00	609 HALLWAY - 15 FEET EAST OF THE SOUTH END OF UNIT 1 EAST COMPONENT COOLING WATER HEAT EXCHANGER #1-HE-15E, ON A NORTH WALL, 6	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
34	18	2-WDS-703	0	ESSENTIAL SERVICE WA / EAST ESSENTIAL SERVICE WATER PUMP PP-7E DISCHARGE STRAINER OME-34E HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	E SSNTL SERV WTR PMP RM - IN THE NORTHWEST REGION OF ROOM, ON THE WEST WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
35	18	2-WDS-704	0	ESSENTIAL SERVICE WA / WEST ESSENTIAL SERVICE WATER PUMP 99-7W DISCHARGE STRAINER OME-34W HIGH DIFFERENTIAL PRESSURE SWITCH	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - ON THE EAST WALL, IN THE NORTH END OF THE ROOM	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

Signature

Date

Paul R. Wilson
Print or Type Name

Signature

Date

T.R. Satyan Sharma 12/20/95

Paul R. Wilson 12/16/95



12

13

14

15

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
36	18	2-WPS-702	0	ESSENTIAL SERVICE WA / EAST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN - IN THE MIDDLE REGION OF THE ROOM, ON THE EAST WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
37	18	2-WPS-706	0	ESSENTIAL SERVICE WA / WEST ESSENTIAL SERVICE WATER SUPPLY HEADER PRESSURE SWITCH	TURBINE	569.00	ESSNTL SERV WTR PIPE TUNN - IN THE MIDDLE REGION OF THE ROOM, ON THE EAST WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes
38	19	2-CTR-415	0	COMPONENT COOLING WA / EAST COMPONENT COOLING WATER HEAT EXCHANGER HE-15E CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	609 HALLWAY - 1 FOOT EAST OF THE NORTH END OF EAST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15E, 7 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
39	19	2-CTR-425	0	COMPONENT COOLING WA / WEST COMPONENT COOLING WATER HEAT EXCHANGER CCW OUTLET TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	609 HALLWAY - 1 FOOT EAST OF THE NORTH END OF WEST COMPONENT COOLING WATER HEAT EXCHANGER #2-HE-15W, 7 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
40	19	2-TR-335	0	RESIDUAL HEAT REMOVA / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS TEMPERATURE RECORDER THERMAL SENSOR	AUXILIARY	609.00	E RHR HEAT XCHGR RM - 3 FEET FROM THE SOUTH END OF THE ROOM, UNDER THE GRATING, 3 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
41	19	2-VTS-201	0	TURBINE BUILDING VEN / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM EXHAUST FAN HV-AFP-M1	TURBINE	591.00	E MTR DRIV AUX FEEDWTR PMP - 8 FEET SOUTHWEST OF EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP 2-PP-3E, ON WEST WALL	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
42	19	2-VTS-203	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM NORTH EXHAUST FAN HV-AFP-T1	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN SOUTHEAST REGION OF ROOM, 6 FEET SOUTH OF TURBINE DRIVEN AUXILIARY FEED PUMP 2-PP-4	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
43	19	2-VTS-204	0	TURBINE BUILDING VEN / TURBINE DRIVEN AUXILIARY FEED PUMP ROOM SOUTH EXHAUST FAN HV-AFP-T2	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - IN NORTHEAST REGION OF ROOM, 8 FEET NORTH OF TURBINE DRIVEN AUXILIARY FEED PUMP 2-PP-4	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
44	19	2-VTS-206	0	TURBINE BUILDING VEN / WEST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP ROOM WEST EXHAUST FAN HV-AFP-X2	TURBINE	591.00	W MTR DRIVEN AUX FDWTR PMP - IN NORTHWEST CORNER OF ROOM, ON SOUTH WALL, 5 FEET ABOVE THE FLOOR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
45	19	2-VTS-340	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 OUTSIDE AIR THERMOSTAT	GROUND	609.00	REFUEL WTR STOR TANK AREA - 50 FEET NORTHWEST OF REFUELING WATER STORAGE TANK #2-TK-33, ACCESSIBLE FROM A MANHOLE NEAR THE 609 ELEVATION AIR INTAKE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes
46	19	2-VTS-345	0	DIESEL ROOM VENTILAT / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR THERMOSTAT	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 3 - IN THE MIDDLE WEST REGION OF THE ROOM, 5 FEET NORTH OF REACTOR CABLE TUNNEL QUAD #3 MIDDLE/NORTH SECTION FIRE DOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma 12/20/95
Signature Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
47	19	2-VTS-350	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA - IN THE SOUTHEAST REGION OF THE ROOM, 12 FEET NORTHEAST OF THE ROOM'S ACCESS DOOR, ON THE EAST WALL, 4 FEET ABOVE THE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	19	2-VTS-351	0	AUXILIARY BUILDING V / CONTROL ROD DRIVE EQUIP ROOM AND INV AREA VENT NORTH SUPPLY FAN HV-SGRS-1A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	19	2-VTS-352	0	AUXILIARY BUILDING V / 4KV ROOM 600 VOLT SWITCHGEAR XFRMS TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMPERATURE SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTHWEST OF 600VAC SUPPLY TRANSFORMER #2-TR21A, ON THE WEST WALL, 5 FEET	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	19	2-VTS-353	0	AUXILIARY BUILDING V / 600VAC MOTOR CONTROL CENTER MEZZANINE AREA VENT SUPPLY FAN HV-SGRS-9 TEMPERATURE SWITCH	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE MIDDLE WEST REGION OF THE ROOM, 20 FEET NORTH OF THE SOUTH ACCESS STAIRS, ON THE WEST WALL, 5 FEET ABOVE THE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	19	2-VTS-354	0	AUXILIARY BUILDING V / CTRL ROD DRV EQUIP ROOM AND INV AREA VENT OUTSIDE AIR INLET DAMPER HV-SGR-MD-2 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA - IN THE SOUTHWEST REGION OF THE ROOM, 8 FEET NORTHWEST OF THE ROOM'S ENTRANCE DOOR, ON THE WEST WALL, 4 FEET ABOVE THE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	19	2-VTS-355	0	AUXILIARY BUILDING V / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENT RECIRC AIR INLET DAMPER HV-SGR-MD-1 TEMPERATURE SWITCH	AUXILIARY	609.00	INVERTER AREA - IN THE SOUTHEAST REGION OF THE ROOM, 12 FEET NORTHEAST OF THE ROOM'S ACCESS DOOR, ON THE EAST WALL, 4 FEET ABOVE THE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	19	2-VTS-356	0	AUXILIARY BUILDING V / CRD EQUIPMENT ROOM AND INVERTER AREA VENTILATION NORTH SUPPLY FAN HV-SGRS-4A TEMP SWITCH	AUXILIARY	609.00	INVERTER AREA - IN SOUTHWEST REGION OF ROOM, 8 FEET NORTHWEST OF THE ENTRANCE DOOR, ON WEST WALL, 5 FEET ABOVE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	19	2-VTS-357	0	AUXILIARY BUILDING V / CTRL ROD DRIVE EQUIP ROOM AND INV AREA VENTILATION SOUTH SUPPLY FAN HV-SGRS-4A TEMPERATURE SWITCH	AUXILIARY	609.00	CRD EQUIP RM - IN THE SOUTHEAST REGION OF THE ROOM, 10 FEET EAST OF THE ROOM'S ENTRANCE DOOR, ON THE SOUTH WALL, 4 FEET ABOVE THE	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
55	19	2-VTS-702	0	SCREENHOUSE VENTILAT / UNIT 2 EAST ESW PUMP ROOM TEMPERATURE SWITCH	SCREENHOUSE	591.00	E ESSNTL SERV WTR PMP RM - ON EAST WALL, 9 FEET NORTHEAST OF EAST ESSENTIAL SERVICE WATER PUMP 1-PP-7E, 8 FEET ABOVE FLOOR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	19	2-VTS-704	0	SCREENHOUSE VENTILAT / UNIT 2 WEST ESW PUMP ROOM TEMPERATURE SWITCH	SCREENHOUSE	591.00	W ESSNTL SERV WTR PMP RM - 3 FEET SOUTH OF WEST ESW PUMP 2-PP-7W, ON THE SOUTH WALL, 6 FEET ABOVE THE FLOOR	591.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	19	2-VTS-802	0	AUXILIARY BUILDING V / 4KV ROOM AB 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-2 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - AB 4KV SWGR AREA -	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
58	19	2-VTS-803	0	AUXILIARY BUILDING V / 4KV ROOM CD 4KV SWITCHGEAR AREA VENTILATION SUPPLY FAN HV-SGRS-3 THERMAL SENSOR	AUXILIARY	609.00	4KV RM - CD 4KV SWGR AREA -	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
59	19	2-VTS-805	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWGR XFMRs TR21B AND TR21D AREA VENT SUPPLY FAN HV-SGRS-7 TEMP SWITCH THERMAL SENSOR	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA - IN THE MIDDLE WEST REGION OF THE ROOM, 25 FEET NORTH OF THE ENTRANCE STAIRS, ON THE WEST WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	19	2-VTS-808	0	AUXILIARY BUILDING V / 4KV ROOM 600V SWGR XFMRs TR21A AND TR21C AREA VENT SUPPLY FAN HV-SGRS-8 TEMP SWITCH TEMP SWITCH	AUXILIARY	609.00	4KV RM - 600V SWGR AREA - IN THE NORTHWEST REGION OF THE ROOM, 20 FEET NORTHWEST OF 600V BUS SUPPLY TRANSFORMER #2-TR21A, ON THE WEST WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

T.R. Satyan Sharma
Print or Type Name

T.R. Satyan Sharma
Signature

12/20/95
Date

Paul R. Wilson
Print or Type Name

Paul R. Wilson
Signature

12/16/95
Date

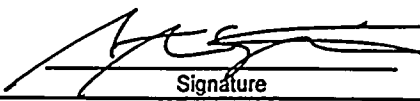

DC CO. UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	2-A11	0	EQUIPMENT CONTROL AN / AUXILIARY RELAY PANEL A11	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST CORNER OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	20	2-A13	0	EQUIPMENT CONTROL AN / AUXILIARY RELAY PANEL A13	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST CORNER OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	20	2-ARA-2	0	120V/220 CONTROL AND / REACTOR PROTECTION TRAIN 'A' AUXILIARY RELAY CABINET #2	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF MAIN FEED PUMPS CONTROL PANEL #2-FP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	2-ARB-2	0	120V/220 CONTROL AND / REACTOR PROTECTION TRAIN 'B' AUXILIARY RELAY CABINET #2	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE NORTH REGION OF THE ROOM, INSIDE RADIATION MONITORING SYSTEM RACK I PANEL #2-RMS-I	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	2-BA	0	BORON MAKEUP (CVCS) / BORIC ACID CHARGING AND LETDOWN CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST AREA OF THE ROOM, 15 FEET SOUTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
6	20	2-CI-26	0	EQUIPMENT CONTROL AN / REACTOR PROTECTION CONTROL INPUT CABINET #26	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE NORTH REGION OF THE ROOM, NEAR THE NORTH WALL, 5 FEET EAST OF UNIT 1 HOT SHUTDOWN PANEL #1-HSD1 ENCLOSURE	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	20	2-CI-27	0	EQUIPMENT CONTROL AN / REACTOR PROTECTION CONTROL INPUT CABINET #27	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE NORTH REGION OF THE ROOM, NEAR THE NORTH WALL, 8 FEET EAST OF UNIT 1 HOT SHUTDOWN PANEL #1-HSD1 ENCLOSURE	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	20	2-CP	0	CONDENSATE / CONDENSATE PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST AREA OF THE ROOM, 15 FEET SOUTHWEST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	2-DTU	0	TURBINE INSTRUMENTAT / DELTA T AND UNIT CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTH AREA OF THE ROOM, 15 FEET SOUTH OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	2-HSD2	0	SAFETY INJECTION / UNIT 2 HOT SHUTDOWN PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	20	2-NIS-I	0	EQUIPMENT CONTROL AN / NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL I CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE EAST PART OF THE ROOM, 25 FEET NORTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	20	2-NIS-III	0	EQUIPMENT CONTROL AN / NUCLEAR INSTRUMENTATION SYSTEM PROTECTION CHANNEL III CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE EAST PART OF THE ROOM, 22 FEET NORTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	2-NRI-21-PRCSR	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION WIDE RANGE SIGNAL PROCESSOR CABINET	AUXILIARY	633.00	CONTROL ROOM - ON MIDDLE EAST WALL, NEAR REAR OF ESW CONTROL PANEL #2-ESW, ON N-21 IN	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	2-PRZ	0	PRESSURIZER / PRESSURIZER CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST PART OF THE ROOM, 15 FEET SOUTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	20	2-RC	0	ROD CONTROL AND INST / REACTOR CONTROL RODS CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTH PART OF THE ROOM, 15 FEET SOUTH OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

_____ Stephen Anagnostis Print or Type Name	 Signature	12/14/95 Date	_____ T.R. Satvan Sharma Print or Type Name	 Signature
		12/20/95 Date		

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
16	20	2-RCP	0	REACTOR COOLANT / REACTOR COOLANT PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST PART OF THE ROOM, 15 FEET SOUTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	20	2-RPS-A	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'A' CABINET	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, IN FRONT OF THE CONTROL ROOM SOUTHWEST REAR RACK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
18	20	2-RPS-B	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN 'B' CABINET	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST REGION OF THE ROOM, ON THE REAR SIDE OF MOVABLE INCORE INSTRUMENTATION PANEL #2-MFX	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	20	2-RPSX-A	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN A AUXILIARY CABINET	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE REAR SIDE OF CONDENSATE PUMP CONTROL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	No	No
20	20	2-RPSX-B	0	REACTOR PROTECTION / REACTOR PROTECTION AND SAFEGUARD ACTUATION TRAIN B AUXILIARY CABINET	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF MOVABLE INCORE	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	No	No
21	20	2-SA	0	ELECTRICAL DISTRIBUT / STATION AUXILIARIES CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHWEST PART OF THE ROOM, 22 FEET NORTHWEST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	20	2-SG	0	STEAM GENERATION / STEAM GENERATOR AND AUXILIARY FEED PUMP CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST PART OF THE ROOM, 15 FEET SOUTHWEST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
23	20	2-CCW	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
24	20	2-ESW	0	ESSENTIAL SERVICE WATER / ESSENTIAL SERVICE WATER CONTROL PANEL	AUXILIARY	633.00	CONTROL PANEL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	20	2-FLX	0	NUCLEAR INSTRUMENTATION / FLUX CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

T.R. Satyan Sharma
Print or Type Name

Signature

12/15/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Dema.nd. Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	2-ACRA-1	0	EQUIPMENT CONTROL AN / CONTROL ROOM AIR HANDLING SUBPANEL #1	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - AT THE CENTER OF THE NORTH WALL, 4 FEET NORTH OF CONTROL ROOM VENTILATION NORTH AIR CONDITIONING UNIT #2-HV-ACRA-1	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	20	2-ACRA-2	0	EQUIPMENT CONTROL AN / CONTROL ROOM AIR HANDLING SUBPANEL #2	AUXILIARY	650.00	CTRL RM AIR CONDIT RM - AT THE CENTER OF THE SOUTH WALL, 4 FEET SOUTH OF CONTROL ROOM VENTILATION SOUTH AIR CONDITIONING UNIT #2-HV-ACRA-2	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	20	2-CAS	0	CONTAINMENT VENTILAT / CONTAINMENT AUXILIARIES SUBPANEL (VENTILATION)	AUXILIARY	633.00	633 HALLWAY - IN THE SOUTH END OF THE HALLWAY, 10 FEET NORTHWEST OF THE AUX BUILDING VENTILATION	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	20	2-LSI-1	0	STEAM GENERATING / STEAM GENERATORS #1 AND #4 LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL - IN THE NORTHEAST CORNER OF THE ROOM, 8 FEET WEST OF THE DOUBLE DOORS	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	2-LSI-2	0	STEAM GENERATING / STEAM GENERATORS #2 AND #3 LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTHWEST CORNER OF THE ROOM, 5' SOUTHEAST OF THE STORAGE TANK PIPE TUNNEL, NEAR THE SOUTH WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	20	2-LSI-3	0	PRESSURIZER / REACTOR COOLANT SYSTEM CHARGING AND LETDOWN LOCAL SHUTDOWN STATION	AUXILIARY	587.00	587 HALLWAY - IN MIDDLE E REGION OF THE HALLWAY, 10' SOUTH OF 15GPM RADIOACTIVE WASTE EVAP. SUBPANEL #12-RWE-15, ON THE S WALL, 3' ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
7	20	2-LSI-4	0	EQUIPMENT CONTROL AN / REACTOR COOLANT SYSTEM TEMPERATURES AND STEAM GENERATORS LOCAL SHUTDOWN STATION	AUXILIARY	587.00	587 HALLWAY - IN THE MIDDLE EAST REGION OF THE HALLWAY, 2 FEET SOUTH OF 15 GPM RADIOACTIVE RAD WASTE EVAP SUBPANEL #12-RWE-15, ON THE WEST WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	20	2-LSI-5	0	EQUIPMENT CONTROL AN / REACTOR COOLANT LOOPS #1 AND #4 TEMPERATURES, SGS #1 AND #4 PRESSURES LOCAL SHUTDOWN STATION	AUXILIARY	612.00	E MAIN STM STOP ENCL - IN THE NORTHEAST CORNER OF THE ROOM, 10 FEET WEST OF THE DOUBLE DOORS	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	2-LSI-5XX	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION 5XX	AUXILIARY	598.00	RCTR CABLE TUNN, QUAD 1 - IN THE SOUTHWEST REGION OF THE ROOM, NEAR THE CONTAINMENT WALL, 8 FEET WEST OF DOOR #2-DR-AUX334 ON THE SOUTH WALL, 4 FEET UP	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	2-LSI-6	0	EQUIPMENT CONTROL AN / REACTOR COOLANT LOOPS #2 AND #3 TEMPERATURES, SGS #2 AND #3 PRESSURES LOCAL SHUTDOWN STATION	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTHWEST CORNER OF THE ROOM, 1 FOOT WEST OF LOCAL SHUTDOWN STATION #2-LSI-2, NEAR THE SOUTH WALL, 5 FEET ABOVE	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	20	2-LSI-6XX	0	EQUIPMENT CONTROL AN / LOCAL SHUTDOWN STATION 6XX	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 3 - IN THE MIDDLE OF THE ROOM, ON THE SOUTH WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	20	2-NRI-21-AMP	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION WIDE RANGE RADIATION AMPLIFIER CABINET	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 1 - 20 FEET SOUTHWEST OF REACTOR CABLE TUNNEL QUADRANT #1, NORTH OF FIREDOOR 1-DR-AUX333	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

George G. Thomas 12/16/95

T.R. Satyan Sharma 12/20/95



8

SCREENING VERIFICATION DATA SHEET (SVDS)

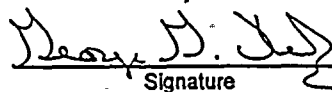
Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Buildng.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand. Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	20	2-NRI-23-AMP	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION SOURCE RANGE RADIATION DETECTOR NRI-23 AMPLIFIER CABINET	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 1 - IN THE SOUTHEAST REGION OF THE ROOM, 25 FEET EAST SOUTHEAST OF THE ROOM'S ENTRANCE DOOR, NEAR THE CONTAINMENT WALL, 3	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	20	2-NRI-23-ISOL	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL ISOLATOR CABINET	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 1 - IN THE SOUTHEAST REGION OF THE ROOM, 25 FEET EAST SOUTHEAST OF THE ROOM'S ENTRANCE DOOR, NEAR THE CONTAINMENT WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	20	2-NRI-23-PRCSR	0	NUCLEAR INSTRUMENTAT / NUCLEAR INSTRUMENTATION SOURCE RANGE SIGNAL PROCESSOR CABINET	AUXILIARY	596.00	RCTR CABLE TUNN, QUAD 1 - IN THE SOUTHEAST REGION OF THE ROOM, 25 FEET EAST SOUTHEAST OF THE ROOM'S ENTRANCE DOOR, NEAR THE CONTAINMENT WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	20	2-SCP	0	NUCLEAR SAMPLING / NUCLEAR SAMPLING SYSTEM CONTROL PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM - IN THE MIDDLE OF THE ROOM, 10 FEET SOUTHEAST OF THE NUCLEAR SAMPLE SINK #12-QC-32	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	20	2-TFP	0	EQUIPMENT CONTROL AN / TURBINE DRIVEN AUX FEED PUMP SUBPANEL	TURBINE	591.00	TB DRIVEN AUX FDWTR PMP - 3 FEET NORTHEAST OF TDAFP #2-PP-4, ON THE EAST WALL, 1 FOOT NORTH OF THE ROOM'S ENTRANCE DOOR	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	No	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name


Signature

12/16/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/20/95
Date

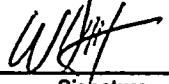
Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	2-QT-101-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE MIDDLE EAST REGION OF THE ROOM, 5 FEET EAST OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, 12 FEET ABOVE THE	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	0	2-QT-101-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL AIR INTAKE SILENCER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHEAST PART OF THE ROOM, 10 FEET EAST OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 15 FEET ABOVE	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	0	2-QT-112-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE NORTHEAST PART OF THE PIT, 6 FEET NORTHEAST OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	0	2-QT-112-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - 5 FEET NORTHEAST OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD, NEAR THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	0	2-QT-113-AB1	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #1	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE SOUTHEAST PART OF THE PIT, 5 FEET EAST OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
6	0	2-QT-113-AB2	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #2	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE SOUTHEAST PART OF THE PIT, 5 FEET EAST OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
7	0	2-QT-113-CD1	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #1	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - IN THE SOUTHEAST PART OF THE PIT, 5 FEET EAST OF CD EMERGENCY DIESEL CD LUBE OIL SUMP TANK #2-QT-115-CD.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
8	0	2-QT-113-CD2	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL FULL FLOW LUBE OIL STRAINER #2	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - IN THE SOUTHEAST PART OF THE PIT, 5 FEET EAST OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD, NEAR THE	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
9	0	2-QT-116-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL HEATER TANK	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - 2 FEET NORTHEAST OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB, NEAR THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
10	0	2-QT-116-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL HEATER TANK	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - IN THE NORTHEAST PART OF THE PIT, 3 FEET NORTHEAST OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
11	0	2-QT-116-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - MID-SOUTH REGION OF PIT, 2 FEET SOUTHEAST OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
12	0	2-QT-116-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - 3 FEET SOUTHEAST OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD, NEAR THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/21/95
Date

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	0	2-QT-143-AB1	0	DIESEL CONTROL AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER #1	AUXILIARY	587.00	AB EMER DSL GEN RM - 2 FEET SOUTHWEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 2 FEET SOUTH OF THE NORTH WALL, 3 FEET ABOVE THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	0	2-QT-143-AB2	0	DIESEL CONTROL AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER #2	AUXILIARY	587.00	AB EMER DSL GEN RM - 3 FEET SOUTHWEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 1 FOOT SOUTH OF THE NORTH WALL, 3 FEET ABOVE THE FLOOR	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
15	0	2-QT-143-CD1	0	DIESEL CONTROL AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER #1	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE SOUTH PART OF THE ROOM, 4 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 2 FEET ABOVE	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
16	0	2-QT-143-CD2	0	DIESEL CONTROL AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER #2	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE SOUTH PART OF THE ROOM, 4 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 2 FEET ABOVE	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
17	0	2-QT-144-AB	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE SOUTHWEST PART OF THE ROOM, 4 FEET EAST OF AB EMERGENCY DIESEL STARTING AIR RECEIVER #2-QT-141-AB2	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
18	0	2-QT-144-CD	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER FILTER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHWEST PART OF THE ROOM, 2 FEET EAST OF THE CD EMERGENCY DIESEL STARTING AIR RECEIVER #2-QT-141-CD2.	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
19	0	2-TT-DGAB	0	STARTING AIR / 2AB DIESEL GENERATOR TUBE TRACK	AUXILIARY	587.00	AB EMER DSL GEN RM -	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
20	0	2-TT-DGCD	0	STARTING AIR / 2CD DIESEL GENERATOR TUBE TRACK	AUXILIARY	587.00	CD EMER DSL GEN RM -	587.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
21	4	2-DGAB-FFCKT	0	DIESEL GENERATION, C / AB EMERGENCY DIESEL GENERATOR OME-150-AB FIELD FLASH CIRCUIT TRANSFORMER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE MIDDLE NORTH REGION OF THE ROOM, 5 FEET WEST OF ROOM'S DOORWAY, INSIDE N SIDE OF AB EDG CONTROL SUBPANEL 1-DGAB, 2' ABOVE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
22	4	2-DGCD-FFCKT	0	DIESEL GENERATION, C / CD EMERGENCY DIESEL GENERATOR OME-150-CD FIELD FLASH CKT TRANSFORMER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE SOUTH REGION OF THE ROOM, 5 FEET EAST OF CD EMERGENCY DIESEL GENERATOR ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
23	5	2-QT-106-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP - IN THE MIDDLE SOUTHEAST REGION OF THE ROOM, 25 FEET SOUTH OF THE ROOM'S ENTRANCE DOOR, NEAR THE EAST WALL, NEAR THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
24	5	2-QT-106-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	AB EMER DSL FUEL OIL XFER PMP - IN THE MIDDLE SOUTHEAST REGION OF THE ROOM, 27 FEET SOUTH OF THE ROOM'S ENTRANCE DOOR, NEAR THE EAST WALL, NEAR THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
25	5	2-QT-106-CD1	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #1	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP - IN THE NORTHEAST REGION OF THE ROOM, 4 FEET WEST OF THE EAST WALL, 1 FOOT ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/21/95
Date



Item	Eq. Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
26	5	2-QT-106-CD2	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL TRANSFER PUMP #2	AUXILIARY	587.00	CD EMER DSL FUEL OIL XFER PMP - IN THE NORTHEAST REGION OF THE ROOM, 4 FEET EAST OF THE MIDDLE OF THE EAST WALL, 1 FOOT ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
27	5	2-QT-111-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE MIDDLE EAST PART OF THE PIT, 3 FEET EAST OF AB EMERGENCY DIESEL AB LUBE OIL SUMP TANK #2-QT-115-AB.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
28	5	2-QT-111-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL BEFORE AND AFTER PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - 2 FEET EAST OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD, NEAR THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
29	5	2-QT-117-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL LUBE OIL HEATER QT-116-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE NORTHWEST CORNER OF THE PIT, 2 FEET NORTH OF AB EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-AB, NEAR THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
30	5	2-QT-117-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL LUBE OIL HEATER QT-116-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - IN THE NORTHWEST CORNER OF THE PIT, 2 FEET NORTH OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
31	5	2-QT-119-AB	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-AB PUMP	AUXILIARY	579.00	AB EMER DSL LUBE OIL PIT - IN THE SOUTHWEST CORNER OF THE PIT, NEAR THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
32	5	2-QT-119-CD	0	DIESEL LUBE OIL / CD EMERGENCY DIESEL BYPASS LUBE OIL FILTER QT-118-CD PUMP	AUXILIARY	579.00	CD EMER DSL LUBE OIL PIT - IN THE SOUTHWEST PART OF THE PIT, 3 FEET SOUTH OF CD EMERGENCY DIESEL LUBE OIL SUMP TANK #2-QT-115-CD, NEAR THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
33	5	2-QT-130-AB1	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #1	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, 20 FEET EAST OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
34	5	2-QT-130-AB2	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP #2	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE MIDDLE EAST REGION OF THE ROOM, 20 FEET EAST OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, NEAR THE EAST	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
35	5	2-QT-130-CD1	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 1	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, 20 FEET EAST OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
36	5	2-QT-130-CD2	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP 2	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, 20 FEET EAST OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
37	5	2-QT-135-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHEAST REGION OF THE ROOM, 2 FEET SOUTHWEST OF AB EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
38	5	2-QT-135-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER PUMP	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE EAST PART OF THE ROOM, NEAR THE EAST WALL, 5 FEET SOUTH OF CD EMERGENCY DIESEL JACKET WATER PUMP #2-QT-130-CD2	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name


Signature

12/13/95
Date

T.R. Satyan Sharma
Print or Type Name


Signature

12/21/95
Date

DC COCKPIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
39	7	2-SV-120-AB	0	DIESEL STARTING AIR / 2-XTC-301 & 2-XTC-302 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 3 FEET WEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 4 FEET SOUTH OF THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
40	7	2-SV-120-CD	0	DIESEL STARTING AIR / 2-XTC-306 AND 2-XTC-307 CONTROL AIR SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - 4 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
41	7	2-SV-139-AB	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 10 FEET SOUTHEAST OF THE AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 10 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
42	7	2-SV-139-CD	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR TO TURBOCHARGER SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - AT THE NORTHEAST END OF THE CD EMERGENCY DIESEL, 11 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
43	7	2-SV-16-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL JACKET WATER COOLER QT-131-AB ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 5 FEET EAST OF THE AB EMERGENCY DIESEL GENERATOR DOORWAY, NEAR THE NORTH WALL, 8 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
44	7	2-SV-16-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL JACKET WATER COOLER QT-131-CD ESSENTIAL SERVICE WATER OUTLET SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - ON THE WEST END OF THE CD EMERGENCY JACKET DIESEL WATER COOLER, IN THE SOUTHEAST CORNER OF THE ROOM, 10 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	7	2-SV-200-AB	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - SOUTHWEST PART OF THE ROOM, INSIDE FUEL OIL DAY TANK ENCLOSURE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	7	2-SV-200-CD	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL MANIFOLDS TO FUEL OIL DAY TANK SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - 15 FEET NORTHWEST OF DIESEL GENERATOR, INSIDE FUEL OIL DAY TANK ENCLOSURE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	7	2-SV-201-AB1	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - SOUTHEAST OF THE AB EMERGENCY DIESEL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
48	7	2-SV-201-AB2	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - NORTHEAST OF AB EMERGENCY DIESEL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	7	2-SV-201-CD1	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FRONT BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - ON THE NORTHWEST END OF CD EMERGENCY DIESEL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	7	2-SV-201-CD2	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL REAR BANK FUEL OIL MANIFOLD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHWEST CORNER OF CD EMERGENCY DIESEL GENERATOR ROOM, 10 FEET ABOVE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	7	2-SV-61-AB	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-AB SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - NEAR CENTER OF WEST WALL, 7 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	7	2-SV-61-CD	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL AUXILIARY JACKET WATER HEATER QT-134-CD SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - NEAR THE CENTER OF THE EAST WALL, 7 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

12/13/95

12/21/95

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
53	7	2-SV-78-AB1	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - IN SOUTHWEST PART OF ROOM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	7	2-SV-78-AB2	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - IN SOUTHWEST PART OF ROOM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
55	7	2-SV-78-CD1	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHWEST REGION OF THE ROOM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
56	7	2-SV-78-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR RECEIVER QT-141-CD2 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHWEST AREA OF THE ROOM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
57	7	2-SV-79-AB1	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER QT-143-AB1 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 2 FEET WEST OF THE AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 3 FEET SOUTH OF THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	7	2-SV-79-AB2	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL CONTROL AIR DRYER QT-143-AB2 SAFETY VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 3 FEET WEST OF THE AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 3 FEET SOUTH OF THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
59	7	2-SV-79-CD1	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER QT-143-CD1 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - 3 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 3 FEET SOUTH OF THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	7	2-SV-79-CD2	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL CONTROL AIR DRYER QT-143-CD2 SAFETY VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - 3 FEET WEST OF THE CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 3 FEET SOUTH OF THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
61	7	2-WRV-722-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER HE-47-CDN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHEAST PART OF THE ROOM, 2 FEET NORTH OF CD EMERGENCY DIESEL JACKET WATER SURGE TANK #2-QT-133-CD.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
62	7	2-WRV-724-CD	0	ESSENTIAL SERVICE WATER / CD EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47-CDS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHEAST PART OF THE ROOM, ON THE SOUTHEAST CORNER OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, NEAR THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
63	7	2-WRV-726-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL NORTH COMBUSTION AIR AFTERCOOLER HE-47-ABN ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 10 FEET SOUTH OF THE AB EMERGENCY DIESEL GENREATOR ROOM DOORWAY, ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

[Handwritten Signature]
12/13/95

[Handwritten Signature]
12/21/95

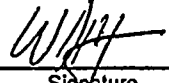

DC CO...IT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
64	7	2-WRV-728-AB	0	ESSENTIAL SERVICE WATER / AB EMERGENCY DIESEL SOUTH COMBUSTION AIR AFTERCOOLER HE-47-ABS ESW INLET/BYPASS VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, 4 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
65	7	2-XRV-220	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - 10 FEET SOUTHEAST OF THE AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
66	7	2-XRV-221	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE EAST REGION OF THE ROOM, 1 FOOT ABOVE THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
67	7	2-XRV-222	0	DIESEL STARTING AIR / AB EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHEAST REGION OF THE ROOM, ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, 10 FEET ABOVE THE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
68	7	2-XRV-225	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL STARTING AIR JET ASSIST CONTROL VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHEAST PART OF THE ROOM, ON THE NORTHEAST END OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 10 FEET ABOVE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
69	7	2-XRV-226	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL FRONT BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - ON THE NORTHEAST CORNER OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 10 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
70	7	2-XRV-227	0	DIESEL STARTING AIR / CD EMERGENCY DIESEL REAR BANK STARTING AIR SHUTOFF VALVE	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE NORTHEAST PART OF THE ROOM, 3 FEET NORTHEAST OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 10 FEET ABOVE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
71	8	2-HV-DDP-CD1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM - 23 FEET WEST OF THE MAIN ENTRANCE DOOR, NEAR THE SOUTH WALL, 10 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
72	8	2-HV-DDP-CD2	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 TEMPERING AIR DAMPER	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHEAST PART OF THE ROOM, NEAR THE WALL, 10 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
73	8	2-LSO-240	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	AB EMER DSL GEN RM - ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, 8 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
74	8	2-LSO-241	0	DIESEL LUBE OIL / AB EMERGENCY DIESEL UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	AB EMER DSL GEN RM - ON THE DIESEL END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, 7 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
75	8	2-LSO-245	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #1	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE EAST PART OF THE ROOM, ON THE EAST END OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 7 FEET ABOVE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

<u>Walter Djordjevic</u> Print or Type Name	 Signature	<u>12/13/95</u> Date	<u>T.R. Satyan Sharma</u> Print or Type Name	 Signature	<u>12/21/95</u> Date
--	--	-------------------------	---	--	-------------------------

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
76	8	2-LSO-245	0	DIESEL LUBE OIL / CD EMER DIESEL GEN UPPER VALVE GEAR LUBRICATION CONTROL SOLENOID #2	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE EAST PART OF THE ROOM, ON THE EAST END OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 6 FEET ABOVE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
77	9	2-HV-DGS-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHEAST PART OF THE ROOM, 20 FEET EAST OF THE GENERATOR END OF CD EMERGENCY GENERATOR #2-OME-150-CD, 10	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
78	9	2-HV-DGS-2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, ON THE EAST WALL, 15 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
79	9	2-HV-DGS-3	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	AB EMER DSL GEN RM - 4 FEET EAST OF THE EAST END OF AB EMERGENCY DIESEL GENERATOR #2-OME-150-AB, IN A VENTILATION DUCT, 10 FEET ABOVE THE	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
80	9	2-HV-DGS-4	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM CABINET VENTILATION SUPPLY FAN	AUXILIARY	587.00	CD EMER DSL GEN RM - 12 FEET NORTHEAST OF CD EMERGENCY DIESEL GENERATOR CONTROL SUBPANEL #2-DGCC, LOCATED IN A VENTILATION DUCT, 12 FEET	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
81	9	2-HV-DGX-1	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHWEST CORNER OF THE ROOM, 15 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
82	9	2-HV-DGX-2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHWEST REGION OF THE ROOM, ON THE NORTH WALL, 15 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
83	10	2-HV-DDP-AB1	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NORTHWEST REGION OF THE ROOM, 24 FEET WEST OF THE ROOM'S ENTRANCE DOORWAY, ON THE NORTH WALL, 15 FEET ABOVE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
84	10	2-HV-DDP-AB2	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-2 TEMPERING AIR DAMPER	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE SOUTHEAST REGION OF THE ROOM, 3 FEET NORTHEAST OF THE AB EMERGENCY DIESEL FUEL OIL TRANSFER PUMP ROOM DOORWAY, 15	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
85	12	2-QT-502-AB	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL TURBOCHARGER	AUXILIARY	587.00	AB EMER DSL GEN RM - 10 FEET SOUTH OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 4 FEET EAST OF AB EMERGENCY DIESEL GENERATOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
86	12	2-QT-502-CD	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL TURBOCHARGER	AUXILIARY	587.00	CD EMER DSL GEN RM - ON THE NORTHEAST CORNER OF THE CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, 9 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
87	14	2-AFW	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / POWER PANEL	AUXILIARY	587.00	CD EMER DSL GEN RM - 10 FEET NW OF CD EMERGENCY DIESEL GENERATOR #2-OME-150-CD, ON THE NORTH WALL, 3' ABOVE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
88	14	2-AFWX	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / 120/208 VAC AUXILIARY FEEDWATER DISTRIBUTION PANEL	AUXILIARY	587.00	CD EMER DSL GEN RM - IN NE REGION OF ROOM, 5 FT NORTH OF NE END OF EMERG DIESEL GEN CD, ON	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

T.R. Satyan Shama
Print or Type Name

Signature

Date



Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
89	14	2-ELSC	0	120/208V MISC SAFETY RELATED POWER DISTR / POWER PANEL	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE NE REGION OF THE ROOM, ON THE EAST WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
90	14	2-ELSCX	0	120/208V MISC SAFETY RELATED POWER DISTRIBUTION / 120/208VAC EMERGENCY LOCAL SHUTDOWN AUXILIARY DISTRIBUTION PANEL	AUXILIARY	587.00	AB EMER DSL GEN RM - IN SE REGION OF ROOM, ON SOUTH WALL, 10 FT SOUTH OF EAST END OF AB EMERG DIESEL GENERATOR, 5' ABOVE FLOOR.	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
91	17	2-OME-150-AB	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / AB EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	AB EMER DSL GEN RM - IN THE CENTER OF THE ROOM	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
92	17	2-OME-150-CD	0	DIESEL GENERATION, CONTROL & INSTRUMENTATION / CD EMERGENCY DIESEL GENERATOR	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE CENTER OF THE ROOM, 10 FEET NORTH OF THE MAIN ENTRANCE DOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
93	18	2-CPS-312	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP QT-130-AB1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM - 5 FEET WEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, IN CONTROL SUBPANEL #2-DGAB, ON THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
94	18	2-CPS-314	0	DIESEL JACKET WATER / AB EMERGENCY DIESEL JACKET WATER PUMP QT-130-AB2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM - 5 FEET WEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, IN SUBPANEL #2-DGAB, ON THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
95	18	2-CPS-317	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP QT-130-CD1 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM - 5 FEET WEST OF CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, IN SUBPANEL #2-DGCD, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
96	18	2-CPS-319	0	DIESEL JACKET WATER / CD EMERGENCY DIESEL JACKET WATER PUMP QT-130-CD2 DISCHARGE PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM - 5 FEET WEST OF CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, IN SUBPANEL #2-DGCD, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
97	18	2-LLS-120	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH #1	AUXILIARY	587.00	AB EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
98	18	2-LLS-121	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH #1	AUXILIARY	587.00	AB EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
99	18	2-LLS-122	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB HIGH LEVEL SWITCH #2	AUXILIARY	587.00	AB EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
100	18	2-LLS-123	0	DIESEL FUEL OIL / AB EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-AB LOW LEVEL SWITCH #2	AUXILIARY	587.00	AB EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
101	18	2-LLS-125	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWITCH #1	AUXILIARY	587.00	CD EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
102	18	2-LLS-126	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH #1	AUXILIARY	587.00	CD EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
103	18	2-LLS-127	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD HIGH LEVEL SWITCH #2	AUXILIARY	587.00	CD EMER DSL GEN RM - *RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

Date

T.R. Satyan Sharma
Print or Type Name

Signature

Date

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
104	18	2-LLS-128	0	DIESEL FUEL OIL / CD EMERGENCY DIESEL FUEL OIL DAY TANK QT-107-CD LOW LEVEL SWITCH #2	AUXILIARY	587.00	CD EMER DSL GEN RM - "RELAY CHATTER ANALYSIS IS DONE UNDER FUEL TRANSFER PUMP	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
105	18	2-XPS-300	0	DIESEL COMBUSTION AIR / AB EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	AB EMER DSL GEN RM - 5 FEET WEST OF AB EMERGENCY DIESEL GENERATOR ROOM DOORWAY, INSIDE DOUBLE DOORS OF CONTROL SUBPANEL #2-DGAB, ON THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
106	18	2-XPS-305	0	DIESEL COMBUSTION AIR / CD EMERGENCY DIESEL FRONT BANK AIR CHEST EXTREME HIGH PRESSURE SWITCH	AUXILIARY	587.00	CD EMER DSL GEN RM - 5 FEET WEST OF CD EDG ROOM DOORWAY, INSIDE DOUBLE DOORS OF CD EMERGENCY DIESEL CONTROL SUBPANEL #2-DGCD, ON THE SOUTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
107	19	2-VTS-341	0	DIESEL ROOM VENTILATION / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION FANS HV-DGX-2 THERMOSTAT	AUXILIARY	587.00	AB EMER DSL GEN RM - NORTHWEST REGION OF ROOM, ON AB EMERG DIESEL GEN RM VENT EXHAUST FAN #2-HV-DGX-2, NEAR THE NORTH WALL	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
108	19	2-VTS-346	0	DIESEL ROOM VENTILATION / CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FAN HV-DGX-1 THERMOSTAT	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST SIDE OF CD EMERGENCY DIESEL GENERATOR ROOM VENTILATION EXHAUST FIRE	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
109	20	2-DGAB	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AB EMERGENCY DIESEL GENERATOR OME-150-AB CONTROL SUBPANEL	AUXILIARY	587.00	AB EMER DSL GEN RM - MIDDLE SOUTH REGION OF THE ROOM, 10 FEET NORTHWEST OF AUXILIARY BUILDING VENTILATION EXHAUST UNIT #2-HV-AX-2	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
110	20	2-DGAB-X	0	EQUIPMENT CONTROL AND INDICATION STATIONS / AB EMERGENCY DIESEL GENERATOR OME-150-AB AUXILIARY SUBPANEL	AUXILIARY	587.00	AB EMER DSL GEN RM - NEAR THE CENTER OF THE WEST WALL, 3 FEET NORTH OF AB EMERGENCY DIESEL STARTING AIR RECEIVER #2-QT-141-AB1	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
111	20	2-DGCD	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CD EMERGENCY DIESEL GENERATOR OME-150-CD CONTROL SUBPANEL	AUXILIARY	587.00	CD EMER DSL GEN RM - 5 FEET WEST OF CD EMERGENCY DIESEL GENERATOR ROOM DOORWAY, 4 FEET SOUTHEAST OF CD EMERGENCY DIESEL GENERATOR EXCITER	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
112	20	2-DGCD-X	0	EQUIPMENT CONTROL AND INDICATION STATIONS / CD EMERGENCY DIESEL GENERATOR OME-150-CD AUXILIARY SUBPANEL	AUXILIARY	587.00	CD EMER DSL GEN RM - IN THE MIDDLE WEST REGION OF THE ROOM, 15 FEET SOUTH OF CD EMERGENCY DIESEL STARTING AIR RECEIVER #2-QT-141-CD1	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	No	No
113	0	2-POV-1-AB	0	STARTING AIR SYSTEM / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	Auxiliary	587.00		587.00	N/A	Judgement vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
114	0	2-POV-1-CD	0	STARTING AIR SYSTEM / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	Auxiliary	587.00		587.00	N/A	Judgement vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
115	0	2-POV-2-AB	0	STARTING AIR SYSTEM / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	Auxiliary	587.00		587.00	N/A	Judgement vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
116	0	2-POV-2-CD	0	STARTING AIR SYSTEM / PILOT OPERATED 4 WAY VALVE FOR AIR START XRV'S FOR DIESEL ENGINE	Auxiliary	587.00		587.00	N/A	Judgement vs Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Walter Djordjevic
Print or Type Name

Signature

12/14/95
Date

T.R. Satyan Sharma
Print or Type Name

Signature

12/15/95
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-QRV-170	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED OUTLET PRESSURE CONTROL VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM - AT THE WEST END OF EXCESS LETDOWN HEAT EXCHANGER #2-HE-13, WEST OF AIR OPERATED VALVE #2-QRV-171, 1 FOOT ABOVE THE	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	2-QRV-171	0	LETDOWN (CVCS) / EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED OUTLET DIVERSION VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM - NEAR CENTER OF EXCESS LETDOWN HEAT EXCHANGER #2-HE-13, 1 FOOT ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
3	7	2-SV-64	0	CCW / EXCESS LETDOWN HEAT EXCHANGER HE-13 CCW OUTLET SAFETY VALVE	CONTAINMENT	612.00	REGEN HEAT XCHGR RM - NEAR CONT WALL, 1 FT. FROM EXCESS LETDOWN HEAT EXCHANGER #2-HE-13, AZ 300.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	8	2-HV-DGS-DAB	0	DIESEL ROOM VENTILAT / AB EMERGENCY DIESEL GENERATOR ROOM VENTILATION SUPPLY FAN HV-DGS-1 OUTSIDE AIR SHUTOFF DAMPER	AUXILIARY	596.00	INNER PLANT GROUNDS - 50 FT NORTHWEST OF RWST TANK #12-TK-33, ACCESSIBLE FROM A MANHOLE NEAR THE 609 ELEVATION AIR INTAKE FILTER	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	8	2-ICM-305	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO EAST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - 15 FEET SOUTHEAST OF THE ROOM'S ENTRANCE DOOR, INSIDE EAST VALVE ENCLOSURE TANK #2-TK-86	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	8	2-ICM-306	0	RESIDUAL HEAT REMOVAL / RECIRCULATION SUMP TO WEST RHR/CTS PUMPS SUCTION CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - 10 FEET SOUTHEAST OF THE ROOM'S ENTRANCE DOOR, INSIDE WEST VALVE ENCLOSURE TANK #2-TK-87	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

[Signature]
Signature

12/14/95
Date

I.C. Huang
Print or Type Name

[Signature]
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	2-CG1	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #1 CABINET #14, 15, 16	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST REGION OF THE ROOM, NEAR MIDDLE OF THE NORTH WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	20	2-CG2	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #2 CABINET #17, #18 & #19	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST CORNER OF THE ROOM, NEAR THE NORTH WALL * FULL WALKDOWN DONE DURING RHR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	20	2-CG3	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #3 CABINET #20, #21	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST REGION OF THE ROOM, ON THE REAR SIDE OF RADIATION MONITORING SYSTEM RACK I PANEL #2-RMS-I	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	20	2-CG4	0	EQUIPMENT CONTROL AND INDICATION STATIONS / REACTOR PROTECTION CONTROL GROUP #4 CABINET #22, #23, #24, & #25	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST REGION OF THE ROOM, ON THE REAR SIDE OF RADIATION MONITORING SYSTEM RACK I PANEL #2-RMS-I	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	20	2-RPC-I	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL I CAB #1, 2, 3 & 4	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF CONDENSATE HEATER LEVEL CONTROL PANEL #2-C, NEAR CONDENSATE	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
6	20	2-RPC-II	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL II CABINET #5, 6 & 7	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF TURBINE CONTROL PANEL #2-T, NEAR TURBINE PANEL REAR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
7	20	2-RPC-III	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL III CABINET #9, 10 & 11	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF STEAM GENERATOR AND AUXILIARY FEED PUMP CONTROL PANEL #2-SG	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	No	No
8	20	2-RPC-IV	0	REACTOR PROTECTION / REACTOR PROTECTION CHANNEL IV CABINET #12	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF CONDENSATE PUMP CONTROL PANEL #2-CP	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	No	Yes	Yes	No

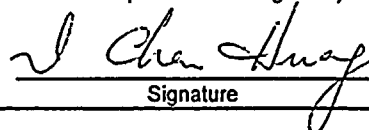
Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

I.C. Huang

Print or Type Name



Signature

1-15-96

Date

Paul Krugh

Print or Type Name



Signature

12/21/95

Date

DC COCONUT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-MRV-152	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	WV CONT LOWER VENT RM - ON THE CRANEWALL SIDE OF THE WALKWAY	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	N/A	Yes	No
2	7	2-MRV-154	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM - ON THE CRANEWALL SIDE OF THE WALKWAY, BETWEEN COLUMNS #6 AND #7, 2 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	N/A	Yes	No
3	7	2-SV-122-3	0	CCW / CCW TO CONT VENTILATION FAN HV-CEQ-2 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-2 FAN RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 1 FOOT FROM VENT FAN #2-HV-CEQ-2, 10 FEET FROM COLUMN #26, 4 FEET ABOVE THE 625 EL PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
4	7	2-SV-122-4	0	CCW / CONTAINMENT VENT FAN HV-CEQ-1 MOTOR AIR COOLER CCW OUTLET SAFETY VALVE	CONTAINMENT	625.00	HV-CEQ-1 FAN RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 1 FOOT FROM VENT FAN #2-HV-CEQ-1, 15 FEET FROM COLUMN #1, NEAR THE GRATING	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
5	7	2-SV-62-1	0	CCW / REACTOR COOLANT PUMP PP-45-1 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1 - BETWEEN REACTOR COOLANT PUMP #1 AND SG #1, ON THE SG SIDE OF 617 EL PLATFORM.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	2-SV-62-2	0	REACTOR COOLANT PUMP PP-45-2 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	617.00	LOWER CONTAINMENT, QUADRANT NO. 2 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-2 AND THE SHIELD WALL, ON THE 617 ELEVATION PLATFORM.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	7	2-SV-62-3	0	REACTOR COOLANT PUMP PP-45-3 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	612.00	LOWER CONTAINMENT, QUADRANT NO. 3 - BETWEEN RCP #3 AND STEAM GENERATOR #3, ON 618 ELEVATION PLATFORM.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	7	2-SV-62-4	0	REACTOR COOLANT PUMP PP-45-4 THERMAL BARRIER CCW OUTLET SAFETY VALVE	CONTAINMENT	612.00	LOWER CONTAINMENT, QUADRANT NO. 4 - BETWEEN REACTOR COOLANT PUMP #4 AND SHIELD WALL, ON 618 ELEVATION PLATFORM.	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	8	2-IMO-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1 - ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET FROM COLUMN #2, 3 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	8	2-IMO-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #2 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
11	8	2-IMO-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #3 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET FROM COLUMN #18, 4 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	8	2-IMO-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #4 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4 - 15 FEET FROM COLUMN #9, 5 FEET ABOVE THE FLOOR, BY THE CRANEWALL	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
13	18	2-FI-51	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #1 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1 - NEAR THE CRANEWALL SIDE OF THE WALKWAY, BETWEEN COLUMNS #2 AND #3, 4 FEET ABOVE THE FLOOR	598.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
14	7	2-NRV-163	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 TO PRESSURIZER SPRAY CONTROL 4 AIR OPERATED GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3 - AT THE 612 ELEVATION PLATFORM, ON THE CRANEWALL SIDE OF REACTOR COOLANT PUMP #2-PP-45-3, 2 FEET ABOVE THE 612 EL	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
15	7	2-NRV-164	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 TO PRESSURIZER SPRAY CONTROL 4 AIR OPERATED GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3 - AT 612 PLATFORM ELEVATION, NEAR REACTOR COOLANT PUMP #2-PP-45-3, ON THE CRANEWALL SIDE OF THE WALKWAY	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

I.C. Huang
Print or Type Name

Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Eq. CI	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?	
1	7	2-SV-121	0	2-DRA-300 SAMPLE HEAT EXCHANGERS CCW RETURN HEADER SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 10 FT NW OF THE VESTIBULE DOORWAY	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
2	7	2-CRV-410	0	DEMINEALIZED MAKEUP WATER TO CCW SURGE TANK 'A' 1.5 AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00		650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	2-CRV-411	0	DEMINEALIZED MAKEUP WATER TO CCW SURGE TANK 'B' 1.5 AIR OPERATED SHUTOFF VALVE	AUXILIARY	650.00	HALLWAY	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building.	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	7	2-DCR-301	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 BLOWDOWN SAMPLE DSR-301 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - ON THE EAST END, BELOW THE PLATFORM GRATING	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
2	7	2-DCR-302	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 BLOWDOWN SAMPLE DSR-302 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - ON THE EAST END, BELOW THE PLATFORM GRATING	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
3	7	2-DCR-303	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 BLOWDOWN SAMPLE DSR-303 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - ON THE EAST END, BELOW THE PLATFORM GRATING	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
4	7	2-DCR-304	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 BLOWDOWN SAMPLE DSR-304 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - ON THE EAST END, BELOW THE PLATFORM GRATING	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
5	7	2-DCR-310	0	BLOWDOWN / STEAM GENERATOR OME-3-1 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE NORTHEAST SECTION OF THE ROOM, 20 FEET EAST OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE 601 ELEVATION	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
6	7	2-DCR-320	0	BLOWDOWN / STEAM GENERATOR OME-3-2 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE NORTHEAST SECTION OF THE ROOM, 20 FEET SOUTHEAST OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE 601 ELEVATION	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
7	7	2-DCR-330	0	BLOWDOWN / STEAM GENERATOR OME-3-3 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 15 FEET NORTHEAST OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE 601 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
8	7	2-DCR-340	0	BLOWDOWN / STEAM GENERATOR OME-3-4 BLOWDOWN CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE NW PART OF THE ROOM, 20 FT. FROM STARTUP BLOWDOWN FLASHTANK 2-TK-49, ON THE 601 ELEVATION PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
9	7	2-GCR-314	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE NORTHEAST REGION OF THE ROOM, ON THE EAST SIDE OF THE 601 ELEVATION PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
10	7	2-IRV-260	0	SAFETY INJECTION / SAFETY INJECTION TEST LINE SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - IN THE SOUTHEAST REGION OF THE ROOM, 6 FEET SOUTHEAST OF SOUTH SAFETY INJECTION PUMP #2-PP-26S, NEAR THE SOUTH WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
11	7	2-MCR-251	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - IN THE SOUTHEAST REGION OF THE ROOM, ON THE 596 ELEVATION PLATFORM, UNDER THE 601 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
12	7	2-MCR-252	0	NUCLEAR SAMPLING / STEAM GENERATOR #2 STEAM SAMPLE MSX-102 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - IN THE SOUTHEAST REGION OF THE ROOM, ON THE 596 ELEVATION PLATFORM, UNDER THE 601 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
13	7	2-MCR-253	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - IN THE SOUTHEAST REGION OF THE ROOM, ON THE 596 ELEVATION PLATFORM, UNDER THE 601 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
14	7	2-MCR-254	0	NUCLEAR SAMPLING / STEAM GENERATOR #4 STEAM SAMPLE MSX-104 CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	VESTIBULE - IN THE SOUTHEAST REGION OF THE ROOM, ON THE 596 ELEVATION PLATFORM, UNDER THE 601 ELEVATION PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
15	7	2-QRV-251	0	CHARGING (CVCS) / CVCS CENTRIFUGAL CHARGING PUMPS DISCHARGE FLOW 3 AIR OPERATED CONTROL GLOBE VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - IN THE NORTHEAST PART OF THE ROOM, 3' EAST OF THE NORTH END OF RECIPROCATING CHARGING PUMP #2-PP-49, 2 FEET ABOVE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
16	7	2-QRV-421	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID FILTER TO CVCS CHARGING PUMPS AND SOUTH BORIC ACID BLENDER 1 AIR OPERATED FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE SOUTHEAST REGION OF THE ROOM, 7' SOUTHEAST OF SOUTH BORIC ACID STORAGE TANK #2-TK-12S, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
17	7	2-QRV-430	0	BORON MAKEUP (CVCS) / SOUTH BORIC ACID STORAGE TANK TK-12S 2 AIR OPERATED INLET FLOW CONTROL GLOBE VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE SOUTHEAST REGION OF THE ROOM, 1' SOUTHEAST OF SOUTH BORIC ACID STORAGE TANK #2-TK-12S, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
18	7	2-SV-101	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY HEADER TO ACCUMULATOR TANKS SAFETY VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 20 FEET SOUTHEAST OF THE BLOWDOWN TANK, ABOVE GRATING, NEAR THE CONTAINMENT WALL	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
19	7	2-SV-166	0	CCW / POST-ACCIDENT SAMPLE HEAT EXCHANGER CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM - ON THE UNIT 2 SAMPLE RACK 'B', ON THE EAST WALL, AT THE SOUTH END OF THE RACK, 8 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
20	7	2-SV-56	0	LETDOWN (CVCS) / CVCS CHARGING PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - SOUTHEAST OF THE PUMP, 9 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
21	7	2-SV-60	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER SURGE TANK TK-37 SAFETY VALVE	AUXILIARY	650.00	650 HALLWAY - ON TOP OF THE COMPONENT COOLING WATER SURGE TANK	650.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
22	7	2-SV-65	0	CCW / LETDOWN HEAT EXCHANGER HE-14 CCW OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY - 5 FEET EAST OF FREIGHT ELEVATOR SOUTH DOOR, NEAR THE EAST WALL, 12 FEET ABOVE THE FLOOR	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
23	7	2-SV-66	0	CCW / CCW TO SOUTH BORIC ACID EVAP DRUM 12-HE-19-DS SAFETY VALVE	AUXILIARY	587.00	587 HALLWAY - NORTH OF THE SOUTH BORIC ACID EVAPORATOR ROOM DOORWAY, 597 ELEVATION P' ATFORM, ON THE WEST WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
24	7	2-SV-67-1	0	CCW / FAILED NUCLEAR FUEL DETECTOR SAMPLE HEAT EXCHANGER QC-501-13 CCW OUTLET SAFETY VALVE	AUXILIARY	587.00	REFUEL WTR PURIFICATION PMP RM - 7 FEET NORTH OF THE DOORWAY, ON THE WEST WALL, 6 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
25	7	2-SV-67-2	0	CCW / NUCLEAR SAMPLING SAMPLE RACK A CCW RETURN HEADER SAFETY VLVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM - ON UNIT 2 SAMPLE RACK A LOCATED IN THE NORTHWEST AREA OF THE ROOM, NORTHERN END OF THE RACK	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
26	7	2-SV-67-3	0	CCW / NUCLEAR SAMPLING SAMPLE RACK B CCW RETURN HEADER SAFETY VALVE	AUXILIARY	587.00	NUCLEAR SAMPLING RM - ON UNIT 2 SAMPLE RACK B LOCATED ON THE EAST END WALL, SOUTHERN END OF THE RACK	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas *George G. Thomas* 12/16/95 I.C. Huang *I. Chen Huang* 1-15-96
 Print or Type Name Signature Date Print or Type Name Signature Date

DC COM UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
27	7	2-SV-72W	0	COMPONENT COOLING WATER / WEST RESIDUAL HEAT REMOVAL HEAT EXCHANGER COMPONENT COOLING WATER OUTLET SAFETY VALVE	AUXILIARY	633.00	633 HALLWAY - 25 FEET SOUTH OF THE FREIGHT ELEVATOR SOUTH DOOR, ABOVE THE STAIRWAY ENCLOSURE AT 645 ELEVATION, AT THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
28	7	2-SV-96	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS SUCTION HEADER SAFETY VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - IN THE NORTHEAST REGION OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
29	7	2-SV-98N	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - EAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N, 6 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
30	7	2-SV-98S	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE HEADER SAFETY VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - SOUTHEAST REGION OF THE ROOM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
31	8	2-CCM-451	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE MIDDLE EAST REGION OF THE ROOM, 20' S-E OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, 5' ABOVE THE 596' ELEV. PLATFORM	609.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
32	8	2-CCM-452	0	COMPONENT COOLING WATER / RC PUMPS BEARING OIL COOLERS CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 12 FEET SOUTHWEST OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, 4 FEET ABOVE THE 596 ELEVATION PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
33	8	2-CCM-453	0	COMPONENT COOLING WATER / RCP THERMAL BARRIER COMPONENT COOLING WATER OUTLET TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 30 FEET SOUTHWEST OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE 596 ELEVATION PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
34	8	2-CCM-454	0	COMPONENT COOLING WATER / RC PUMPS THERMAL BARRIER CCW RETURN HEADER TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 30 FEET SOUTH OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE 596 ELEVATION PLATFORM	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
35	8	2-CCM-458	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'A' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 3 FEET SOUTH OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE EAST SIDE OF THE PIPE TUNNEL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
36	8	2-CCM-459	0	COMPONENT COOLING WATER / COMPONENT COOLING WATER TO REACTOR COOLANT PUMPS TRAIN 'B' CONTAINMENT ISOLATION VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - 6 FEET SOUTH OF STEAM GENERATOR STARTUP BLOWDOWN FLASHTANK #2-TK-49, ON THE EAST EDGE OF THE PIPE TUNNEL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
37	8	2-CMO-429	0	COMPONENT COOLING WATER / WEST RHR HEAT EXCHANGER HE-17W CCW OUTLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY - 25 FEET SOUTH OF THE FREIGHT ELEVATOR SOUTH DOOR, AT THE STAIR ENCLOSURE AT 645 EL., NEAR EAST WALL 15 FEET UP	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas Henry J. Jang 12/16/95 I.C. Huang J. Chen Huang 1-15-96
 Print or Type Name Signature Date Print or Type Name Signature Date

DC CO UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
38	8	2-FMO-221	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP PP-4 DISCHARGE TO STEAM GENERATOR OME-3-2 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTH PART OF THE ROOM, NEAR THE PIPE TUNNEL, 30 FEET SOUTH OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
39	8	2-FMO-222	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUPPLY TO STEAM GENERATOR OME-3-2 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTH PART OF THE ROOM, NEAR THE PIPE TUNNEL, 35 FEET SOUTH OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
40	8	2-FMO-231	0	AUXILIARY FEEDWATER / TURBINE DRIVEN AUXILIARY FEED PUMP SUPPLY TO STEAM GENERATOR OME-3-3 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTH END OF THE ROOM, NEAR THE PIPE TUNNEL, 40 FEET SOUTH OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
41	8	2-FMO-232	0	AUXILIARY FEEDWATER / EAST MOTOR DRIVEN AUXILIARY FEEDWATER PUMP PP-3E SUPPLY TO STEAM GENERATOR OME-3-3 4 MOTOR OPERATED CONTROL VALVE	AUXILIARY	591.00	STARTUP BLOWDOWN FLASHTANK RM - IN THE SOUTH END OF THE ROOM, NEAR THE PIPE TUNNEL, 45 FEET SOUTH OF STARTUP BLOWDOWN FLASHTANK #2-TK-49, NEAR THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
42	8	2-ICM-260	0	SAFETY INJECTION / NORTH SAFETY INJECTION PUMP PP-26N DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - ON THE NORTH WALL, 3 FEET NORTH OF NORTH SAFETY INJECTION PUMP #2-PP-26N, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
43	8	2-ICM-265	0	SAFETY INJECTION / SOUTH SAFETY INJECTION PUMP PP-26S DISCHARGE CONTAINMENT ISOLATION VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - IN THE SOUTHEAST REGION OF THE ROOM, 3 FEET SOUTHEAST OF SOUTH SAFETY INJECTION PUMP #2-PP-26S, ON THE EAST WALL	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
44	8	2-IMO-261	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TK-33 SUPPLY TO SAFETY INJECTION PUMPS SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - IN THE NORTHEAST CORNER OF THE ROOM, 3' NORTHEAST OF SOUTH SAFETY INJECTION PUMP #2-PP-26S, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
45	8	2-IMO-262	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - 5 FEET NORTHEAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N, ON THE EAST WALL, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
46	8	2-IMO-263	0	REFUELING WATER STORAGE TANK SUPPLY / SAFETY INJECTION PUMPS RECIRC TO REFUELING WATER STORAGE TANK TK-33 TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - ON THE EAST WALL, 3 FEET EAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N, 4 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
47	8	2-IMO-270	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSSTIE TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - IN THE SOUTHEAST PART OF THE ROOM, 5 FEET SOUTHEAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N, 5 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George G. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I.C. Huang
Signature

1-15-96
Date

DC COCONUT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
48	8	2-IMO-275	0	SAFETY INJECTION / SAFETY INJECTION PUMPS DISCHARGE CROSS TIE TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	S SAFETY INJ PMP RM - 2 FEET SOUTH OF SOUTH SAFETY INJECTION PUMP #2-PP-26S, AGAINST THE SOUTH WALL, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
49	8	2-IMO-360	0	SAFETY INJECTION / SAFETY INJECTION PUMPS TO CVCS CHARGING PUMPS SUCTION HEADER CROSS TIE SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM - IN THE SOUTHWEST PART OF THE ROOM, 5 FEET SOUTHWEST OF WEST CENTRIFUGAL CHARGING PUMP #2-PP-50W, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
50	8	2-IMO-361	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - IN THE SOUTHEAST CORNER OF THE ROOM, 3 FEET SOUTHEAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
51	8	2-IMO-362	0	SAFETY INJECTION / SAFETY INJECTION PUMPS SUCTION TO AND FROM CHARGING PUMPS SUCTION TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	N SAFETY INJ PMP RM - IN THE SOUTHEAST CORNER OF THE ROOM, 2' SOUTHEAST OF NORTH SAFETY INJECTION PUMP #2-PP-26N, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
52	8	2-IMO-390	0	RESIDUAL HEAT REMOVAL / REFUELING WATER STORAGE TANK TK-33 TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	AUXILIARY	591.00	VESTIBULE - IN THE NORTHWEST PART OF THE ROOM, 10 FEET NORTHEAST OF WEST VALVE ENCLOSURE TANK #2-TK-86	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
53	8	2-IMO-910	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CVCS CHARGING PUMPS SUCTION HEADER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - IN THE SOUTHWEST CORNER OF THE ROOM, 3 FEET SOUTHWEST OF RECIPROCATING CHARGING PUMP #2-PP-49, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
54	8	2-IMO-911	0	REFUELING WATER STORAGE TANK SUPPLY / REFUELING WATER STORAGE TANK TO CVCS CHARGING PUMPS SUCTION HEADER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM - IN THE SOUTHEAST PART OF THE ROOM, 2 FEET SOUTHEAST OF EAST CENTRIFUGAL CHARGING PUMP #2-PP-50E, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
55	8	2-QCM-350	0	REACTOR COOLANT PUMP SEAL WATER IN/LEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'B' CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	AUXILIARY	591.00	VESTIBULE - AT THE 601 ELEVATION PLATFORM, 10 FEET SOUTH OF WEST VALVE ENCLOSURE TANK #2-TK-86	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
56	8	2-QMO-200	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'A' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - IN THE SOUTHEAST CORNER OF THE ROOM, 3 FEET SOUTHEAST OF RECIPROCATING CHARGING PUMP #2-PP-49, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
57	8	2-QMO-201	0	CHARGING (CVCS) / CVCS CHARGING TO REGENERATIVE HEAT EXCHANGER TRAIN 'B' SHUTOFF VALVE	AUXILIARY	587.00	RECIPROCATING CHARG PMP RM - IN THE SOUTHEAST CORNER OF THE ROOM, 3 FEET SOUTHEAST OF RECIPROCATING CHARGING PUMP #2-PP-49, 3 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas George H. Chung 12/16/95 I.C. Huang Chen Huang 1-15-96
 Print or Type Name Signature Date Print or Type Name Signature Date

DC CO UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
58	8	2-QMO-225	0	CHARGING (CVCS) / EAST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	E CENTRIFUGAL CHARG PMP ROOM - IN THE SOUTHWEST AREA OF THE ROOM, 3 FEET SOUTHWEST OF EAST CENTRIFUGAL CHARGING PUMP #2-PP-50E, 2 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
59	8	2-QMO-226	0	CHARGING (CVCS) / WEST CENTRIFUGAL CHARGING PUMP MINI-FLOW TO RCP SEAL WATER HEAT EXCHANGER HE-11 2 MOTOR OPERATED SHUTOFF VALVE	AUXILIARY	587.00	W CENTRIFUGAL CHARG PMP RM - IN THE SOUTHWEST CORNER OF THE ROOM, 2' SOUTHWEST OF WEST CENTRIFUGAL CHARGING PUMP #2-PP-50W, 4 FEET ABOVE THE FLOOR	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
60	8	2-QMO-420	0	BORON MAKEUP (CVCS) / EMERGENCY BORATION TO CVCS CHARGING PUMPS SUCTION HEADER SHUTOFF VALVE	AUXILIARY	587.00	BORIC ACID STOR TANK AREA - IN THE SOUTHEAST REGION OF THE ROOM, 5 FEET EAST OF SOUTH BORIC ACID STORAGE TANK #2-TK-12S	587.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
61	8	2-WMO-712	0	ESSENTIAL SERVICE WATER / EAST CONTAINMENT SPRAY HEAT EXCHANGER HE-18E ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY - 30 FEET EAST OF THE UNIT 2 LETDOWN HEAT EXCHANGER ROOM'S DOORWAY, ON THE EAST WALL	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
62	8	2-WMO-716	0	ESSENTIAL SERVICE WATER / WEST CONTAINMENT SPRAY HEAT EXCHANGER ESSENTIAL SERVICE WATER INLET SHUTOFF VALVE	AUXILIARY	633.00	633 HALLWAY - 10 FEET EAST OF THE UNIT 2 LETDOWN HEAT EXCHANGER ROOM'S DOORWAY, INSIDE A FENCED-IN AREA	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

George G. Thomas
Print or Type Name

George H. Thomas
Signature

12/16/95
Date

I.C. Huang
Print or Type Name

I Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	14	2-BATT-AB-SH	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-AB AMMETER SHUNT	AUXILIARY	609.00	CRID INVERTER AREA - 2 FEET SOUTH OF CRID INVERTER III, ON THE WEST SIDE OF THE DIVIDING ROOM WALL, 5 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	14	2-BATT-CD-SH	0	250VDC DISTRIBUTION / PLANT BATTERY BATT-CD AMMETER SHUNT CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE NORTH END OF THE HALLWAY, 3 FEET EAST OF 250VDC TRAIN 'A' TRANSFER PANEL #2-TDCD, 5 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	14	2-BATT-N-SH	0	250VDC CONTROL AND I/ METERING SHUNT	AUXILIARY	633.00	633 HALLWAY -	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	14	2-BC-AB-SH	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGER AMMETER BC-AB SHUNT CABINET	AUXILIARY	609.00	CRID INVERTER AREA - 2 FEET SOUTH OF CRID INVERTER III, ON THE WEST SIDE OF THE DIVIDING ROOM WALL, 6 FEET ABOVE THE FLOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	14	2-BC-CD-SH	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGER BC-CD SHUNT CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE NORTH END OF THE HALLWAY, 3 FEET EAST OF 250VDC TRAIN 'A' TRANSFER PANEL #2-TDCD, 3 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	14	2-BCTC-AB	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGERS BC-AB1 AND BC-AB2 TRANSFER SWITCH CABINET	AUXILIARY	613.00	4KV ROOM - MEZZANINE AREA	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	14	2-BCTC-CD	0	250VDC DISTRIBUTION / PLANT BATTERY CHARGERS BC-CD1 AND BC-CD2 TRANSFER CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	14	2-CCV-AB	0	250VDC DISTRIBUTION / 250VDC TRAIN 'B' CRITICAL SOLENOID VALVES DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	14	2-CCV-CD	0	250VDC DISTRIBUTION / 250VDC TRAIN 'A' CRITICAL SOLENOID VALVES DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	14	2-CRAB	0	250VDC DISTRIBUTION / 250VDC CONTROL ROOM DISTRIBUTION PANEL CRAB	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE EAST REGION OF THE ROOM, ON THE EAST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	14	2-CRCD	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHWEST PART OF THE ROOM, ON THE WEST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	14	2-CRID-I	0	120V CONTROL ROOM IN / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL I DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	14	2-CRID-II	0	120V AC DISTRIBUTION / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL II DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL, 5 FEET ABOVE THE FLOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
14	14	2-CRID-III	0	120V CONTROL ROOM IN / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL III DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

Date

I.C. Huang
Print or Type Name

Signature

Date

12/14/95

1-15-96

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip. ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
15	14	2-CRID-IV	0	120V CONTROL ROOM IN / 120VAC CONTROL ROOM INSTRUMENT DISTRIBUTION CHANNEL IV DISTRIBUTION PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL, ON CONTROL ROOM SOUTHWEST INSTRUMENT/RELAY RACK #2-SWRR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	14	2-DCN	0	250VDC CONTROL AND I / 250VDC POWER PANEL	AUXILIARY	633.00	633 HALLWAY - IN THE SOUTHEAST CORNER OF THE ROOM, NEAR SOUTH WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	14	2-MCAB	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION PANEL MCAB	AUXILIARY	609.00	AB BATTERY EQUIP AREA - IN THE MIDDLE SOUTH REGION OF THE ROOM	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
18	14	2-MCCD	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION POWER PANEL	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE NORTH END OF THE HALLWAY, ON THE WEST WALL, 10 FEET SOUTHWEST OF THE ROOM'S ENTRANCE DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	14	2-MDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATTERY EQUIP AREA - IN THE MIDDLE SOUTH PART OF THE ROOM, ON THE SOUTH WALL	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	14	2-MDCD	0	250VDC DISTRIBUTION / 250VDC DISTRIBUTION PANEL MDCD	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE NORTH END OF THE HALLWAY, ON THE WEST WALL, 10 FEET SOUTHWEST OF THE ROOM'S ENTRANCE DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	14	2-SSV-A1	0	250VDC DISTRIBUTION / 250VDC TRAIN 'A' NUCLEAR SAMPLING FEEDER PANEL #1	AUXILIARY	587.00	NUCLEAR SAMPLING RM - IN THE MIDDLE OF THE ROOM, ON THE NORTH END OF NUCLEAR SAMPLING SYSTEM CONTROL PANEL #2-SCP, 6 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	14	2-SSV-A2	0	250VDC DISTRIBUTION / 250VDC NUCLEAR SAMPLING FEEDER PANEL #2	AUXILIARY	587.00	NUCLEAR SAMPLING RM - IN THE MIDDLE OF THE ROOM, ON THE NORTH END NUCLEAR SAMPLING SYSTEM SAMPLING CONTROL PANEL #2-SCP, 3 FEET ABOVE THE FLOOR	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
23	14	2-SSV-B	0	250VDC DISTRIBUTION / POWER PANEL	AUXILIARY	587.00	NUCLEAR SAMPLING RM - IN THE MIDDLE SOUTHEAST REGION OF THE ROOM, ON THE SOUTH END OF THE ROOM P	587.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
24	14	2-TDAB	0	250VDC DISTRIBUTION / 250 VDC POWER PANEL	AUXILIARY	609.00	AB BATTERY EQUIP AREA - IN THE SOUTHEAST REGION OF THE ROOM, 6 FEET SOUTH OF THE ENTRANCE DOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	14	2-TCDD	0	250VDC DISTRIBUTION / POWER PANEL, TRAIN A TRANSFER CABINET	AUXILIARY	626.00	CD BATTERY EQUIP AREA - AT THE NORTH END OF THE HALLWAY, ON THE WEST WALL, 10 FEET SW OF THE ROOM	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
26	14	2-VDAB-1	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDAB-1	AUXILIARY	633.00	CONTROL ROOM - BEHIND CONDENSATE CONTROL PUMP PANEL #2-CP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
27	14	2-VDAB-2	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDAB-2	AUXILIARY	633.00	CONTROL ROOM - ON THE REAR SIDE OF CONDENSATE PUMP CONTROL PANEL #2-CP	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
28	14	2-VDCC-1	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDCC-1	AUXILIARY	633.00	CONTROL ROOM - NEAR THE REAR OF BORIC ACID CHARGING AND LETDOWN CONTROL PANEL #2-BA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
29	14	2-VDCC-2	0	250VDC DISTRIBUTION / 250VDC VALVE DISTRIBUTION PANEL VDCC-2	AUXILIARY	633.00	CONTROL ROOM - NEAR THE REAR OF BORIC ACID CHARGING AND LETDOWN CONTROL PANEL #2-BA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
30	15	2-BATT-AB	0	250VDC DISTRIBUTION / PLANT BATTERY AB	AUXILIARY	609.00	AB BATTERY EQUIP AREA - IN THE CENTER OF THE ROOM, 3 FEET NORTH OF THE ENTRANCE DOOR	609.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	No	Yes	Yes	No

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

Date

I.C. Huang
Print or Type Name

Signature

Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
31	15	2-BATT-CD	0	250VDC DISTRIBUTION / PLATT BATTERY CD	AUXILIARY	626.00	CD BATTERY EQUIP AREA - IN THE CENTER OF THE SOUTH END OF THE ROOM	609.00	Yes	Bounding Spectrum vs SSE Ground Response Spectrum	Yes	No	Yes	Yes	No
32	15	2-BATT-N	0	250VDC CONTROL AND I / TRAIN 'N' PLANT BATTERY	AUXILIARY	633.00	633 HALLWAY - 2-DCN	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

I.C. Huang
Print or Type Name

Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	1-TSC-VO-07	0	NONE / TSC COMPUTER INPUT/OUTPUT CABINET #07	AUXILIARY	633.00	HALLWAY, IN THE NW PART OF THE HALLWAY, 20' W OF CONT AUX SUBPANEL # 1-CAS	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
2	20	1-TSC-VO-09	0	NONE / TSC COMPUTER INPUT/OUTPUT CABINET #9	AUXILIARY	633.00	HALLWAY, IN THE NW PART OF HALLWAY, 20' W OF CONT AUX SUBPANEL #1-CAS.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	20	1-TSC-VO-13	0	NONE / TSC COMPUTER INPUT/OUTPUT CABINET #13	AUXILIARY	633.00	HALLWAY, IN THE NW PART OF HALLWAY, 20' W OF CONT AUX SUBPANEL #1-CAS.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	1-TSC-VO-15	0	COMPUTER SUPPORT SYS / TSC COMPUTER INPUT/OUTPUT CABINET #15	AUXILIARY	633.00	HALLWAY, IN THE NW PART OF THE HALLWAY, 20' W OF CONT. AUX SUBPANEL #1-CAS.	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

Tom Huang
Print or Type Name

Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	20	2-CR	0	MISCELLANEOUS EQUIPM / CONDENSATE PANEL REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST REGION OF THE ROOM, NEAR THE REAR OF CONDENSATE HEATER LEVEL CONTROL PANEL #2-C	633.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	20	2-EFR	0	MISCELLANEOUS EQUIPM / EMERGENCY FIRE PANEL INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHEAST REGION OF THE ROOM, NEAR THE REAR OF VENTILATION CONTROL PANEL #2-VS, 1 FOOT SOUTH OF THE DOOR	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
3	20	2-GR-1	0	MISCELLANEOUS EQUIPM / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #1	AUXILIARY	633.00	CONTROL ROOM - IN THE NORTHWEST REGION OF THE ROOM, ON REAR SIDE OF MAIN GENERATOR CONTROL PANEL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
4	20	2-GR-2	0	MISCELLANEOUS EQUIPM / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR MAIN GENERATOR CONTROL PANEL #2-G, 5 FEET SOUTHWEST OF THE DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
5	20	2-GRB	0	MISCELLANEOUS EQUIPM / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK 'B'	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR MAIN GENERATOR CONTROL PANEL #2-G, 7 FEET SOUTHWEST OF THE REAR PANEL ACCESS DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
6	20	2-GRC	0	MISCELLANEOUS EQUIPM / GENERATOR PANEL REAR INSTRUMENT/RELAY RACK 'C'	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE NORTHWEST REGION OF THE ROOM, ON THE REAR SIDE OF MAIN GENERATOR CONTROL PANEL #2-G, 9 FEET SOUTHWEST OF	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
7	20	2-IV	0	CONTAINMENT SPRAY / CONTAINMENT ISOLATION VALVE CONTROL PANEL	AUXILIARY	633.00	CONTROL PANEL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
8	20	2-NSR	0	MISCELLANEOUS EQUIPM / NUCLEAR INSTRUMENTATION SYSTEM REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE REGION OF THE ROOM, ON THE REAR OF CONTROL PANEL #2-NIS-III, 15 FEET SOUTHEAST OF THE DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
9	20	2-RHR	0	RESIDUAL HEAT REMOVA / RESIDUAL HEAT REMOVAL CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST PART OF THE ROOM, 14 FEET SOUTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
10	20	2-SIS	0	SAFETY INJECTION / SAFETY INJECTION CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST PART OF THE ROOM, 13 FEET EAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
11	20	2-SPY	0	CONTAINMENT SPRAY / CONTAINMENT SPRAY CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE EAST PART OF THE ROOM, 14 FEET NORTHEAST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
12	20	2-SR1	0	MISCELLANEOUS EQUIPM / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #1	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, ON THE REAR SIDE OF STATION AUXILIARIES CONTROL PANEL #2-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
13	20	2-SR2	0	MISCELLANEOUS EQUIPM / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #2	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR THE REAR SIDE OF STATIONAUXILIARIES CONTROL PANEL #2-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

Tom Huang
Print or Type Name


Signature

1-15-96
Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
14	20	2-SR3	0	MISCELLANEOUS EQUIPM / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #3	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR THE REAR OF STATION AUXILIARIES CONTROL PANEL #2-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
15	20	2-SR4	0	MISCELLANEOUS EQUIPM / STATION AUXILIARIES REAR INSTRUMENT/RELAY RACK #4	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE NORTHWEST REGION OF THE ROOM, NEAR THE REAR OF CONTROL PANEL #2-SA	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
16	20	2-SSR	0	MISCELLANEOUS EQUIPM / ENGINEER SAFETY SYSTEM REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHEAST REGION OF THE ROOM, ON THE REAR SIDE OF SAFETY INJECTION CONTROL PANEL #2-SIS, NEAR THE EMERGENCY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
17	20	2-SWR	0	MISCELLANEOUS EQUIPM / NUCLEAR INSTRUMENTAL SOURCE RANGE N21 INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - ON THE MIDDLE OF THE EAST WALL, NEAR THE REAR OF ESSENTIAL SERVICE WATER CONTROL PANEL #2-ESW	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
18	20	2-SWRR	0	MISCELLANEOUS EQUIPM / CONTROL ROOM SOUTHWEST INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE SOUTHWEST CORNER OF THE ROOM, ON THE WEST WALL	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
19	20	2-TRB	0	MISCELLANEOUS EQUIPM / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'B'	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR THE REAR SIDE OF CONTROL PANEL #2-T, ON TURBINE PANEL REAR INSTRUMENT/RELAY RACK #2-TR4	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
20	20	2-TRD	0	MISCELLANEOUS EQUIPM / TURBINE PANEL REAR INSTRUMENT/RELAY RACK 'D'	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR THE REAR SIDE OF CONTROL PANEL #2-T, 25 FEET SOUTHWEST OF THE REAR PANEL ACCESS DOORWAY	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
21	20	2-TRE	0	MISCELLANEOUS EQUIPM / TURBINE PANEL REAR INSTRUMENT/RELAY RACK	AUXILIARY	633.00	CONTROL ROOM - IN THE MIDDLE WEST REGION OF THE ROOM, NEAR THE REAR OF CONTROL PANEL #2-T, NEAR TURBINE PANEL REAR INSTRUMENT/RELAY RACK #2-TRF	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
22	20	2-TSC-VO-07	0	COMPUTER SUPPORT SYS / TSC COMPUTER INPUT/OUTPUT CABINET #07	AUXILIARY	633.00	633 HALLWAY -	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
23	20	2-TSC-VO-09	0	COMPUTER SUPPORT SYS / TSC COMPUTER INPUT/OUTPUT CABINET #9	AUXILIARY	633.00	633 HALLWAY -	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
24	20	2-TSC-VO-13	0	NONE / TSC COMPUTER INPUT/OUTPUT CABINET #13	AUXILIARY	633.00	633 HALLWAY -	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
25	20	2-TSC-VO-15	0	COMPUTER SUPPORT SYS / TSC COMPUTER INPUT/OUTPUT CABINET #15	AUXILIARY	633.00	633 HALLWAY -	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
26	20	2-VS	0	CONTAINMENT VENTILATION / VENTILATION CONTROL PANEL	AUXILIARY	633.00	CONTROL ROOM, IN THE NORTHEAST SECTION OF THE ROOM, 34 FET NORTHWEST OF THE UNIT SUPERVISOR'S DESK	633.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

Tom Huang
Print or Type Name

Signature

1-15-96
Date

DC CO UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
1	0	2-TK-253-1	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VLV NRV-153 RESERVE CONTROL AIR BOTTLE RACK	CONTAINMENT	612.00	LOWER CONT. QUAD NO. 3 - 2 FEET BELOW THE PRESSURIZER DECK, 15 FEET FROM REACTOR COOLANT PUMP #2-PP-45-3	650.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
2	0	2-TK-253-2	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VLV NRV-153 RESERVE CONTROL AIR BOTTLE RACK	CONTAINMENT	612.00	LOWER CONT. QUAD NO. 4 - 2 FEET BELOW THE PRESSURIZER DECK	625.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
3	0	2-TK-253-3	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VLV NRV-152 EMERGENCY AIR BOTTLE RACK	CONTAINMENT	650.00	UPPER CONT. QUAD 4 - ON THE OUTSIDE OF THE PRESSURIZER ENCLOSURE, 1 FOOT ABOVE THE FLOOR	650.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
4	0	2-TK-253-4	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VLV NRV-153 EMERGENCY AIR BOTTLE RACK	CONTAINMENT	650.00	UPPER CONT. QUAD 4 - ON THE OUTSIDE OF THE PRESSURIZER ENCLOSURE, 1 FOOT ABOVE THE FLOOR	650.00	N/A	Judgment vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
5	7	2-GRV-341	0	NITROGEN (REACTOR PLANT SERVICE) / NITROGEN SUPPLY TO ACCUMULATOR TANKS VENT VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 1 FOOT FROM COLUMN #2	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
6	7	2-IRV-112	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-1 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA - ON THE CRANEWALL SIDE OF THE WALKWAY, 3 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
7	7	2-IRV-122	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-2 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #2 AREA - ON THE CRANEWALL SIDE OF THE WALKWAY, AT THE BASE OF ACCUMULATOR TANK #2-OME-6-2	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
8	7	2-IRV-132	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-3 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA - ON THE CRANEWALL SIDE OF THE WALKWAY, 3 FEET FROM THE ACCUMULATOR TANK #2-OME-6-3	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
9	7	2-IRV-142	0	NITROGEN (REACTOR PLANT SERVICE) / ACCUMULATOR TANK OME-6-4 NITROGEN SUPPLY/VENT VALVE	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA -	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
10	7	2-IRV-149	0	RESIDUAL HEAT REMOVAL / WEST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 AND #3 0.75 AIR OPERATED TEST (GLOBE) VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM - NEAR THE CONTAINMENT WALL, BELOW CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2-HV-CEQ-2, NEAR COLUMN #26,	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
11	7	2-IRV-150	0	RESIDUAL HEAT REMOVAL / EAST RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #1 AND #4 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM - NEAR THE CONTAINMENT WALL, BELOW THE 612 ELEVATION STAIRWAY, 10 FEET FROM COLUMN #27, 2 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
12	7	2-IRV-156	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-1 0.75 AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #1 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1 - ON THE CRANEWALL SIDE OF THE WALKWAY, 12 FEET FROM COLUMN #4, 6 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

Date

I.C. Huang
Print or Type Name

Signature

Date

12/14/95

S. Chen Huang
Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
13	7	2-IRV-157	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM - NEAR THE CONTAINMENT WALL, 1 FOOT FROM COLUMN #26, 1 FOOT ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
14	7	2-IRV-158	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT PUMPS #1 AND #4 0.75 AIR OPERATED TEST VALVE	CONTAINMENT	612.00	HV-CEQ-2 FAN RM - ON THE CONTAINMENT WALL, BELOW THE 612 ELEVATION STAIRWAY, 12 FEET FROM COLUMN #27, 2 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
15	7	2-IRV-166	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-2 0.75 AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #2 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET FROM COLUMN #23, 7 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
16	7	2-IRV-176	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-3 0.75 AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #3 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - ON THE CRANEWALL SIDE OF THE WALKWAY, 5 FEET FROM COLUMN #17, 3 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
17	7	2-IRV-186	0	RESIDUAL HEAT REMOVAL / ACCUMULATOR TANK OME-6-4 1 AIR OPERATED OUTLET AND SAFETY INJECTION TO RC LOOP #4 COLD LEG TEST VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4 - ON THE CRANEWALL SIDE OF THE WALKWAY, 8 FEET FROM COLUMN #9, 1 FOOT ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
18	7	2-IRV-50	0	BORON INJECTION / BORON INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 6 FEET FROM COLUMN #25, 1 FOOT ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
19	7	2-IRV-60	0	SAFETY INJECTION / SAFETY INJECTION TO ACCUMULATOR FILL LINE CONTROL VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 6 FEET FROM COLUMN #26, 1 FOOT ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
20	7	2-MRV-151	0	NUCLEAR SAMPLING / STEAM GENERATOR #1 STEAM SAMPLE MSX-101 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 8 FEET FROM COLUMN #6, 2 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
21	7	2-MRV-153	0	NUCLEAR SAMPLING / STEAM GENERATOR #3 STEAM SAMPLE MSX-103 SAMPLE SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM - ON THE CRANEWALL SIDE OF THE WALKWAY	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
22	7	2-NRV-101	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #1 HOT LEG SAMPLE NSX-101 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 1 - ON THE CONTAINMENT WALL SIDE OF WALKWAY, NEAR COLUMN #5, 7 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
23	7	2-NRV-102	0	NUCLEAR SAMPLING / PRESSURIZER LIQUID SPACE SAMPLE NSX-102 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, AT THE 622 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
24	7	2-NRV-103	0	NUCLEAR SAMPLING / REACTOR COOLANT LOOP #3 HOT LEG SAMPLE NSX-103 SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 5 FEET FROM COLUMN #19, 10 FEET ABOVE THE FLOOR, ABOVE A CABLE TRAY	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
25	7	2-NRV-104	0	NUCLEAR SAMPLING / PRESSURIZER STEAM SPACE SAMPLE NSX-104 SHUTOFF VALVE	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, AT THE 622 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
26	7	2-NRV-151	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE 686 ELEVATION PLATFORM, NORTHWEST OF THE LADDER	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
27	7	2-NRV-152	0	PRESSURIZER / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
28	7	2-NRV-153	0	PRESSURIZER / PRESSURIZER OME-4 TRAIN 'A' PRESSURE RELIEF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
29	7	2-QRV-10	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #1 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1 - BY REACTOR COOLANT PUMP #2-PP-45-1 AND THE CRANEWALL, ON THE CRANEWALL SIDE OF THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
30	7	2-QRV-111	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4 - INSIDE THE CRANEWALL DOOR AND EAST	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
31	7	2-QRV-112	0	LETDOWN (CVCS) / REACTOR COOLANT NORMAL LETDOWN TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4 - INSIDE THE CRANEWALL DOOR AND EAST	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
32	7	2-QRV-113	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED TRAIN 'B' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4 - INSIDE THE CRANEWALL DOOR AND EAST	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
33	7	2-QRV-114	0	LETDOWN (CVCS) / REACTOR COOLANT EXCESS LETDOWN TO EXCESS LETDOWN HEAT EXCHANGER HE-13 1 AIR OPERATED TRAIN 'A' SHUTOFF VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4 - INSIDE THE CRANEWALL DOOR AND EAST	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
34	7	2-QRV-150	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMPS STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTER QC-109 0.75 AIR OPERATED SHUTOFF VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY, 6 FEET FROM COLUMN #23, 2 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
35	7	2-QRV-20	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #2 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	625.00	LOWER CONT, QUAD NO. 2 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-2 AND THE SHIELD WALL, ON THE 625 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

Date

I.C. Huang
Print or Type Name

Signature

Date

12/14/95

1-15-96

DC CO UNIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column*	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
36	7	2-QRV-30	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #3 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 3 - ON THE GRATING BY REACTOR COOLANT PUMP #2-PP-45-3 SEAL, 3 FEET ABOVE THE PLATFORM	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
37	7	2-QRV-40	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / REACTOR COOLANT PUMP #4 SEAL #1 LEAKOFF TO RCP SEAL WATER RETURN FILTER QC-109 2 AIR OPERATED SHUTOFF GLOBE VALVE	CONTAINMENT	612.00	LOWER CONT, QUAD NO. 4 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-4 AND STEAM GENERATOR #2-OME-3-4 ON THE 618 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
38	7	2-SV-102	0	RESIDUAL HEAT REMOVAL / RESIDUAL HEAT REMOVAL TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON CRANE WALL SIDE OF WALKWAY, ABOVE THE SUMP	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
39	7	2-SV-103	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON CRANEWALL SIDE OF WALKWAY	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
40	7	2-SV-122-23	0	CCW / REACTOR SUPPORT COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 10 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
41	7	2-SV-45A	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'A'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE INTERIOR WALL OF PRESSURIZER #2-OME-4, AT THE 680 ELEVATION PLATFORM	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
42	7	2-SV-45B	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'B'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE NORTH SIDE OF THE PRESSURIZER, 686 ELEVATION PLATFORM	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
43	7	2-SV-45C	0	PRESSURIZER / PRESSURIZER OME-4 SAFETY VALVE 'C'	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE INTERIOR WALL OF PRESSURIZER #2-OME-4, ON THE 680 ELEVATION PLATFORM	688.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
44	7	2-SV-50	0	REACTOR COOLANT PUMP SEAL WATER INJ/LEAKOFF / RC PUMPS SEAL #1 AND STARTUP SEAL SYSTEM BYPASS TO SEAL WATER RETURN FILTERS SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - NEAR THE CRANEWALL SIDE OF THE WALKWAY, 8 FEET FROM COLUMN #20, 3 FEET FROM THE CRANEWALL, 9 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
45	7	2-SV-51	0	LETDOWN (CVCS) / REGENERATIVE HEAT EXCHANGER HE-12 LETDOWN OUTLET SAFETY VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4 - 5 FEET NORTHWEST OF COLUMN #10, 7 FEET FROM THE CRANEWALL, 8 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
46	7	2-SV-63	0	CCW / REACTOR COOLANT PUMP MOTORS BEARING OIL COOLERS CCW RETURN HEADER SAFETY VALVE	CONTAINMENT	612.00	WCONT LOWER VENT RM - BETWEEN THE CONTAINMENT WALL AND THE HV-CLV-2 FAN BY COL #22, 3 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
47	8	2-ICM-111	0	RESIDUAL HEAT REMOVAL / RHR TO REACTOR COOLANT LOOPS #2 & #3 COLD LEGS CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY, BETWEEN COLUMN #24 AND #25	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
48	8	2-ICM-129	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION CONTAINMENT ISOLATION VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY, 8 FEET FROM COLUMN #24, 2 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
49	8	2-IMO-128	0	RESIDUAL HEAT REMOVAL / REACTOR COOLANT LOOP #2 HOT LEG TO RESIDUAL HEAT REMOVAL PUMPS SUCTION SHUTOFF VALVE	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2 - BETWEEN STEAM GENERATOR #2-OME-3-2 AND REACTOR COOLANT PUMP #2-PP-45-2, NEAR THE SHIELD WALL, 4 FEET BELOW THE	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
50	8	2-IMO-315	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM - BETWEEN THE LADDER AND VENT UNIT #2-HV-CLV-4, 7 FEET FROM COLUMN #7	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
51	8	2-IMO-316	0	RESIDUAL HEAT REMOVAL / EAST RHR AND NORTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #1 AND #4 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	E CONT LOWER VENT RM - BETWEEN THE LADDER AND VENT UNIT #2-HV-CLV-4, 5 FEET FROM COLUMN #7	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
52	8	2-IMO-325	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 HOT LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM - BETWEEN THE LADDER AND VENT UNIT #2-HV-CLV-3, 7 FEET FROM COLUMN #20, 4 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
53	8	2-IMO-326	0	RESIDUAL HEAT REMOVAL / WEST RHR AND SOUTH SAFETY INJECTION TO REACTOR COOLANT LOOPS #2 AND #3 COLD LEGS SHUTOFF VALVE	CONTAINMENT	612.00	W CONT LOWER VENT RM - BETWEEN THE LADDER AND VENT UNIT #2-HV-CLV-3, 5 FEET FROM COLUMN #20, 4 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
54	8	2-NMO-151	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-151 UPSTREAM 3 MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - NEAR THE 686 ELEVATION PLATFORM, NORTHWEST OF THE LADDER	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
55	8	2-NMO-152	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-152 UPSTREAM 3 MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - NEAR THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
56	8	2-NMO-153	0	PRESSURIZER / PRESSURIZER RELIEF VALVE NRV-153 UPSTREAM 3 MOTOR OPERATED SHUTOFF VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - NEAR THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	No	Yes	N/A	Yes	No
57	8	2-NSO-21	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA - ABOVE THE CONTROL ROD DRIVE MECHANISM, ON THE REACTOR HEAD	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
58	8	2-NSO-22	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	621.00	RCTR VESSEL HEAD AREA - ABOVE THE CONTROL ROD DRIVE MECHANISM, ON THE REACTOR HEAD	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

i.C. Huang
Print or Type Name


Signature

1-15-96
Date

SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
59	8	2-NSO-23	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	621.00	RCSTR VESSEL HEAD AREA - ABOVE THE CONTROL ROD DRIVE MECHANISM, ON THE REACTOR HEAD	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
60	8	2-NSO-24	0	REACTOR COOLANT SYSTEM VENTS / REACTOR VESSEL OME-1 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	621.00	RCSTR VESSEL HEAD AREA - ABOVE THE CONTROL ROD DRIVE MECHANISM, ON THE REACTOR HEAD	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
61	8	2-NSO-61	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - IN THE PRESSURIZER ENCLOSURE, AT TOP OF PRESSURIZER, ON CONTAINMENT WALL, AT 680 ELEVATION PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
62	8	2-NSO-62	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'A' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - IN THE PRESSURIZER ENCLOSURE, ON CONTAINMENT WALL, AT 680 ELEVATION PLATFORM, AT TOP OF PRESSURIZER	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
63	8	2-NSO-63	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - IN THE PRESSURIZER ENCLOSURE, AT TOP OF PRESSURIZER, ON CONTAINMENT WALL, AT 680 ELEVATION PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
64	8	2-NSO-64	0	REACTOR COOLANT SYSTEM VENTS / PRESSURIZER OME-4 POST-ACCIDENT VENT TRAIN 'B' SOLENOID VALVE	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - IN THE PRESSURIZER ENCLOSURE, AT TOP OF PRESSURIZER, ON CONTAINMENT WALL, AT 680 ELEVATION PLATFORM	688.00	N/A	Test Data vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Yes	N/A	Yes	Yes
65	8	2-QCM-250	0	REACTOR COOLANT PUMP SEAL WATER INJLEAKOFF / REACTOR COOLANT PUMP SEAL WATER RETURN TRAIN 'A' CONTAINMENT ISOLATION 4 MOTOR OPERATED VALVE	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
66	8	2-XSO-505	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE NRV-152 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER, NEAR AIR OPERATED VALVE #2-NRV-152	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Unk	N/A	Yes	Yes
67	8	2-XSO-507	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE NRV-153 CONTROL SOLENOID	CONTAINMENT	650.00	PRESSURIZER ENCL, INTERIOR - ON THE 686 ELEVATION PLATFORM, NORTH OF THE LADDER, NEAR AIR OPERATED VALVE #2-NRV-153	688.00	N/A	MOV-GERS vs. Amplified Realistic Median Centered Floor Response Spectra	Yes	Unk	N/A	Yes	Yes
68	9	2-HV-CEQ-1	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #1	CONTAINMENT	625.00	HV-CEQ-1 FAN RM - IN THE MIDDLE OF THE ROOM	625.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
69	9	2-HV-CEQ-2	0	HYDROGEN SKIMMER / CONTAINMENT HYDROGEN SKIMMER VENTILATION FAN #2	CONTAINMENT	625.00	HV-CEQ-2 FAN RM - CEQ FANS ARE NEEDED FOR ACCIDENTS AND WILL NOT BE ACTIVATED	625.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
70	18	2-BLI-110	0	STEAM GENERATING / STEAM GENERATOR OME-3-1 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #1 AREA - NEAR THE CRANEWALL SIDE OF THE ROOM, 10 FEET FROM COLUMN #3, NEAR VENT UNIT #2-HV-CLV-1, ON A SUPPORT RACK, 4 FEET ABOVE	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
71	18	2-BLI-120	0	STEAM GENERATING / STEAM GENERATOR OME-3-2 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	WCONT LOWER VENT RM - ON THE CRANEWALL SIDE OF THE ROOM, 8 FEET FROM COLUMN #21, ON A SUPPORT RACK, 5 FEET ABOVE THE FLOOR	612.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name


Signature

12/14/95
Date

I.C. Huang
Print or Type Name


Signature

1-15-96
Date



SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq Cl	Equip ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
72	18	2-BLI-130	0	STEAM GENERATING / STEAM GENERATOR OME-3-3 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #3 AREA - ON THE CRANEWALL SIDE OF THE ROOM, 10 FEET FROM COLUMN #18, 5 FEET FROM ACCUMULATOR TANK #2-OME-6-3, 4 FEET ABOVE THE	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
73	18	2-BLI-140	0	STEAM GENERATING / STEAM GENERATOR OME-3-4 WIDE RANGE LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	ACCUMULATOR TANK #4 AREA - NEAR THE CRANEWALL SIDE OF ACCUMULATOR TANK #2-OME-6-4, 10 FEET FROM COLUMN #10, 7 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
74	18	2-HFI-52	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #2 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 2 - ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET FROM COLUMN #23, 6 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
75	18	2-HFI-53	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #3 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 3 - ON THE CRANEWALL SIDE OF THE WALKWAY, 12 FEET FROM COLUMN #18, 6 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
76	18	2-HFI-54	0	BORON INJECTION / BORON INJECTION TO REACTOR COOLANT LOOP #4 FLOW INDICATOR TRANSMITTER	CONTAINMENT	598.00	ANNULUS, QUAD NO. 4 - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, NEAR COLUMN #8, 13 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
77	18	2-NLI-151	0	PRESSURIZER / PRESSURIZER OME-4 LEVEL INDICATOR TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, INSIDE A METAL SHIELD BOX, 4 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
78	18	2-NLP-151	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL I LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 5 FEET WEST OF THE 612 AIRLOCK DOOR, 4 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
79	18	2-NLP-152	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL II LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, ACROSS FROM THE ANNULUS HATCH, 3 FEET FROM COLUMN #13, 3 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
80	18	2-NLP-153	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL III LEVEL TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 8 FEET EAST OF THE 612 AIRLOCK DOORWAY, 3 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
81	18	2-NPP-151	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL I PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 6 FEET FROM THE 612 AIRLOCK DOOR, 4 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
82	18	2-NPP-152	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL II PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, 1 FOOT FROM COLUMN #13, 3 FEET ABOVE THE FLOOR	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
83	18	2-NPP-153	0	PRESSURIZER / PRESSURIZER OME-4 PROTECTION CHANNEL III PRESSURE TRANSMITTER	CONTAINMENT	612.00	INSTRUMENTATION RM - ON THE CRANEWALL SIDE OF THE WALKWAY, 10 FEET EAST OF THE 612 AIRLOCK DOORWAY, AT THE FOOT OF THE STAIRS TO THE 625	612.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
84	18	2-NPS-121	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	612.00	WCNT LOWER VENT RM - ON THE CONTAINMENT WALL SIDE OF THE WALKWAY, NEAR #2-CPN-27, 5 FEET ABOVE THE FLOOR	612.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/19/95
Date

I.C. Huang
Print or Type Name

Signature

1-15-96
Date

1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that this is crucial for the company's financial health and for providing reliable information to stakeholders.

2. The second part of the document outlines the specific procedures for recording transactions. It details the steps from initial entry to final review, ensuring that all necessary information is captured and verified.

3. The third part of the document addresses the role of the accounting department in this process. It highlights the need for clear communication and collaboration between different departments to ensure the accuracy of the data.

4. The fourth part of the document discusses the importance of regular audits and reviews. It explains how these processes help to identify any discrepancies or errors and ensure that the records are up-to-date and accurate.

5. The fifth part of the document provides a summary of the key points discussed and offers some final thoughts on the importance of maintaining accurate records. It concludes by stating that this is a fundamental aspect of good business practice.



DC CONTINUIT 2
SCREENING VERIFICATION DATA SHEET (SVDS)

Item	Eq. CI	Equip.ID No.	Rev No	System/Equipment Description	Building	Floor Elev.	Room or Row/Column	Base Elev.	<40'	Capacity vs. Demand Basis	Cap > Demand?	Caveats OK?	Anchor OK?	Interact OK?	Equip OK?
85	18	2-NPS-122	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 HOT LEG WIDE RANGE PRESSURE TRANSMITTER	CONTAINMENT	612.00	E CONT LOWER VENT RM - ON THE CRANEWALL SIDE, 10 FEET FROM COLUMN #5, 5 FEET ABOVE THE FLOOR	612.00	N/A	1.5 x Bounding Spectrum vs. Realistic Median Centered Floor Response Spectra	Yes	Yes	Yes	Yes	Yes
86	18	2-NRI-21	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY -	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
87	18	2-NRI-23	0	NUCLEAR INSTRUMENTATION / NUCLEAR INSTRUMENTATION SOURCE RANGE RADIATION DETECTOR	CONTAINMENT	626.00	REACTOR CAVITY - AZ 270.	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
88	18	2-XRV-RACK-152	0	CONTROL AIR / PRESSURIZER TRAIN 'B' PRESSURE RELIEF VALVE NRV-152 VALVE RACK EMERGENCY AIR PRESSURE REGULATOR	CONTAINMENT	650.00	CONTROL AIR/N2	650.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
89	18	2-XRV-RACK-153	0	CONTROL AIR / PRESSURIZER TRAIN 'A' PRESSURE RELIEF VALVE #NRV-153 VALVE RACK EMERGENCY AIR PRESSURE REGULATOR	CONTAINMENT	650.00	CONTROL AIR/N2	650.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	Yes	Yes	Yes
90	19	2-NTR-110	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	598.00	LOWER CONT, QUAD NO. 1 - ON THE SHIELD WALL SIDE OF STEAM GENERATOR #2-OME-3-1, 20 FEET ABOVE THE FLOOR	598.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
91	19	2-NTR-120	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2 - ON THE SHIELD WALL SIDE OF STEAM GENERATOR #2-OME-3-2, ON THE 621 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
92	19	2-NTR-130	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	625.00	LOWER CONT, QUAD NO. 3 - ON THE SHIELD WALL SIDE OF STEAM GENERATOR #2-OME-3-3, ON THE 621 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
93	19	2-NTR-140	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 HOT LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 4 - ON THE SHIELD WALL SIDE OF STEAM GENERATOR #2-OME-3-4, 2 FEET ABOVE THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
94	19	2-NTR-210	0	REACTOR COOLANT / REACTOR COOLANT LOOP #1 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 1 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-1 AND THE SHIELD WALL, ON THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
95	19	2-NTR-220	0	REACTOR COOLANT / REACTOR COOLANT LOOP #2 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 2 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-2 AND THE SHIELD WALL, ON THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
96	19	2-NTR-230	0	REACTOR COOLANT / REACTOR COOLANT LOOP #3 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 3 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-3 AND THE SHIELD WALL, ON THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes
97	19	2-NTR-240	0	REACTOR COOLANT / REACTOR COOLANT LOOP #4 COLD LEG WIDE RANGE TEMPERATURE RECORDER THERMAL SENSOR	CONTAINMENT	617.00	LOWER CONT, QUAD NO. 4 - BETWEEN REACTOR COOLANT PUMP #2-PP-45-4 AND THE SHIELD WALL, ON THE 617 ELEVATION PLATFORM	625.00	Yes	Bounding Spectrum vs. SSE Ground Response Spectrum	Yes	Yes	N/A	Yes	Yes

Certification:

All the information contained on this Screening Verification Data Sheet (SVDS) is, to the best of our knowledge and belief, correct and accurate. "All information" includes each entry and conclusion (whether verified to be seismically adequate or not).

Approved: (Signatures of all Seismic Capability Engineers on the Seismic Review Team (SRT) are required; there should be at least two on the SRT. All signatories should agree with all the entries and conclusions. One signatory should be a licensed professional engineer.)

Stephen Anagnostis
Print or Type Name

Signature

12/14/95
Date

I.C. Huang
Print or Type Name

Signature

1-15-96
Date