

ATTACHMENT A
UNIT 2 AMENDMENT NO. 127
APPROVED TECHNICAL SPECIFICATIONS

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5.5 Procedures, Programs, and Manuals

5.5.2.12 Ventilation Filter Testing Program (VFTP) (continued)

The provisions of Technical Specification Surveillance Requirement 3.0.2 and Technical Specification Surveillance Requirement 3.0.3 are applicable to the VFTP test frequencies.

5.5.2.13 Diesel Fuel Oil Testing Program

This program implements required testing of both new fuel oil and stored fuel oil. The program shall include sampling and testing requirements, and acceptance criteria, all in accordance with applicable ASTM standards. The purpose of the program is to establish the following:

- a. At least once per 92 days and from new fuel oil prior to addition to the storage tanks by verifying that a sample obtained in accordance with ASTM-D4057-81 has a water and sediment content of less than or equal to 0.05 volume percent, an API gravity or an absolute specific gravity within limits, and a kinematic viscosity @ 40 C of greater than or equal to 4.1 when tested in accordance with ASTM-D975-81.
 - b. At least once every 92 days by obtaining a sample of fuel oil in accordance with ASTM-D2276-81 and verifying that particulate contamination is less than 10mg/liter when checked in accordance with ASTM-D2276-83, Method A.
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ATTACHMENT B

UNIT 3 AMENDMENT NO. 116

APPROVED TECHNICAL SPECIFICATIONS

5.5 Procedures, Programs, and Manuals

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ATTACHMENT C

PROPOSED UNIT 2 TECHNICAL SPECIFICATIONS

5.5 Procedures, Programs, and Manuals

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- b. At least once every 92 days by obtaining a sample of fuel oil in accordance with ASTM-D2276-81 and verifying that particulate contamination is less than 10mg/liter when checked in accordance with ASTM-D2276-83, Method A.

5.5.2.14 Barrier Control Program

This program provides controls for plant barriers which protect structures, systems, and components from 1) missiles from internal sources and adjacent buildings, 2) flooding from tsunami, internal sources, and adjacent buildings, and 3) environmental hazards (such as steam and radiation). The normal configuration of these plant barriers is closed and functional. Barrier impairments are allowed if:

- a. The average annual cumulative risk of fuel damage from design basis events attributable to barrier impairments does not exceed $1.0E-6$. Barrier allowed outage times are based on typical times needed to restore the barrier, implement alternate barriers, remove the hazard(s), or implement compensatory measures. Barrier allowed outage times with compensatory measures in place are based on typical times needed to perform plant maintenance,
or
- b. Justified by a 10CFR50.59 safety evaluation,
or
- c. The protected equipment is declared INOPERABLE, or is not required to be OPERABLE.

ATTACHMENT D

PROPOSED UNIT 3 TECHNICAL SPECIFICATIONS

5.5 Procedures, Programs, and Manuals

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- b. At least once every 92 days by obtaining a sample of fuel oil in accordance with ASTM-D2276-81 and verifying that particulate contamination is less than 10mg/liter when checked in accordance with ASTM-D2276-83, Method A.

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- a. The average annual cumulative risk of fuel damage from design basis events attributable to barrier impairments does not exceed $1.0E-6$. Barrier allowed outage times are based on typical times needed to restore the barrier, implement alternate barriers, remove the hazard(s), or implement compensatory measures. Barrier allowed outage times with compensatory measures in place are based on typical times needed to perform plant maintenance,
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 - b. Justified by a 10CFR50.59 safety evaluation,
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ENCLOSURE 2

CONTROL OF PLANT HAZARDS BARRIERS
SAN ONOFRE UNITS 2 AND 3

PROGRAM DESCRIPTION

CONTROL OF PLANT HAZARDS BARRIERS
SAN ONOFRE UNITS 2 AND 3

PROGRAM DESCRIPTION

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CONTROL OF PLANT HAZARDS BARRIERS
SAN ONOFRE UNITS 2 AND 3

PROGRAM DESCRIPTION

I. PROGRAM SUMMARY

As part of the response to problems identified in late 1993 concerning control of watertight doors, Edison initiated development of a program to control design basis hazards barriers at San Onofre Nuclear Generating Station (SONGS) Units 2 and 3. An interim program was established to control hazards barriers in accordance with 10 CFR 50.59.

A long term program is under development, and is expected to be in place during the Unit 2 Cycle 9 refueling outage currently scheduled for November 1996. An amendment request is being submitted to the NRC to add the long term program for the control of barriers to the administrative technical specifications. The program will provide controls for plant barriers which protect structures, systems, and components from 1) missiles from internal sources and adjacent buildings, 2) flooding from tsunami, internal sources, and adjacent buildings, and 3) environmental hazards (such as steam and radiation). The normal configuration of these plant barriers is closed and functional. Barrier impairments will be allowed if:

- a. The average annual cumulative risk of fuel damage from design basis events attributable to barrier impairments does not exceed $1.0E-6$. Barrier allowed outage times are based on typical times needed to restore the barrier, implement alternate barriers, remove the hazard(s), or implement compensatory measures. Barrier allowed outage times with compensatory measures in place are based on typical times needed to perform plant maintenance,

or

- b. Justified by a 10CFR50.59 safety evaluation,

or

- c. The protected equipment is declared INOPERABLE, or is not required to be OPERABLE.

The long term program will be in the form of a Licensee Controlled Specification (LCS). This document provides a description of the background, scope, methodology and processes used in the development of the LCS.

II. BACKGROUND

A. LICENSEE EVENT REPORT

In September 1993, certain watertight doors, hatches, and penetration seals were removed from the Unit 3 Safety Equipment Building (SE) to support pre-outage construction activities. The watertight doors, hatches, and penetration seals are part of the barriers separating redundant trains of safety related equipment. An NRC inspector noticed this configuration and questioned whether these barriers, with the doors, hatches, and seals open, were able to perform their design functions and whether the effects of design basis events had been fully evaluated.

In response to the NRC inspector inquiry, Edison initiated an investigation of the expected plant response to design basis events with the altered barrier configuration. An engineering evaluation concluded that potential design basis scenarios existed which could have adversely affected the ability to achieve and maintain cold shutdown. At this point, Edison restored all SE barriers to their original configurations.

Edison reported the Unit 3 condition to the NRC in Licensee Event Report 2-93-009 dated November 24, 1993. Subsequently, Edison committed to maintain interim administrative controls for the Units 2 and 3 plant barrier configurations, in accordance with 10 CFR 50.59 requirements, until a long term barrier control program was established.

B. INTERIM BARRIER CONTROL PROGRAM

The interim program controls barriers which protect against design basis fires, missiles (internal and external), floods (internal and external), unmonitored radiological releases, high energy line breaks, as well as maintaining ventilation/isolation boundaries, security boundaries, and environmental qualification of plant safety systems. All barriers are required to be closed and functional during normal operation for both Units 2 and 3, consistent with the "intact" barrier configuration assumed by the plant hazards analyses. Any departure from this configuration requires a 50.59 evaluation to justify the plant change.

When it is desired to have a barrier opened for planned activities, the requesting work group must request Fire Protection Engineering (FPE) to initiate an "Impairment Form - Fire Rated Assembly" (IFFRA), then request the Nuclear Engineering Design Organization (NEDO) to perform a 50.59 Safety Evaluation. Until FPE is notified by NEDO that the evaluation allows the barrier to be open and any associated compensatory measures are instituted, the associated IFFRA will not be activated.

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When a barrier is discovered to be potentially inoperable, an unanticipated IFFRA and an Action Request (AR) are generated. For these ARs, NEDO performs an operability assessment to identify any non-fire barrier functions, and determine the compensatory measures required until the barrier is restored.

NEDO maintains a tracking system of all barriers which have been evaluated and are allowed to be impaired. In order to maintain the ability to perform evaluations which reflect the exact plant configuration and the potential for interactive effects associated with multiple barrier openings, FPE notifies NEDO when all IFFRAs affecting the functionality of a barrier have been terminated. This, in turn, means that a new barrier evaluation request and IFFRA must be generated each time a barrier is required to be opened - regardless of whether the barrier has been previously evaluated by NEDO.

This process imposes an undesirable burden on Operations, Maintenance, NEDO and FPE. For Operations and Maintenance, there is an undesirable but inherent delay for any activity, including corrective maintenance, that requires removing hatches or blocking doors (e.g., routing of compressed air hoses and welding cables, door repair, etc.). For NEDO and FPE, the tracking and evaluation process is very manpower intensive, requiring an additional 5 full time engineers.

C. LONG TERM BARRIER CONTROL PROGRAM TEAM

In January 1994, a team was formed to develop a long term program for control of plant hazards barriers. The team includes stakeholders from Operations, Fire Protection Engineering, Maintenance, Construction, Nuclear Licensing, Nuclear Oversight, and NEDO (Civil, Environmental Qualification, and Integrated Plant Review Engineers).

A key goal of the team is to identify appropriate control measures for each hazard barrier and eliminate the need to evaluate hazard barrier impairments on a case-by-case basis. The strategy to address this concern for the long term program is to implement a Licensee Controlled Specification (LCS), in which barrier functionality would be decoupled from equipment operability for a limited time. This is similar to the decoupling of safety system operability from that of some support systems (e.g., fire doors and snubbers) in the existing Technical Specifications, and relocation of these requirements to an LCS.

III. SCOPE

A. EVENTS

The long term barrier control program addresses passive devices required to mitigate and protect the plant against the consequences of specific design basis hazard events defined in the Updated Final Safety Analysis Report (UFSAR).

The long term barrier control program does not address any events covered by existing control programs. Specific barriers covered by existing control programs include fire barriers (via FPE impairment process), security barriers (via the Work Authorization Request (WAR) process), control room and fuel handling building ventilation boundaries (via Technical Specifications and procedural controls), other ventilation boundaries (via Equipment Control), high energy line break whip restraints or impingement barriers (via the WAR process), and containment (via Technical Specifications). Tornado missiles and external flooding (probable maximum precipitation) events are also excluded, since they are covered by the severe weather Abnormal Operating Instruction (AOI). (For severe weather events, warnings are received from the Energy Control Center with sufficient prior notice to permit barrier closing before a hazard to the plant can occur.)

For the long term barrier control program, each barrier in a given building was evaluated for the remaining hazards:

- Missiles from internal sources and adjacent buildings.
- Flooding from tsunami, internal sources, and adjacent buildings.
- Environmental Qualification (EQ) hazards such as steam and radiation from internal sources and adjacent buildings.

B. BUILDINGS

Buildings containing safety related equipment or equipment that can affect safety related equipment are included in the long term barrier control program. The areas controlled for each unit include unit-specific and common areas. The unit-specific areas include the Penetration Building (PE), Fuel Handling Building (FH), Safety Equipment Building (SE), Diesel Generator Building (DG), and Tank Building (TK). The common areas include the Control and Radwaste areas of the Auxiliary Building (AC and AR), and the portion of the Turbine Buildings (TB) containing the Saltwater Cooling Pump Rooms and the Saltwater Cooling Piping Tunnel. The Containment Building is not included in the long term barrier control program, because it is already controlled by specific Technical Specifications.

C. MODES

The program considers the effects of event occurrence during all plant Modes and the defueled condition.

IV. METHODOLOGY

A. OVERVIEW

The long term program is based on the existing deterministic analyses of each hazard, which assume all barriers normally closed and functional.

The existing design basis analyses were reviewed to identify the credible hazards for each area, associated plant barriers, potential alternate barriers, and compensatory measures. In some cases (e.g., missiles, high energy line breaks), it was necessary to reconstitute portions of the analyses using more conservative methodology to adequately evaluate the effects of specific barrier openings, such as doors and hatches. Barriers between a hazard source area and adjacent areas were identified as EQ/missile significant unless the conditions resulting from propagation through the barrier were defined by design calculation and determined to be acceptable. Alternate barriers were limited to those suitable for the respective hazards under design-basis conditions. The hazards, applicable barriers, protected systems, potential alternate barriers, and compensatory measures were then summarized in tables, based on the Fire Area summaries and drawings.

Impairment of the deterministic hazard barriers will be permitted only within an allowed out of service time (AOT). The AOTs for hazard barriers were determined from actual plant need (e.g., minimum barrier repair time, and major equipment overhaul duration). The average annual cumulative risk from these barrier AOTs was then evaluated using the SONGS 2/3 Individual Plant Examination (IPE) and Shutdown Probabilistic Risk Assessment (PRA) models, to verify that the incremental risk of fuel damage was maintained to acceptable levels.

B. MISSILES

Plant missile hazards and associated protection features are described in UFSAR Section 3.5. Missiles are postulated from normally operating rotating equipment and high energy piping systems. Review of the design basis analyses indicated that they had two simplifications which were not conservative for conditions in which barriers may be impaired: a) Standby-designated equipment and safety related equipment had been generically excluded as not "normally running"; and b) Equipment and systems located outside safety related areas (e.g., roof mounted

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ventilation (HVAC) units, or turbine building pumps and valves) had been generically excluded based on intervening barrier thickness.

To address these concerns, walkdowns were performed to identify the population of potential missiles which have interactions with doors, hatches, and removable block walls that protect safety related equipment. The walkdowns identified a small number of additional postulated missile sources and determined which missile sources for each unit have potential interactions with barrier openings. These missiles will be evaluated for residual energy (e.g., after penetrating the equipment casing) in supplements to the applicable design calculations. Pending completion of the calculation supplements, securing of the affected equipment or piping will be specified as a compensatory measure for impairment of the applicable barrier (e.g., opening of the door, hatch, or removable block wall).

Missile hazards apply in all plant modes.

C. EQ-FLOODING

Plant flooding from tsunami and the associated protection features are described in UFSAR Section 2.4.6. The design basis tsunami is postulated to result from a vertical displacement of the sea floor at the Hypothesized Offshore Zone of Deformation, 5 miles from the plant. The analyses assume concurrent high tide, storm surge, and wind-driven waves in addition to run-up from the tsunami. Alternate barriers are specified for the flood height of this design basis combined event. Compensatory measures are specified for actual tide conditions plus tsunami run-up only. Operator action is not credited, because the flood source (ocean) is generally unisolable for the duration of the event.

Plant flooding from internal hazards and the associated protection features are described in UFSAR Section 3.4. Flooding is postulated as a result of fire suppression system operation, tank wall failures, pipe break events (including condensation from steam releases), and circulating water system rupture (in either unit). The analyses generally assume that non-water tight doors adjacent to the flood path are leak limiting. Transient flooding calculations are being performed to define bounding water levels and thereby determine which non-water tight doors are actually flood-significant. Pending completion of these calculations, such doors are assumed to be flood-significant for equipment in the room. Hatches and other penetrations over safety related equipment are also assumed to be flood-significant for equipment and panels under the opening, irrespective of the resulting flood level. Cable submergence is not flood significant, based on original plant qualification.

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For postulated circulating water system failures, design basis flooding assumes 20 minutes for operator actions. Alternate barriers for this event are specified for the design basis (20 minute) flood height. Compensatory measures for this event may be specified for a lower flood height based on posting a flood watch, 10 minute operator action, and the effect of the earlier operator action on reducing the resulting flood volume. For all other flooding events from internal hazards, design basis flooding assumes 30 minutes for operator actions. For these other events, the alternate barriers and compensatory measures are specified for the respective design basis (30 minute) flood height.

Flood hazards apply in all plant modes.

D. EQ - STEAM RELEASE

High energy line break (HELB) events are described in UFSAR Section 3.6. A comparison of UFSAR Section 3.6 with Section 3.11 (Environmental Qualification) identified several HELB areas for which the associated harsh environment has not been defined, due to isolation from required equipment by normally closed barriers. Additionally, it was recognized that industry standard environmental analysis techniques (e.g., zone-averaged or homogeneous pressure/temperature calculations) are non-conservative for assessing barrier impairments, due to the possibility of directed jets of high energy fluid through a breach. Further, it would be very difficult to demonstrate acceptable (b)(1) and (b)(2) consequences per 10CFR50.49 for areas not currently designated as steam environments.

To address these concerns, it is necessary to identify and control the barriers between steam releases from HELB events and areas not already defined as harsh for steam. For HELBs in which a specific steam environment is not defined, the applicable barriers were identified by evaluating steam propagation, as follows:

1. Turbine Building and Safety Equipment Building Roof

Each Turbine Building and the adjacent Safety Equipment Building roof is subject to a harsh environment from postulated breaks of the main steam and feedwater lines (MSLB, FWLB). Some areas are also subject to a harsh environment from postulated breaks of the auxiliary steam lines (ASLB). Propagation of steam from these HELBs was evaluated qualitatively, considering jet impingement, deflection, plume buoyancy, and tortuous path effects.

a. 7' Elevation Turbine Building

Some of the postulated break locations in the main steam and feedwater lines could result in direct or deflected jets of

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high energy fluid to the 7' elevation Turbine Building floor, which could result in deflected flow towards adjacent areas. The Saltwater Cooling System (SWCS) piping tunnel hatches are not in the jet impingement paths. However, steam flow to the hatch covers is assumed. For existing openings in the hatch covers, credit is taken for condensation on the large piping and concrete surfaces (tortuous path) to prevent steam propagation to the SWCS pump rooms.

Steam propagation between Turbine Buildings at the 7' elevation is assumed via deflected flow through the connecting access road (corridor), with upward pluming at the far end. Upward pluming is credited to prevent MSLB or FWLB interactions from one unit to the other unit's 8' elevation Safety Equipment Building block wall and door openings. Upward pluming is also credited to prevent ASLB interactions with portions of the elevation 8' west wall of the Unit 2 Safety Equipment Building or elevation 9' west wall of the Auxiliary Building. Wall locations north of Turbine Building column K-12 or south of Turbine Building column K-18 (as shown on the hazard barrier drawings) are considered to meet this criterion. (There is no corresponding auxiliary steam line in Unit 3.)

b. 30' Elevation Turbine Building

Some of the postulated break locations in the main steam lines could result in directed horizontal jets across the west face of the Auxiliary Building at the 30' and 50' elevations. Credit is taken for pluming to prevent MSLB and FWLB steam propagation across the entire width of the Auxiliary Building at the 30' elevation. However, the entire width of the Auxiliary Building at the 30' elevation is assumed subject to steam from postulated breaks of the auxiliary steam line (ASLB), which runs across this area.

c. 56' and 72' Elevation Turbine Building

Steam propagation across the west face of the Auxiliary Building is assumed to extend across the entire width of the building at the 50' and 70' elevations, due to directed jets and pluming from MSLB, FWLB, and ASLB steam (note: the Turbine Building elevations 56' and 72' adjoin Auxiliary Control elevations 50' and 70').

d. Safety Equipment Building Roof

All barriers adjacent to the Safety Equipment Building roof are assumed to be subject to steam from MSLB and FWLB events in this area.

MSLB/FWLB steam hazards from the unit's own systems apply in Modes 1-4 only. MSLB/FWLB hazards from the other unit, and the ASLB hazard, apply in all plant modes.

2. Safety Equipment Building and Penetration Building

The Shutdown Cooling Line Break (SDCB), described in NUREG-0712 (NRC Safety Evaluation Report for SONGS 2/3) Section 5.4.3 and SONGS 2/3 Final Safety Analysis Report (FSAR) Q&R 212.132, was evaluated for original plant licensing as a moderate energy line break (MELB, critical crack) in accordance with the 2% exclusion rule specified in NUREG-0800 (Standard Review Plan) Section 3.6.2 Branch Technical Position MEB 3-1. (The line is only at high energy conditions 2% or less of the time.) In SONGS 2/3, MELBs were required to be considered only as to flooding effects, for which this event is not limiting. Hence, the SDCB is not included in the current EQ program. However, for barrier control program purposes, it is recognized that this event, initiated at 350 °F and 350 psia, could result in about 13% of the discharged coolant flashing to steam. Breaks are postulated in the Penetration Building (9' and 30' elevations) and Safety Equipment Building (safety injection pump rooms). This steam release is not EQ significant unless it is allowed to propagate to other areas. Accordingly, Safety Equipment Building internal barriers and the barriers from the 9' and 30' Penetration Building to other areas are applicable to the SDCB steam hazard.

The SDCB steam hazard applies in Mode 4 only.

3. Penetration Building and Auxiliary Building (Radwaste)

Each Penetration Building (PE) and unit-common areas of the Auxiliary Building - Radwaste (AR, at elevation 24') are subject to postulated ruptures of the letdown line (LDLB). This event is being reanalyzed to reduce the EQ consequences (e.g., by crediting control grade isolation to reduce the steam release to less than 2 minutes). Pending completion of the reanalysis, all areas communicating with the break location are assumed to become harsh. The Unit 2 Penetration Building (corridor from Turbine Building) and unit-common areas of AR (elevations 50' and 63', and routing through elevation 9') are subject to postulated ruptures of the auxiliary steam line. These ruptures are not EQ significant unless allowed to propagate to other areas. Tortuous path effects

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are credited to prevent potential propagation via the Safety Equipment Building (SE) shutdown cooling piping tunnel. The remaining barriers from these areas to adjacent spaces are applicable to the LDLB and ASLB steam hazards.

The LDLB steam hazard from the unit's own system applies in Modes 1-4 only. The LDLB hazard from the other unit, and the ASLB hazard, apply in all plant modes.

4. Ventilation System Effects

As a result of the steam propagation evaluations discussed above, an evaluation is being performed to assess the significance of barrier penetrations for the normal and emergency ventilation systems as potential steam propagation paths. The results of this evaluation will be incorporated into the barrier tables and associated analyses when complete.

E. EQ - RADIATION

Existing plant areas defined as harsh due to post-accident radiation dose are identified in UFSAR Sections 3.11 and 12.3. The post-accident doses result from a combination of airborne dose and direct shine. Containment airborne leakage is conservatively assumed to be entirely to the penetration building. Additional airborne terms come from recirculation system and post-accident sampling system leakage to atmosphere. Direct shine comes from piping containing these fluids and from the containment penetrations themselves. Propagation of these doses to any area currently defined as mild would affect both equipment qualification and personnel accessibility within the area, as well as adjacent to that area.

To address these concerns, it is necessary to control barriers between harsh radiation areas and areas not already defined as harsh, or to evaluate the area and adjacent spaces for (b)(1) and (b)(2) consequences per 10CFR50.49. At this time, the only post-accident mild areas with such an evaluation are within the Safety Equipment Building, which is discussed further below. Compensatory measures may be specified for barriers to airborne dose propagation (which is principally beta), based on operator action to close the barrier at the ALERT level of accident response.

Dose hazards from the unit's own systems apply in Modes 1-4 only. Dose hazards from the other unit apply in all plant modes.

1. Safety Equipment Building EQ - Dose

To establish the impact on safety-related electrical equipment in the Safety Equipment Building (SE) and on offsite doses due to the potential increase in radiation levels with barriers impaired, specific evaluations were performed. Normal 40 year doses and the following activity contributions were included in this evaluation:

a. Leakage through Containment Penetrations

The UFSAR 15.6.3 accident scenario assumes a post accident source term in the containment and airborne activity leaking to the penetration area. For the SE evaluation, the non-1E exhaust fan from the Penetration Area is assumed to fail and the radioactive gases accumulate and enter the SE through open doors and hatches.

b. Leakage through Failed Safety Injection Pump Seals

The UFSAR 15.6.3 accident scenario assumes a post accident source term in the containment with failure of the limiting pump seal (LPSI pump) during post-LOCA recirculation. For the SE evaluation, the activity released to the Safety Injection pump room is assumed to propagate to the rest of the SE through open doors and hatches.

For EQ equipment, the evaluation compared the radiation levels, with the barriers open, to the minimum qualified dose in the EQ Data Packages. It was shown that the qualification levels bound the estimated doses with open doors and hatches.

For non-EQ equipment (i.e., equipment nominally in a mild environment), an evaluation was performed to determine the effect on this equipment of radiation levels due to impaired barriers. Since this equipment is not on the EQ Master List, this evaluation was performed by comparing the affected equipment with similar equipment that is EQ qualified. The evaluation concluded that safety-related equipment is qualified to the estimated dose level with one exception. The exception is the heat tracing power and control panel for the wide-range gas monitor (WRGM: RT7865). To address this exception, the LCS will require the WRGM to be declared inoperable for its accident monitoring function, when the applicable dose barriers are impaired. In addition, non-safety related equipment was also evaluated for potential EQ interactions in accordance with 10CFR50.49(b)(2). Non-safety related equipment interactions were determined to be acceptable.

It is noted that since the nominal configuration of the plant is all barriers closed, the EQ evaluation is not intended to change

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the design basis of the plant. As such, neither the EQ Master List, EQ Document Packages, nor calculations which define post-accident environmental conditions will be revised to reflect the plant configuration with impaired barriers. A separate EQ program document has been prepared to control the configuration of the non-EQML equipment potentially subject to these conditions.

There is no effect on offsite or control room dose consequences, since the existing design calculations assume all activity released from Containment to the Penetration or Safety Equipment Buildings is released without credit for holdup.

2. Ventilation System Effects

An evaluation is being performed to assess the significance of barrier penetrations for the normal and emergency ventilation systems as potential dose propagation paths. The results of this evaluation will be incorporated into the barrier tables and associated analyses when complete.

F. ALTERNATE BARRIERS

Alternate barriers were limited to those suitable for the respective hazards under design-basis conditions. Seismic Category I concrete walls and floors were considered suitable as alternate barriers for all hazards if provided with appropriate penetration seals (e.g., radiation-rated for LOCA dose hazard, flood-rated for flood hazard, etc.) or otherwise shown acceptable by design analysis. Non-load bearing interior walls (typically, expanded-metal lath and plaster construction) were considered unsuitable for hazards involving missiles, rupture of non-seismic lines, or dose from LOCA shine.

G. PROTECTED SYSTEMS

Preliminary identification of the protected systems in each area was made from the Updated Fire Hazards Analysis (UFHA) area summaries. Systems associated solely with cables in the area were identified only if missile hazards applied, based on original plant qualification for flood, steam, and dose hazards. To ensure that all affected systems have been identified, this information is being validated against the Plant Equipment Data Management System (PEDMS).

H. ALLOWABLE OUTAGE TIMES (AOTs)

AOTs were defined from actual plant need, and the risk of possibly simultaneous AOT entries was evaluated for the effect on overall plant risk, using the Units 2 and 3 IPE and Shutdown PRA models, as described below:

1. Basis

Based on a review of barrier impairments for maintenance and recurring construction activities under the interim program, a minimum AOT of 12 hours is needed to permit repair or implementation of compensatory actions for typical barriers, such as water-tight doors. Similarly, a minimum AOT of 7 days is needed to permit major maintenance (e.g., equipment overhauls), once the compensatory action is in place. These AOTs are consistent with those specified by the applicable Technical Specifications for safety system active support features (e.g., Emergency Chilled Water System, per Technical Specification 3/4.7.10).

The AOT for implementing the initial compensatory actions for the critical barriers of a postulated Circulating Water System flood event was limited by the PRA analysis. (See Section IV.H.5.) A maximum AOT of 2 hours is needed for acceptable risk consequences for this event. It is expected that a similar limitation on AOT will be needed for the tsunami barriers. (This will be confirmed in the final PRA analysis.) This AOT is consistent with the time needed for the specified initial compensatory actions (e.g., post a flood watch in the Turbine Building). A minimum AOT of 12 hours is needed to implement any other compensatory actions for these barriers (e.g., berm openings to elevation 9'0"), consistent with the above.

2. Acceptance Criteria

The annual cumulative risk of Fuel Damage (FD) from design basis events attributable to barrier impairments was evaluated using the following acceptance criterion:

$$FD < 1.0E-6$$

This acceptance criterion would be characterized by the PSA Application Guide (EPRI Topical Report TR-105396, "PSA Applications Guide") as "non-risk significant," and is about 3% of the frequency of core damage as calculated in the Units 2 and 3 IPE (i.e., CDF = 3.0E-5/yr). An acceptance criterion for Significant Release (SR) was not used, since containment barriers

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will remain subject to the applicable Technical Specifications and outside the scope of the proposed LCS.

3. Assumptions

- a. Hazards due to sources inside the plant were considered in this study. Hazards covered in this study were flooding, steam release, radiological release, and internal missiles. Flooding hazards due to tsunami are included.
- b. Fire hazards and external hazards were excluded since the barriers for these hazards are controlled by other programs.
- c. Flooding from moderate energy piping system failures was postulated due to critical cracks in the piping system consistent with the licensing basis. The plant flooding analyses were based on this criterion.
- d. The expected number of hours of barrier impairment per year for critical barriers in each building were extracted from historical data for the interim control program. Separate values were used for locked/secured doors and hatches vs. unlocked doors. Barrier open time associated with normal access and egress through doors was excluded, based on the doors remaining under the immediate control of attendant personnel.
- e. Fixed barrier penetration seals were excluded based on impairment history and significance for hazard propagation. Historically, voluntary and as-found impairments of penetration seals have involved degradation vs. complete loss of the hazard barrier function. Since typical penetration seals are relatively small in area compared to doors or hatches, significant hazard propagation could not have occurred even in the few cases where impairment involved complete loss of the seal. As such, penetration seals will be addressed in a separate evaluation.
- f. The models utilized in this study were based on the Units 2 and 3 Individual Plant Examination (IPE) and Shutdown PRA models.
- g. Operator action times used in the PRA were consistent with those assumed in the flooding analyses. Operator action probabilities were based on Human Reliability Analysis (HRA). The HRA methodology utilized for this

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study was developed and applied in the Accident Sequence Evaluation Program (ASEP) (NUREG/CR-4772).

- h. Pipe failure probabilities were based on the EPRI Report (TR-102266) "Pipe Failure Study Update."

4. Analysis

A PRA is being performed to determine the average annual cumulative risk of fuel damage due to impaired barriers. Preliminary results were obtained by a detailed evaluation of the hazards applicable to the Safety Equipment Building (SE) barriers. The SE results were then conservatively scaled to the complete plant, using a scaling factor of 5 (i.e., $FD_{plant} = 5 \times FD_{SE}$). The final results will be obtained by a detailed evaluation of the complete plant, including the other buildings.

The barrier PRA is based on the Units 2 and 3 IPE and Shutdown PRA models, with newly developed barrier event trees. Initiating events, such as pipe ruptures, consist of failures which could potentially impact other plant systems if barriers were impaired. Applicable barrier impairment combinations were considered for propagation of the hazard in each event. Impairment combinations expected to occur from a single, recurring, work activity were treated as a single impairment where appropriate. The consequences of initiating events were identified by deterministic evaluations such as flooding calculations. Consequences were evaluated by event and location with impairment of the applicable barriers.

5. Results

Based on scaling of the SE results to the complete plant, the acceptance criterion could not be met with a 12 hour AOT to implement compensatory actions, for all barriers. For the critical barriers which protect against a Circulating Water System flood in the Turbine Building, it was necessary to impose a 2 hour AOT for posting of a flood watch. Analysis of the complete plant is also expected to result in the need for a 2 hour AOT for the compensatory actions for tsunami barriers. With the 2 hour (critical) and 12 hour (other) AOTs to implement applicable compensatory measures, and a 7 day AOT to restore the barriers, the acceptance criterion is met.

V. ADMINISTRATIVE CONTROLS

A. EXISTING PROGRAMS

There are several existing programs which control many of the hazards barriers in the plant. These are identified below:

Barrier Type	Existing Control Program
Fire Barriers	Technical Specifications and FPE Impairment Process
Security Barriers	Security Procedures and Work Authorization Request (WAR) Process
Control Room and FH HVAC Boundaries	Technical Specifications and Procedures
Other HVAC Boundaries	Equipment Control and WAR Evaluation Process
HELB Pipe Whip and Jet Impingement Barriers	WAR Evaluation Process
Tornado Missile	Severe Weather Abnormal Operating Instruction
External Flood Barriers (Probable Maximum Flood)	Severe Weather Abnormal Operating Instruction
Containment	Technical Specifications and Procedures

B. NEW ADMINISTRATIVE CONTROLS

A new program will be implemented for control of barriers which protect the plant against internal sources of missiles, flooding, and harsh environment hazards, such as steam and radiation. This program will consist of administrative controls implemented through a Licensee Controlled Specification (LCS).

1. Licensee Controlled Specification

The proposed LCS for each Unit addresses unit-specific and common barriers. Each LCS includes three tables, two for barriers with EQ or internal missile functions, and one for barriers which do not have either of these functions. Some of the barriers controlled through the LCS are also subject to existing Technical Specification controls for fire barriers, the fuel handling isolation (FHIS) boundary, or control room isolation boundary (CREACUS). The overlap with fire barrier Technical Specifications

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is identified generically in the LCS. The overlap with FHIS and CREACUS Technical Specifications is identified specifically in the LCS tables. Impairment of any barriers not identified in these tables will be controlled via the 10CFR50.59 process. Barriers and applicable requirements may be added, modified or deleted from the LCS tables via a 10CFR50.59 evaluation and the applicable procedures for revising Licensee Controlled Specifications.

Critical barriers identified by the PRA evaluation (e.g., for the Circulating Water Flood in the Turbine Building) are identified in Table 1. Other barriers with EQ or internal missile functions are identified in Table 2 of the LCS. In Table 1 and Table 2, each barrier is identified by the area being protected, the systems being protected, the hazard source area, the applicable hazards, and the alternate barriers and/or compensatory measures available for each of the hazards. The LCS requirements for Table 1 and Table 2 barriers are applicable whenever a protected system is required to be operable and the applicable hazards can occur. The hazards, protected systems (and associated Tech Specs), alternate barriers, and compensatory measures are identified by Unit Mode (Mode 1-4, or Mode 5/6/Defueled), where applicable.

2. Allowable Outage Times (AOTs)

The LCS permits Table 1 barriers to be impaired for only 2 hours. The LCS permits any Table 2 barrier to be impaired for up to 12 hours. Prior to the end of these respective AOTs, the alternate barrier or compensatory measures identified in the respective Table must be implemented, or the impaired barrier restored, or further impairment justified by a 10CFR50.59 evaluation, or the protected equipment declared inoperable and its applicable Technical Specification Action(s) implemented. Implementing the alternate barriers for all specified hazards permits exit from the LCS action. Implementing the compensatory measures (or a combination of alternate barriers and compensatory measures) for all specified hazards permits the barrier to remain non-functional for up to 7 days. Prior to the end of the 7 day AOT, the impaired barrier must be restored, or the alternate barrier implemented, or further impairment justified by a 10CFR50.59 evaluation, or the protected equipment declared inoperable and its applicable Technical Specification Action(s) implemented. Technical Specification 3.0.3 is the applicable Tech Spec Action for some areas (e.g., those which have not been evaluated for 10CFR50.49(b)(2) interaction effects). However, based on the experience with the interim program, it is expected that 10CFR50.59 evaluations would continue to be performed to preclude the need for plant shutdown due to barrier impairments for one of these areas.

3. Surveillances

Periodic surveillances are included for Table 1 and Table 2 barriers. These surveillances will be performed by FPE and Maintenance. Table 3 barriers have no EQ or missile functions, and hence no required surveillances under this LCS unless used as an alternate barrier per Table 1 or Table 2.

SR 3.7-1xx.1 and SR 3.7-1xx.2 require periodic verification that movable hazards barriers (door, water-tight door, hatch, manhole cover, or block wall) are FUNCTIONAL. Movable barriers are FUNCTIONAL when they are closed and capable of remaining in that configuration during the applicable EQ/missile events. For example: a door with a broken lock is still FUNCTIONAL if it will remain latched; a door with a broken latch is still FUNCTIONAL if it will not open due to differential pressure from ventilation, flooding, or HELB dynamic effects, and is not a barrier for HELBs of non-seismic lines. Movable barriers which are not locked or otherwise secured are required to be surveilled daily. Movable barriers which are locked or otherwise secured (e.g., hatches which cannot be moved without lifting gear) are required to be surveilled once per month. These surveillances will be performed coincident with the fire barrier surveillances per Technical Specification 3/4.7.9.

SR 3.7-1xx.3 and SR 3.7-1xx.4 require periodic verification of gasket contact and the performance of related preventive maintenance items (PMs) for water-tight doors. A sliding surveillance frequency is specified, consistent with the wide variation in service severity of water-tight doors (e.g., from low to high traffic, and ventilation-seated vs. -unseated applications). An initial surveillance frequency of 12 months is specified for unlocked doors. For unlocked doors which pass the gasket contact criterion as-found at two successive surveillances, the surveillance frequency can be reduced to the next lower value. For unlocked doors which do not pass the gasket contact criterion as-found at two successive surveillances, the surveillance frequency is increased to the next higher value. The minimum and maximum surveillance frequencies are 24 months and 30 days, respectively. For locked doors, which are inherently low-traffic and wear, a surveillance frequency of 24 months is specified.

SR 3.7-1xx.5 and 6 require periodic verification that fixed hazards barriers (wall, floor, roof, or penetration seal) are FUNCTIONAL. Fixed barriers are FUNCTIONAL when they are closed or capable of closing and remaining in that configuration during the applicable EQ/missile events. For example, a penetration seal that is capped on only one side is still FUNCTIONAL. Walls, floors, and roofs are required to be surveilled once per 24

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months. Penetration seals, including conduit seals, are required to be surveilled on a 24 month sampling basis, consistent with fire barrier Technical Specification requirements. Fire dampers may also be included in these surveillances, if required by the results of the ventilation system effects evaluations discussed in sections IV.D.4 and IV.E.2 above. These surveillances will be performed coincident with the fire barrier surveillances per Technical Specification 3/4.7.9.

4. Implementation

A detailed implementation plan for the hazards barrier LCS is being developed. In addition to procedure changes and training, the plan will include appropriate changes in signage and simplified tracking for impairments which can be completed within the 2 hour or 12 hour AOTs. This will permit a significant reduction in pre-planning time and engineering support required for activities such as corrective maintenance. The plan will also include a follow-up evaluation of the risk impact associated with barrier impairments, and appropriate program changes if needed.

Implementation of the LCS will not occur until completion of the supporting design documentation and final engineering review of the LCS tables. This documentation includes formal revision of the EQ zone drawings, calculation supplements and revisions, and new EQ program documents. These supporting activities are presently scheduled to occur by September 1, 1996.

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LICENSEE CONTROLLED SPECIFICATION

HAZARD BARRIERS
LCS 3.7-1XX

LCS-3.7-1xx Hazards barriers shall be FUNCTIONAL.

VALIDITY STATEMENT: Effective xxxxxxxx xx, 1996

APPLICABILITY: When equipment protected by the hazards barrier is required to be OPERABLE.

ACTIONS

-----NOTES-----

1. Separate Condition entry is allowed for each hazard barrier.
 2. For as-found conditions, LCS Action entry begins at the time of discovery. Reportability of as-found conditions shall be determined in accordance with 10CFR50.72 and 10CFR50.73.
 3. Implementation of alternate barriers for all specified hazards permits exit from the LCS action for the barrier.
 4. LCOs 3.0.3 and 3.0.4 do not apply except as specified herein.
-

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Hazards barrier shown in Table 1 not FUNCTIONAL while applicable hazards can occur.	A.1.1 Implement the alternate barrier for each applicable hazard shown in Table 1 (NOTE 3),	2 hours
	OR A.1.2 Implement the compensatory measure for each applicable hazard shown in Table 1,	2 hours, as specified by Table 1
	OR A.1.3 Complete a specific 50.59 evaluation to justify further impairment,	2 hours
	AND	

HAZARD BARRIERS
LCS 3.7-1XX

CONDITION	REQUIRED ACTION	COMPLETION TIME
	A.2.1 Restore the barrier to FUNCTIONAL status, OR A.2.2 Remove the applicable hazards, OR A.2.3 Complete a specific 50.59 evaluation to justify further impairment.	7 days 7 days 7 days
B. Hazards barrier shown in Table 2 (with alternate barriers or compensatory measures specified for all applicable hazards) not FUNCTIONAL while applicable hazards can occur.	B.1.1 Implement the alternate barrier for each applicable hazard shown in Table 2 (NOTE 3), OR B.1.2 Implement the compensatory measure for each applicable hazard shown in Table 2, OR B.1.3 Complete a specific 50.59 evaluation to justify further impairment, AND	12 hours 12 hours 12 hours

HAZARD BARRIERS
LCS 3.7-1XX

CONDITION	REQUIRED ACTION	COMPLETION TIME
	B.2.1 Restore the barrier to FUNCTIONAL status, OR B.2.2 Remove the applicable hazards, OR B.2.3 Complete a specific 50.59 evaluation to justify further impairment.	7 days 7 days 7 days
C. Hazards barrier shown in Table 2 (with NONE AVAILABLE specified for alternate barriers and compensatory measures) not FUNCTIONAL while applicable hazards can occur.	C.1.1 Restore the barrier to FUNCTIONAL status, OR C.1.2 Remove the applicable hazards, OR C.1.3 Complete a specific 50.59 evaluation to justify further impairment.	12 hours 12 hours 12 hours
D. Hazards barrier (not shown in Table 1, Table 2 or Table 3) not FUNCTIONAL.	D.1 Complete a 50.59 evaluation to justify impairment.	24 hours
E. Conditions of Actions A.1, A.2, B.1, B.2, C.1 or D.1 not met.	E.1 Declare the protected equipment INOPERABLE and enter the applicable Tech Spec Action.	15 minutes

HAZARD BARRIERS
LCS 3.7-1XX

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.7-1xx.1	Verify each movable hazards barrier (door, water-tight door, hatch, manhole cover or block wall) in Table 1 and Table 2 that is not locked closed or otherwise secured is FUNCTIONAL.	24 hours
SR 3.7-1xx.2	Verify each movable hazards barrier (door, water-tight door, hatch, manhole cover or block wall) in Table 1 and Table 2 that is locked closed or otherwise secured is FUNCTIONAL.	30 days
SR 3.7-1xx.3	Verify each water-tight door in Table 1 and Table 2 that is not locked closed or otherwise secured has contact of the gasket along the length of the sealing surface, with no more than 6" total linear gap as-found. Perform related PMs and restore gasket contact to zero total linear gap as-left.	<p>Variable: 30 days, 3 months, 6 months, 12 months, or 24 months</p> <p>Initial frequency is once per 12 months. Frequency for subsequent surveillances may be adjusted up or down for each door as follows:</p> <p>As-found gasket contact has ≤ 6" total linear gap on two consecutive surveillances: adjust frequency to next lower value (eg. 12 mo --> 24 mo).</p> <p>As-found gasket contact has > 6" total linear gap on two consecutive surveillances: adjust frequency to next higher value (eg. 12 mo --> 6 mo).</p>

HAZARD BARRIERS
LCS 3.7-1XX

SURVEILLANCE		FREQUENCY
SR 3.7-1xx.4	Verify each water-tight door in Table 1 and Table 2 that is locked closed or otherwise secured has contact of the gasket along the length of the sealing surface, with no more than 6" total linear gap as-found. Perform related PMs and restore gasket contact to zero total linear gap as-left.	24 months
SR 3.7-1xx.5	Verify that each fixed hazards barrier (wall, floor or roof) in Table 1 and Table 2 is FUNCTIONAL.	24 months
SR 3.7-1xx.6	Verify that each fixed hazards barrier penetration seal in Table 1 and Table 2 is FUNCTIONAL.	24 months per Tech Spec 4.7.9.2.c sampling

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

KEYNOTES

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
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PROTECTED EQUIPMENT AREA:

The plant area number (unit, building, elevation and area) which the specified barriers protect from the **APPLICABLE HAZARDS**. This area may contain the **PROTECTED SYSTEMS** or (if the other walls/floors of the area are not sealed against the hazard) serve as a buffer space against propagation of the hazards into the areas in which the **PROTECTED SYSTEMS** are actually located. The specified barriers include WALLS, FLOORS, PENETRATION SEALS, DOORS, WATER-TIGHT (WT) DOORS, and HATCHES as applicable. (Conduit seals are considered PENETRATION SEALS in this table.) The following abbreviations are used for buildings:

- AC:** Auxiliary Building (Control Area). This building/area is common to both Unit 2 and 3.
- AR:** Auxiliary Building (Radwaste Area). This building/area is common to both Unit 2 and 3.
- CT:** Cable Tunnel. Each unit has its own Cable Tunnel.
- DG:** Diesel Generator Building. Each unit has its own Diesel Generator Building.
- FH:** Fuel Handling Building. Each unit has its own Fuel Handling Building.
- PE:** Penetration Building. Each unit has its own Penetration Building.
- SE:** Safety Equipment Building. Each unit has its own Safety Equipment Building.
- TB:** Turbine Building. Each unit has its own Turbine Building. Portions of the Turbine Buildings are common to both Units, including the intake structure area and SaltWater Cooling System piping tunnels.

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

TK: Tank Building. Each unit has its own Tank Building.

YD: Yard Area. Yard Areas 2-YD-30-200A and 2-YD-30-200B are the Unit 2 + common and the Unit 3 yard areas, respectively. These area designations are used for the roof areas of buildings for which a separate area designation is not assigned.

PROTECTED SYSTEMS (Applicable T/S):

The safety related and safe shutdown system trains located in the **PROTECTED EQUIPMENT AREA**, and the Technical Specifications which apply if they must be declared inoperable. The specific systems are identified in the applicable UFHA sections for each area. Cable is not included (based on original plant qualification) unless missile hazards apply to the area. Due to the large number of systems/trains in some areas, this may be shown as **Various (Train A/B)** or similar. If the area is a buffer space for adjoining areas containing protected equipment (as defined under **PROTECTED EQUIPMENT AREA** above), the designation for the area containing the protected equipment is listed in this field instead (eg. (2-AR-09-076)).

In Modes 1-4, if the **PROTECTED SYSTEMS** must be declared inoperable and: a) the affected areas have not been evaluated for 10 CFR 50.49(b)(2) effects, or b) if both trains of required systems must be declared inoperable and this is not specifically addressed under the system Technical Specification, then Tech Spec 3.0.3 applies. In Modes 5/6/Defueled, one or more of Technical Specifications 3/4.1.2 (CVCS), 3/4.3.1 (RPS), 3/4.3.2 (ESFAS), 3/4.4.1.4 or 3/4.9.8 (SDCS), 3/4.7.5 (CREACUS), 3/4.7.10 (ECWS), 3/4.8.3 (electrical distribution) or 3/4.9.12 (PACU) would apply. Fire Protection requirements per Technical Specification 3/4.7.9 also apply to most barriers, but are controlled through a separate program.

HAZARD SOURCE AREA:

The plant area number (unit, building, elevation and area) in which the **APPLICABLE HAZARDS** may exist without credit for alternate barriers. These hazards (eg. line break events) may occur in the specified source area, or propagate through the specified source area from another location (eg. through a corridor from the turbine building). The same abbreviations are used as defined for hazard source areas, above.

APPLICABLE HAZARDS:

The Environmental Qualification (EQ) and internally-generated missile hazards that apply to the specified source area, including steam, radiation and flooding. The hazards are applicable in

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

all Modes unless otherwise specified (eg. Mode 1-4, or Mode 5/6/Defuel). If no hazards apply in the Mode, this is shown as **(none)**. The following hazard abbreviations are used in conjunction with the building abbreviations defined above to define the source location:

ASLB: Auxiliary Steam Line Break (for example, **ASLB (50'AR)**). Postulated ruptures of the non-seismic auxiliary steam line result in direct release of high temperature steam (366 F) and flooding due to steam condensation. ASLBs in the AR building are assumed to drain to the 9' PB and Shutdown Cooling System piping tunnels. This hazard applies in all Modes.

CWS flood: Circulating Water System flood. Postulated ruptures of the non-seismic circulating water system in either unit results in flooding of both turbine buildings to elevation +10'6". This hazard applies in all Modes.

FWLB: FeedWater Line Break. Postulated ruptures of the non-seismic main feedwater system results in direct release of high temperature steam (due to flashing) and flooding with jet impingement effects. This hazard applies in Modes 1-4. Some common areas are affected by a **FWLB** in both Units.

Internal flooding: Flooding due to fire suppression system operation or postulated ruptures of piping (including condensation from steam line breaks) or tank walls. "Internal" distinguishes these events from flooding due to external sources (eg. probable maximum precipitation events), which are addressed by the Severe Weather AOI. This hazard applies in all Modes.

Internal missiles: Postulated missiles from rotating equipment and high energy lines. "Internal" distinguishes these events from missiles due to external sources (eg. tornado missiles), which are addressed by the Severe Weather AOI. This hazard applies in all Modes.

LDLB: LetDown Line Break. Postulated rupture of the Letdown system piping will result in direct release of high temperature steam (due to flashing) and flooding. Portions of the Letdown system piping in area AR are non-seismic. This hazard applies in Modes 1-4. Some common areas are affected by a **LDLB** in both Units.

LOCA: Loss of Coolant Accident. Postulated rupture of the Reactor Coolant System in containment with TMI source terms is assumed to result in a gradual release of airborne activity to the Penetration Building and Safety Equipment Building (**LOCA airb**), and in gamma

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

dose via shine from containment piping penetrations and post-accident recirculation piping (**LOCA shine**). Doors (other than R-suffix designated shield doors) do not perform a barrier function for **LOCA shine**. This hazard applies in Modes 1-4. Some common areas are affected by a **LOCA** in both Units.

MSLB: Main Steam Line Break. Postulated rupture of the main steam lines results in direct release of high temperature steam with jet impingement effects, and flooding due to condensation. Main steam piping in area TB, and portions of the main steam lines in area SE are non-seismic. This hazard applies in Modes 1-4. Some common areas are affected by a **MSLB** in both Units.

SDCB: ShutDown Cooling Break. The shutdown cooling system is a high energy system only during Mode 4 operation. Postulated critical cracks in the shutdown cooling piping under these conditions will result in direct steam release (due to flashing) and flooding.

Tsunami flooding: Flooding due to a postulated seismic displacement of the sea floor at the Hypothesized Offshore Zone of Deformation. Tsunami run-up is additive to other concurrent sea conditions (including tide, storm surge and wave action). This hazard applies in all Modes.

ALTERNATE BARRIERS:

Barriers or actions which provide equivalent protection against the specified hazards. For example, closing the Control Room missile doors provide protection against **MSLB** steam equivalent to that provided by the normal barrier doors. Non-load bearing interior walls can not be credited as **ALTERNATE BARRIERS** for postulated ruptures of non-seismic lines (eg. **MSLB/FWLB** outside containment) or for **LOCA** dose hazards, due to seismic failure modes and inadequate sectional density for shielding. If no **ALTERNATE BARRIERS** are defined, this is shown as (**NONE AVAILABLE**). If the hazards do not apply in certain Modes (eg. Modes 5/6/Defueled), this is shown as (**none required**).

COMPENSATORY MEASURES:

Actions which temporarily eliminate the hazard or reduce its consequences to an acceptable level. For example: a) Securing a system needed for unrestricted power operation (eg. auxiliary steam) can temporarily eliminate a hazard; b) Posting a flood watch can reduce a hazard by changing the assumed duration of the flood source from 20 minutes (design basis) to 10 minutes. If no **COMPENSATORY MEASURES** are defined, this is shown as (**NONE AVAILABLE**). If

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

the hazards do not apply in certain Modes (eg. Modes 5/6/Defueled), this is shown as (none required).

Table 1 is sorted by **PROTECTED EQUIPMENT AREA** (unit, building, level, area number, room number). Within each **PROTECTED EQUIPMENT AREA**, entries are further sorted by **HAZARD SOURCE AREA** (unit, building, level, area number, room number). Leading zeroes are included in the level and area numbers (eg. 2-AC-09-005 vs. 2-AC-9-5) for correct sorting.

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-076 (Rm 103M, 118), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	2-AC-09-005 (Rm 111A)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Bldg within 2 hours
2-AR-09-076 (Rm 118), via: FLOOR, PENETRATION SEALS	(2-AR-09, all areas) T/S 3.0.3	2-AC-(-5)-169 (ECWS piping tunnel)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Bldg within 2 hours
2-AR-09-081 (Rm 111A-D), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	2-AC-09-005 (Rm 111A)	CWS flood (TB2) CWS flood (TB3)	WALLS and PENETRATION SEALS ≤ elev 10'6": 2-AR-09-081 (Rm 111A): to 2-AR-09- 076 (Rm 107M, 118, 119B)	Post flood watch in Turbine Bldg within 2 hours

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-081 (Rm 111A-D), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	3-AC 09-006 (Rm 111B)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 3-AC-09-006) for requirements applicable to other hazards	WALLS and PENETRATION SEALS ≤ elev 10'6": 2-AR-09-081 (Rm 111B): to 2-AR-09-076 (Rm 103, 107L, 107M) 2-AR-09-081 (Rm 111C): to 2-AR-09-076 (Rm 107L) 2-AR-09-081 (Rm 111D): to 2-AR-09-080 (Rm 110) and to 3-PE-09-002A (Rm 110)	<u>CWS flood</u> : Post flood watch in Turbine Bldg within 2 hours See Table 2 for requirements applicable to other hazards
2-AR-09-082 (Rm 120A, 120B), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	2-AC-09-005 (Rm 111A) 2-AC-09-014 (Rm 110)	CWS flood (TB2) CWS flood (TB3) See Table 2 (areas 2-AC-09-005 and 2-AC-09-014) for requirements applicable to other hazards	WALLS and PENETRATION SEALS ≤ elev 10'6": 2-AR-09-082 (Rm 120A): to 2-AR-09-083 (Rm 122) and 2-TB-08-148G (Rm 112) and 2-PE-09-002A (Rm 110) 2-AR-09-082 (Rm 120B): to 2-AR-09-076 (Rm 103L, 103M)	<u>CWS flood</u> : Post flood watch in Turbine Bldg within 2 hours See Table 2 for requirements applicable to other hazards

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-136 (Rm 017), via: WALL, BLOCK WALL, PENETRATION SEALS, WT DOOR: S2008 S2009 ≤ elev 10'6"	Various Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-101)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 2-SE-(-15)-136) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood</u> : Post flood watch in Turbine Building within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours See Table 2 for requirements applicable to other hazards
2-SE-(-5)-135A (Rm 009, 014), via: WALL, PENETRATION SEALS ≤ elev 10'6"	CCW Train A/B SWC Train A/B <u>Mode 1-4</u> : (T/S 3.0.3) <u>Mode 5/6/Defuel</u> : (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-TB-(-9)-148E (SWC piping tunnel)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood</u> : Post flood watch in Turbine Bldg within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours See Table 2 for requirements applicable to other hazards

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CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135A (Rm 014), via: WALL, PENETRATION SEALS ≥ elev 10'6"	CCW Train A/B SWC Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-AC-(-5)-169 (ECWS piping tunnel)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Building within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours
2-SE-(-5)-135A (Rm 022, 025, 026), via: WALL, BLK WALLS, PENETRATION SEALS, WT DOOR: S2007 ≤ elev 10'6"	CCW Train A/B SWC Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-TB-07-148A (Rm T2-101)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood:</u> Post flood watch in Turbine Building within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours See Table 2 for requirements applicable to other hazards

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135B (Rm 006), via: WALL, PENETRATION SEALS ≤ elev 10'6"	CCW Train B <u>Mode 1-4:</u> (T/S 3/4.7.3) <u>Mode 5/6/Defuel:</u> (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-TB-(-9)-148E (SWC piping tunnel)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 2-SE-(-5)-135B) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood:</u> Post flood watch in Turbine Building within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours See Table 2 for requirements applicable to other hazards
2-TB- (later)	(later)	(later)	Tsunami flood	(later)	(later)
2-TB-08-148G (Rm 027), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-SE-(-5), all) (2-AR-09, all areas) T/S 3.0.3	2-AC-09-014 (Rm 110)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 2-AC-09-014) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood:</u> Post flood watch in Turbine Building within 2 hours, and Berm all openings to ≥ elev 9' within 12 hours See Table 2 for requirements applicable to other hazards

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-TB-08-148G (Rm 027), via: BERM: G-73	(2-SE-(-5), all) (2-AR-09, all areas) T/S 3.0.3	2-TB-07-148A (Rm T2-101)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Building within 2 hours, and Berm all openings to \geq elev 9' within 12 hours
3-PE-09-002A (Rm 110), via: WALL, PENETRATION SEALS \leq elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	3-AC-09-007 (Rm 112)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 3-AC-09-007) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>CWS flood</u> : Post flood watch in Turbine Bldg within 2 hours See Table 2 for requirements applicable to other hazards
3-SE-(-15)-136 (Rm 017), via: WALL, BLOCK WALL, PENETRATION SEALS, WT DOOR: S3008 S3009 \leq elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	3-TB-07-148A (Rm T3-101)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Bldg within 2 hours

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-SE-(-5)-135A (Rm 009, 014), via: WALL, PENETRATION SEALS ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	2-TB-(-9)-148E (SWC piping tunnel)	CWS flood (TB2) CWS flood (TB3)	WALLS, FLOOR, PENETRATION SEALS, HATCHES ≤ elev 10'6": 3-PE-(-18)-002B (Rm 030, 031, 111) from: 3-SE-(-5)-135A (Rm 009-014, 024-026), 3-SE-(-5)-135B (Rm 006), 3-SE-(-5)-135C (Rm 007), and WALLS, PENETRATION SEALS, WT DOOR C3105 ≤ elev 10'6": 3-PE-09-002A (Rm 110) from: 3-TB-08-148G (Rm 027)	Post flood watch in Turbine Bldg within 2 hours

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-SE-(-5)-135A (Rm 014), via: WALL, PENETRATION SEALS \geq elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	2-AC-(-5)-169 (ECWS piping tunnel)	CWS flood (TB2) CWS flood (TB3)	WALLS, FLOOR, PENETRATION SEALS, HATCHES \leq elev 10'6": 3-PE-(-18)-002B (Rm 030, 031, 111) from: 3-SE-(-5)-135A (Rm 009-014, 024-026), 3-SE-(-5)-135B (Rm 006), 3-SE-(-5)-135C (Rm 007), and WALLS, PENETRATION SEALS, WT DOOR C3105 \leq elev 10'6": 3-PE-09-002A (Rm 110) from: 3-TB-08-148G (Rm 027)	Post flood watch in Turbine Bldg within 2 hours

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CRITICAL FARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-SE-(-5)-135A (Rm 022, 025, 026), via: WALL, BLK WALLS, PENETRATION SEALS, WT DOOR: S3007 ≤ elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	3-TB-07-148A (Rm T3-101)	CWS flood (TB2) CWS flood (TB3)	WALLS, FLOOR, PENETRATION SEALS, HATCHES ≤ elev 10'6": 3-PE-(-18)-002B (Rm 030, 031, 111) from: 3-SE-(-5)-135A (Rm 009-014, 024-026), 3-SE-(-5)-135B (Rm 006), 3-SE-(-5)-135C (Rm 007), and WALLS, PENETRATION SEALS, WT DOOR C3105 ≤ elev 10'6": 3-PE-09-002A (Rm 110) from: 3-TB-08-148G (Rm 027)	Post flood watch in Turbine Bldg within 2 hours
3-TB- (later)	(later)	(later)	Tsunami flood	(later)	(later)

LCS 3.7-1xxx TABLE 1
CRITICAL BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-TB-08-148G (Rm 027), via: WALL, PENETRATION SEALS \leq elev 10'6"	(2-AR-09, all areas) T/S 3.0.3	3-AC-09-007 (Rm 112)	CWS flood (TB2) CWS flood (TB3) See Table 2 (area 3-AC-09-007) for requirements applicable to other hazards	WALLS, FLOOR, PENETRATION SEALS, HATCHES \leq elev 10'6": 3-PE-(-18)-002B (Rm 030, 031, 111) from: 3-SE-(-5)-135A (Rm 009-014, 024-026), 3-SE-(-5)-135B (Rm 006), 3-SE-(-5)-135C (Rm 007), and WALLS, PENETRATION SEALS, WT DOOR C3105 \leq elev 10'6": 3-PE-09-002A (Rm 110) from: 3-TB-08-148G (Rm 027) See Table 2 for requirements applicable to other hazards	CWS flood: Post flood watch in Turbine Bldg within 2 hours See Table 2 for requirements applicable to other hazards
3-TB-08-148G (Rm 027), via: BERM: G-74	(2-AR-09, all areas) T/S 3.0.3	3-TB-08-148A (Rm T3-101)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Bldg within 2 hours

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

KEYNOTES

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
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PROTECTED EQUIPMENT AREA:

The plant area number (unit, building, elevation and area) which the specified barriers protect from the **APPLICABLE HAZARDS**. This area may contain the **PROTECTED SYSTEMS** or (if the other walls/floors of the area are not sealed against the hazard) serve as a buffer space against propagation of the hazards into the areas in which the **PROTECTED SYSTEMS** are actually located. The specified barriers include **WALLS, FLOORS, PENETRATION SEALS, DOORS, WATER-TIGHT (WT) DOORS, and HATCHES** as applicable. (Conduit seals are considered **PENETRATION SEALS** in this table.) . The following abbreviations are used for buildings:

AC: Auxiliary Building (Control Area). This building/area is common to both Unit 2 and 3.

AR: Auxiliary Building (Radwaste Area). This building/area is common to both Unit 2 and 3.

CT: Cable Tunnel. Each unit has its own Cable Tunnel.

DG: Diesel Generator Building. Each unit has its own Diesel Generator Building.

FH: Fuel Handling Building. Each unit has its own Fuel Handling Building.

PE: Penetration Building. Each unit has its own Penetration Building.

SE: Safety Equipment Building. Each unit has its own Safety Equipment Building.

TB: Turbine Building. Each unit has its own Turbine Building. Portions of the Turbine Buildings are common to both Units, including the intake structure area and SaltWater Cooling System piping tunnels.

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

TK: Tank Building. Each unit has its own Tank Building.

YD: Yard Area. Yard Areas 2-YD-30-200A and 2-YD-30-200B are the Unit 2 + common and the Unit 3 yard areas, respectively. These area designations are used for the roof areas of buildings for which a separate area designation is not assigned.

PROTECTED SYSTEMS (Applicable T/S):

The safety related and safe shutdown system trains located in the **PROTECTED EQUIPMENT AREA**, and the Technical Specifications which apply if they must be declared inoperable. The specific systems are identified in the applicable UFHA sections for each area. Cable is not included (based on original plant qualification) unless missile hazards apply to the area. Due to the large number of systems/trains in some areas, this may be shown as **Various (Train A/B)** or similar. If the area is a buffer space for adjoining areas containing protected equipment (see discussion under **PROTECTED EQUIPMENT AREA** above), the designation for the area containing the protected equipment is listed in this field instead (eg. (2-AR-09-076)).

In Modes 1-4, if the **PROTECTED SYSTEMS** must be declared inoperable and: a) the affected areas have not been evaluated for 10 CFR 50.49(b)(2) effects, or b) if both trains of required systems must be declared inoperable and this is not specifically addressed under the system Technical Specification, then Tech Spec 3.0.3 applies. In Modes 5/6/Defueled, one or more of Technical Specifications 3/4.1.2 (CVCS), 3/4.3.1 (RPS), 3/4.3.2 (ESFAS), 3/4.4.1.4 or 3/4.9.8 (SDCS), 3/4.7.5 (CREACUS), 3/4.7.10 (ECWS), 3/4.8.3 (electrical distribution) or 3/4.9.12 (PACU) would apply. Fire Protection requirements per Technical Specification 3/4.7.9 also apply to most barriers, but are controlled through a separate program.

HAZARD SOURCE AREA:

The plant area number (unit, building, elevation and area) in which the **APPLICABLE HAZARDS** may exist without credit for alternate barriers. These hazards (eg. line break events) may occur in the specified source area, or propagate through the specified source area from another location (eg. through a corridor from the turbine building). The same abbreviations are used as defined for hazard source areas, above.

APPLICABLE HAZARDS:

The Environmental Qualification (EQ) and internally-generated missile hazards that apply to the specified source area, including steam, radiation and flooding. The hazards are applicable in

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

all Modes unless otherwise specified (eg. Mode 1-4, or Mode 5/6/Defuel). If no hazards apply in the Mode, this is shown as **(none)**. The following hazard abbreviations are used in conjunction with the building abbreviations defined above to define the source location:

ASLB: Auxiliary Steam Line Break (for example, **ASLB (50'AR)**). Postulated ruptures of the non-seismic auxiliary steam line result in direct release of high temperature steam (366 F) and flooding due to steam condensation. ASLBs in the AR building are assumed to drain to the 9' PB and Shutdown Cooling System piping tunnels. This hazard applies in all Modes.

CWS flood: Circulating Water System flood. Postulated ruptures of the non-seismic circulating water system in either unit results in flooding of both turbine buildings to elevation +10'6". This hazard applies in all Modes.

FWLB: FeedWater Line Break. Postulated ruptures of the non-seismic main feedwater system results in direct release of high temperature steam (due to flashing) and flooding with jet impingement effects. This hazard applies in Modes 1-4. Some common areas are affected by a **FWLB** in both Units.

Internal flooding: Flooding due to fire suppression system operation or postulated ruptures of piping (including condensation from steam line breaks) or tank walls. "Internal" distinguishes these events from flooding due to external sources (eg. probable maximum precipitation events), which are addressed by the Severe Weather AOI. This hazard applies in all Modes.

Internal missiles: Postulated missiles from rotating equipment and high energy lines. "Internal" distinguishes these events from missiles due to external sources (eg. tornado missiles), which are addressed by the Severe Weather AOI. This hazard applies in all Modes.

LDLB: LetDown Line Break. Postulated rupture of the Letdown system piping will result in direct release of high temperature steam (due to flashing) and flooding. Portions of the Letdown system piping in area AR are non-seismic. This hazard applies in Modes 1-4. Some common areas are affected by a **LDLB** in both Units.

LOCA: Loss of Coolant Accident. Postulated rupture of the Reactor Coolant System in containment with TMI source terms is assumed to result in a gradual release of airborne activity to the Penetration Building and Safety Equipment Building (**LOCA airb**), and in gamma

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

dose via shine from containment piping penetrations and post-accident recirculation piping (**LOCA shine**). Doors (other than R-suffix designated shield doors) do not perform a barrier function for **LOCA shine**. This hazard applies in Modes 1-4. Some common areas are affected by a **LOCA** in both Units.

MSLB: Main Steam Line Break. Postulated rupture of the main steam lines results in direct release of high temperature steam with jet impingement effects, and flooding due to condensation. Main steam piping in area TB, and portions of the main steam lines in area SE are non-seismic. This hazard applies in Modes 1-4. Some common areas are affected by a **MSLB** in both Units.

SDCB: ShutDown Cooling Break. The shutdown cooling system is a high energy system only during Mode 4 operation. Postulated critical cracks in the shutdown cooling piping under these conditions will result in direct steam release (due to flashing) and flooding.

Tsunami flooding: Flooding due to a postulated seismic displacement of the sea floor at the Hypothesized Offshore Zone of Deformation. Tsunami run-up is additive to other concurrent sea conditions (including tide, storm surge and wave action). This hazard applies in all Modes.

ALTERNATE BARRIERS:

Barriers or actions which provide equivalent protection against the specified hazards. For example, closing the Control Room missile doors provide protection against **MSLB** steam equivalent to that provided by the normal barrier doors. Non-load bearing interior walls can not be credited as **ALTERNATE BARRIERS** for postulated ruptures of non-seismic lines (eg. **MSLB/FWLB** outside containment) or for **LOCA** dose hazards, due to seismic failure modes and inadequate sectional density for shielding. If no **ALTERNATE BARRIERS** are defined, this is shown as (**NONE AVAILABLE**). If the hazards do not apply in certain Modes (eg. Modes 5/6/Defueled), this is shown as (**none required**).

COMPENSATORY MEASURES:

Actions which temporarily eliminate the hazard or reduce its consequences to an acceptable level. For example: a) Securing a system needed for unrestricted power operation (eg. auxiliary steam) can temporarily eliminate a hazard; b) Posting a flood watch can reduce a hazard by changing the assumed duration of the flood source from 20 minutes (design basis) to 10 minutes. If no **COMPENSATORY MEASURES** are defined, this is shown as (**NONE AVAILABLE**). If

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

the hazards do not apply in certain Modes (eg. Modes 5/6/Defueled), this is shown as **(none required)**.

Table 2 consists of 4 sections (for Protected Equipment Areas AC, AR, CT through PE, and SE through YD). Each section is sorted by **PROTECTED EQUIPMENT AREA** (unit, building, level, area number, room number). Within each **PROTECTED EQUIPMENT AREA**, entries are further sorted by **HAZARD SOURCE AREA** (unit, building, level, area number, room number). Leading zeroes are included in the level and area numbers (eg. 2-AC-09-005 vs. 2-AC-9-5) for correct sorting.

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-(-5)-169 (ECWS piping tunnel), via: ROOF, PENETRATION SEALS, HATCH: manhole	ECWS Train A/B (T/S 3/4.7.10), Elec Train B (T/S 3/4.8.3)	2-AC-09-012 (Rm 107)	Internal missiles	(NONE AVAILABLE)	Secure fan unit SA1510ME295
2-AC-(-5)-169 (ECWS piping tunnel), via: ROOF, PENETRATION SEALS	ECWS Train A/B (T/S 3/4.7.10), Elec Train B (T/S 3/4.8.3)	2-AR-09-076 (Rm 118)	See applicable entries in Table 1 for area 2-AR-09-076		
2-AC-09- (all except 2-AC-09-014), via: ROOF, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AC-30- (all except 2-AC-30-028)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 31'9"

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-09-005 (Rm 111A), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-09-082 (Rm 120A, 120B)	LOCA shine (T075) LOCA shine (T076) ASLB (9' AR) See Table 1 (area 2-AR-09-082) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>LOCA</u> : NONE AVAILABLE <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060) See Table 1 for requirements applicable to other hazards
2-AC-09-008 (Rm 114), via: WALL, PENETRATION SEALS, DOOR: AC119	<u>Mode 1-4</u> : (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4</u> : MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel</u> : MSLB (TB3) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB</u> : (NONE AVAILABLE) <u>Flood</u> : Post flood watch in Turbine Bldg
2-AC-09-009 (Rm 115), via: WALL, PENETRATION SEALS	<u>Mode 1-4</u> : ECWS Train A (T/S 3/4.7.10) Elec Train A (T/S 3/4.8.3) (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4</u> : MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> ECWS Train A (T/S 3/4.7.10) Elec Train A (T/S 3/4.8.3) (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	MSLB/FWLB: (NONE AVAILABLE) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-09-010 (Rm 116), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	MSLB/FWLB: (NONE AVAILABLE) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-09-011 (Rm 117), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> ECWS Train B (T/S 3/4.7.10) Elec Train B (3/4.8.3) (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

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OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> ECWS Train B (T/S 3/4.7.10) Elec Train B (3/4.8.3) (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-09-012 (Rm 107), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CREACUS Train A/B (T/S 3/4.7.5) (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T2-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> CREACUS Train A/B (T/S 3/4.7.5) (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-09-013 (Rm 108), via: WALL, PENETRATION SEALS	Elec Train B (T/S 3/4.8.3)	2-AC-09-012 (Rm 107)	Internal missiles	(NONE AVAILABLE)	Secure fan unit SA1510ME295

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-09-013 (Rm 108), via: WALL, PENETRATION SEALS, DOOR: AC108	<u>Mode 1-4:</u> Elec Train B (T/S 3/4.8.3) (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T2-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Elec Train B (T/S 3/4.8.3) (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-09-014 (Rm 110), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-09-082 (Rm 120A)	LOCA shine (T075) ASLB (9' AR) See Table 1 (area 2-AR-09-082) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>LOCA:</u> NONE AVAILABLE <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060) See Table 1 for requirements applicable to other hazards
2-AC-09-014 (Rm 110), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-(-18)-002B (Rm 111 elev 15')	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)		
2-AC-09-014 (Rm 110), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-TB-(-9)-148E (SWC piping tunnel)	CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	Post flood watch in Turbine Bldg
2-AC-09-014 (Rm 110), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-07-148B (Rm T2-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood:</u> Post flood watch in Turbine Bldg

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-09-014 (Rm 110), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-8-148G (Rm 027 (2SE), Rm 112 (2PE))	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) ASLB (corridor) See Table 1 (area 2-TB-08-148G) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>MSLB/FWLB/ASLB:</u> (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S: See keynotes)		<u>Mode 5/6/Defuel:</u> ASLB (corridor) See Table 1 (area 2-TB-08-148G) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060) See Table 1 for requirements applicable to other hazards
2-AC-09-016 (Rm 103, 104, 118), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AC-09-012 (Rm 107)	Internal missiles	(NONE AVAILABLE)	Secure fan unit SA1510ME295
2-AC-09-016 (Rm 102, 103, 105), via: WALL, PENETRATION SEALS DOOR: AC101	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-07-148B (Rm T2-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) CWS flood (TB2) CWS flood (TB3)		
2-AC-30- (all except 2-AC-30-028), via: ROOF, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AC-50- (all except 2-AC-50-036, and -037)	Internal flooding	(NONE AVAILABLE)	MSLB/FWLB: (NONE AVAILABLE) <u>Flood:</u> Post flood watch in Turbine Bldg
2-AC-30-020A (Rm 216, 217, 231), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-TB-34-148D (Rm T2-202, T3-202)	MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AC-30-020A (Rm 229), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-09-082 (Rm 120A, 120B)	LOCA shine (T075) LOCA shine (T076) ASLB (9' AR)	(NONE AVAILABLE)	<u>LOCA:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-30-020A to E (Control room area), via: OTHER BARRIERS	CREACUS boundary (T/S 3/4.7.5)	OTHER AREAS	(none)	(none required)	See procedure SO23-I-8.29

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-30-020E (Rm 201, 207A), via: WALL, PENETRATION SEALS, DOOR: AC263, AC264	<u>Mode 1-4:</u> ECWS Train A (T/S 3/4.7.10) CREACUS Train A (T/S 3/4.7.5) (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T2-202)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) ASLB (TB2-TB3)	Close missile door AC201	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> ECWS Train A (T/S 3/4.7.10) CREACUS Train A (T/S 3/4.7.5) (2-AC-30, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	Close missile door AC201	(NONE AVAILABLE)
2-AC-30-022 (Rm 221), via: WALL, PENETRATION SEALS DOOR: AC218	Elec Train A (3/4.8.3) (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T3-202)	MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AC-30-023 (Rm 219), via: WALL, PENETRATION SEALS	ECWS Train A (3/4.7.10) CREACUS Train A (3/4.7.5) (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T3-202)	MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-30-026 (Rm 233), via: WALL, PENETRATION SEALS	ECWS Train A/B (3/4.7.10) CREACUS Train A/B (T/S 3/4.7.5)	2-AC-09-012 (Rm 107)	Internal missiles	(NONE AVAILABLE)	Secure fan unit SA1510ME295
2-AC-30-026 (Rm 233), via: WALL, PENETRATION SEALS	Mode 1-4: ECWS Train A/B (3/4.7.10) CREACUS Train A/B (T/S 3/4.7.5) (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T2-202)	Mode 1-4: MSLB (TB2) FWLB (TB2) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: ECWS Train A/B (3/4.7.10) CREACUS Train A/B (T/S 3/4.7.5) (2-AC-30, all areas) T/S: See keynotes		Mode 5/6/Defuel: ASLB (TB2-TB3)	(NONE AVAILABLE)	Secure aux steam header between TB2 and TB3 (eg. close valve S31312MU058)
2-AC-30-027 (Rm 234), via: WALL, PENETRATION SEALS DOOR: AC242	Mode 1-4: (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T2-202)	Mode 1-4: MSLB (TB2) FWLB (TB2) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: (2-AC-30, all areas) T/S: See keynotes		Mode 5/6/Defuel: ASLB (TB2-TB3)	(NONE AVAILABLE)	Secure aux steam header between TB2 and TB3 (eg. close valve S31312MU058)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-30-028 (Rm 236), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-09-082 (Rm 120A)	LOCA shine (T075) ASLB (9'AR)	(NONE AVAILABLE)	<u>LOCA</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-30-028 (Rm 236), via: WALL, PENETRATION SEALS, DOOR: AC244/244R	<u>Mode 1-4</u> : Various Train A/B (T/S 3.0.3)	2-PE-30-002C (Rm 208)	<u>Mode 1-4</u> : LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : N/A		<u>Mode 5/6/Defuel</u> : (none)	(none required)	(none required)
2-AC-30-028 (Rm 236), via: WALL, PENETRATION SEALS, DOOR: AC243	<u>Mode 1-4</u> : Various Train A/B (T/S 3.0.3)	2-SE-30-142A (Rm 103)	<u>Mode 1-4</u> : MSLB (SE2) FWLB (SE2) MSLB (TK2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : N/A		<u>Mode 5/6/Defuel</u> : (none)	(none required)	(none required)
2-AC-30-028 (Rm 236), via: WALL, PENETRATION SEALS	<u>Mode 1-4</u> : Various Train A/B (T/S 3.0.3)	2-TB-34-148D (Rm T2-202)	<u>Mode 1-4</u> : MSLB (TB2) FWLB (TB2) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : Various Train A/B (T/S: See keynotes)		<u>Mode 5/6/Defuel</u> : ASLB (TB2-TB3)	(NONE AVAILABLE)	Secure aux steam header between TB2 and TB3 (eg. close valve S31312MU058)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50- (all except 2-AC-50-036 and -037), via: ROOF, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AC-70- (all except 2-AC-70-063)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 70'9"
2-AC-50-029 (Rm 303B, 303D, 312), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50'AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-50-029 (Rm 303A, 303C, 303E), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-34-148D (Rm T2-202, T3-202)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam header between TB2 and TB3 (eg. close S31312MU058)
2-AC-50-035 (Rm 302A), via: WALL, PENETRATION SEALS, DOOR: AC301, AC302	Elec Train B/D (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50-035 (Rm 302A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train B/D (T/S 3/4.8.3) (2-AC-50, all areas) T/S 3.0.3	2-TB-34-148D (Rm T2-202)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Elec Train B/D (T/S 3/4.8.3) (2-AC-50, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam header between TB2 and TB3 (eg. close S31312MU058)
2-AC-50-036 (Rm 305A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-34-148D (Rm T2-202)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S: See keynotes)		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam header between TB2 and TB3 (eg. close S31312MU058)
2-AC-50-036 (Rm 305A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50-037 (Rm 305), via: WALL, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-50-037 (Rm 305), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-30-142A (Rm 203)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) MSLB (TK2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AC-50-037 (Rm 305), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AC-50-037 (Rm 305), via: WALL, PENETRATION SEALS, DOOR: AC307	<u>Mode 1-4:</u> Various Train A/D (T/S 3.0.3)	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	<u>Door:</u> Post watch to close door at ALERT
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AC-50-038 (Rm 309A), via: WALL, PENETRATION SEALS, DOOR: AC309	HVAC Train A (T/S 3/4.7.10)	2-AC-50-037 (Rm 305)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50-038 (Rm 309A), via: WALL, PENETRATION SEALS	HVAC Train A (T/S 3/4.7.10) (2-AC-50, all areas) T/S 3.0.3	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-50-039 (Rm 309B), via: WALL, PENETRATION SEALS, DOOR: AC311	Elec Train B (T/S 3/4.8.3) HVAC Train B (T/S 3/4.7.10)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-039 (Rm 309B), via: WALL, PENETRATION SEALS	HVAC Train B (T/S 3/4.7.10) (2-AC-50, all areas) T/S 3.0.3	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AC-50-040 (Rm 308A), via: WALL, PENETRATION SEALS, DOOR: AC312	Elec Train A/C (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-043 (Rm 311), via: WALL, PENETRATION SEALS, DOOR: AC314, AC325	Various Train A/B (T/S 3/4.3.3.5)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50-044 (Rm 310D), via: WALL, PENETRATION SEALS, DOOR: AC315	Elec Train B (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-045 (Rm 310C), via: WALL, PENETRATION SEALS, DOOR: AC317	Elec Train D (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-046 (Rm 310B), via: WALL, PENETRATION SEALS, DOOR: AC318	Elec Train C (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-047 (Rm 310A), via: WALL, PENETRATION SEALS, DOOR: AC320	Elec Train A (T/S 3/4.8.3)	2-AC-50-029 (Rm 303A, 303B, 303C)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-048 (Rm 306E), via: WALL, PENETRATION SEALS, DOOR: AC321	Elec Train A (T/S 3/4.8.3)	2-AC-50-029 (Rm 303C, 312)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-50-049 (Rm 306D), via: WALL, PENETRATION SEALS, DOOR: AC322	Elec Train A/C (T/S 3/4.8.3)	2-AC-50-029 (Rm 303C, 312)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-050 (Rm 306C), via: WALL, PENETRATION SEALS, DOOR: AC323	Elec Train B/D (T/S 3/4.8.3)	2-AC-50-029 (Rm 303C, 312)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-50-051 (Rm 306B), via: WALL, PENETRATION SEALS, DOOR: AC324	Elec Train B (T/S 3/4.8.3)	2-AC-50-029 (Rm 303C, 312)	Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 50'9"
2-AC-70-063 (Rm 423), via: WALL, PENETRATION SEALS DOOR: AC403	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-63-003B (Rm 406)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	<u>Door:</u> Post watch to close door at ALERT <u>Other:</u> (NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AC-70-063 (Rm 423), via: WALL, PENETRATION SEALS, DOOR: AC458	Various Train A/B (T/S 3.0.3)	2-SE-30-142A (Rm 204)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles		
2-AC-70-063 (Rm 423), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	<u>Door:</u> None required; <u>Other:</u> Secure fan units S21506MA392 and S21506MA393
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AC-70-064 (Rm 403), via: WALL, PENETRATION SEALS, DOORS: AC417, AC455	(2-AC-70, all areas) T/S 3.0.3	2-AR-63-116 (Rm 507A/B, 509A/B, 512, 513, 515, 519B)	ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AC-70-064 (Rm 403), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AC-70, all areas) T/S 3.0.3	2-SE-50-146 (Rm 114)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AC-70-064 (Rm 401), via: WALL, PENETRATION SEALS, DOOR: AC401	Mode 1-4: (2-AC-70, all areas) T/S 3.0.3	2-SE-70-172 (Rm 202)	Mode 1-4: MSLB (SE2) FWLB (SE2) (Note: propagates from 2-SE-50-146 via louvered openings in 2-SE-70-172 walls)	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: N/A		(none)	(none required)	(none required)
3-AC-09-006 (Rm 111B), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) T/S 3.0.3	2-AR-09-081 (Rm 111A-D)	See applicable entries in Table 1 for area 2-AR-09-081		
3-AC-09-007 (Rm 112), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) T/S 3.0.3	2-AR-09-081 (Rm 111D)	See applicable entries in Table 1 for area 2-AR-09-081		
3-AC-09-007 (Rm 112), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) T/S 3.0.3	3-PE-09-002A (Rm 112)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4) See Table 1 (area 3-PE-09-002A) for requirements applicable to other hazards	LOCA/LDLB/SDCB: (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards	LOCA/LDLB/SDCB: (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AC-09-007 (Rm 112), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AC-09, all areas) T/S 3.0.3	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) See Table 1 (area 3-AC-09-007) for requirements applicable to other hazards	(NONE AVAILABLE) See Table 1 for requirements applicable to other hazards	(NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
	<u>Mode 5/6/Defuel:</u> (2-AC-09, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) See Table 1 (area 3-AC-09-007) for requirements applicable to other hazards	(NONE AVAILABLE) See Table 1 for requirements applicable to other hazards	(NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
3-AC-09-007 (Rm 112), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) T/S 3.0.3	3-TB-08-148G (Rm 027 (SE3))	MSLB (TB3) FWLB (TB3) See Table 1 (area 3-TB-08-148G) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
3-AC-30-021 (Rm 224), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AC-30, all areas) T/S 3.0.3	2-TB-34-148D (Rm T3-202)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> (2-AC-30, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)		
3-AC-30-021 (Rm 224), via: WALL, PENETRATION SEALS, DOOR: AC245/245R	(2-AC-30, all areas) T/S 3.0.3	3-PE-30-002C (Rm 208)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AC-30-021 (Rm 224), via: WALL, PENETRATION SEALS, DOOR: AC246	(2-AC-30, all areas) T/S 3.0.3	2-SE-30-142A (Rm 103)	MSLB (SE3) FWLB (SE3) MSLB (TK3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AC-50-030 (Rm 309C), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
3-AC-50-031 (Rm 309D), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
3-AC-50-032 (Rm 315), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	2-AR-50-111A, B (Rm 405A, 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AC-50-032 (Rm 315), via: WALL, PENETRATION SEALS, DOOR: AC342	(2-AC-50, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	<u>Door</u> : Post watch to close door at ALERT <u>Other</u> : (NONE AVAILABLE)
3-AC-50-037 (Rm 315B), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	3-SE-30-142A (Rm 203)	MSLB (SE3) FWLB (SE3) MSLB (TK3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AC-50-032 (Rm 315), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	3-SE-50-146 (Rm 114)	MSLB (SE3) FWLB (SE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AC-50-033 (Rm 315B), via: WALL, PENETRATION SEALS	(2-AC-50, all areas) T/S 3.0.3	3-SE-50-146 (Rm 114)	MSLB (SE3) FWLB (SE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AC-50-033 (Rm 315B), via: WALL, PENETRATION SEALS	<u>Mode 1-4</u> : (2-AC-50, all areas) T/S 3.0.3	2-TB-34-148D (Rm T3-302)	<u>Mode 1-4</u> : MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : (2-AC-50, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel</u> : MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam header between TB2 and TB3 (eg. close S31312MU058)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AC-50-034 (Rm 302B), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AC-50, all areas) T/S 3.0.3	2-TB-34-148D (Rm T3-202)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> (2-AC-50, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3) ASLB (TB2-TB3)	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam header between TB2 and TB3 (eg. close S31312MU058)
3-AC-70-065 (Rm 449), via: WALL, PENETRATION SEALS, DOOR: AC445	(2-AC-70, all areas) T/S 3.0.3	3-PE-63-003B (Rm 406)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	<u>Door:</u> Post watch to close door at ALERT <u>Other:</u> (NONE AVAILABLE)
3-AC-70-065 (Rm 449), via: WALL, PENETRATION SEALS DOOR: AC459	(2-AC-70, all areas) T/S 3.0.3	3-SE-30-142A (Rm 204)	MSLB (SE3) FWLB (SE3) MSLB (TK3) Internal missiles	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>Missiles:</u> Secure fan units S31506MA392, S31506MA393 (note: Door AC459 is not a barrier for the missile hazard)
3-AC-70-065 (Rm 449), via: WALL, PENETRATION SEALS	(2-AC-70, all areas) T/S 3.0.3	3-SE-50-146 (Rm 114)	MSLB (SE3) FWLB (SE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AC-70-175 (Rm 461), via: WALL, PENETRATION SEALS	(2-AC-70, all areas) T/S 3.0.3	3-SE-50-146 (Rm 114)	MSLB (SE3) FWLB (SE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-073 (RM 127A), via: WALL, PENETRATION SEALS	CCW Train A/B T/S 3.0.3 (2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A)	LB (24' AR)	(NONE AVAILABLE)	Secure letdown on both units (eg. close 2HV9267 and 3HV9267)
2-AR-09-073 (Rm 127A), via: WALL, PENETRATION SEALS	CCW Train A/B (T/S 3.0.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A 2-AR-50-111B (Rm 411)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-073 (Rm 127A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-09-002A (Rm 113)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-09-073 (Rm 127A) via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-30-002C (Rm 212, 213)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17 (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan units S21502ME360 and ME362, or utilize seismic tankers for CCW makeup
2-AR-09-073 (Rm 127A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-074 (Rm 126A, 126B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A, 218, 215E)	LDLB (24' AR)	WALL, PENETRATION SEALS from 2-AR-09-074 (Rm 126A/B) to: 2-AR-09-076 (Rm 103A), ROOF, PENETRATION SEALS from 2-AR-09-074 (Rm 126A/B) to: 2-AR-37-102A (Rm 335A/B, 336, 337, 338, 339)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
2-AR-09-076 (all rooms), via: ROOF, PENETRATION SEALS	(2-AR-09, all areas) T/S 3.0.3	2-AR-24-094 (all rooms), 2-AR-24-100 (Rm 209A), 2-AR-24-101 (Rm 209B)	LDLB (24' AR) Internal flooding	(NONE AVAILABLE)	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Flood</u> : Berm all openings to \geq elev 24'6"
2-AR-09-076 (Rm 103A, 104A), via: WALL, PENETRATION SEALS, DOOR: AR101	<u>Mode 1-4</u> : CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4</u> : LOCA airb (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : N/A		<u>Mode 5/6/Defuel</u> : (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE APEA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-076 (Rm 103A, 104B), via: WALL, PENETRATION SEALS, DOOR: AR104	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCA airb (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-09-076 (Rm 103A, 103F, 103L, 107K, 109, 121A, 124, 129), via: WALL, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-AR-09-073 (Rm 127A) 2-AR-09-074 (Rm 126A, 126B) 2-AR-09-075 (Rm 127B) 2-AR-09-080 (Rm 110) 2-AR-09-083 (Rm 122)	Internal flooding Rm 110: MT064 Rm 122: MT069 Rm 126A: MT057 Rm 126B: MT058 Rm 127A: MT056 Rm 127B: MT055	(NONE AVAILABLE)	Drain tank in affected room below elevation of barrier breach
2-AR-09-076 (Rm 103L, 107L, 107M, 118, 119B), via: WALL, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-AR-09-081 (Rm 111A, 111B, 111C, 111D)	Internal flooding Rm 111A: MT065 Rm 111B: MT066 Rm 111C: MT067 Rm 111D: MT068	(NONE AVAILABLE)	Drain tank in affected room below elevation of barrier breach

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-076 (Rm 103L, 103M), via: WALL, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-AR-09-082 (Rm 120A, 120B)	LOCA shine (T075) LOCA shine (T076) ASLB (9' AR) Internal flooding Rm 120A: MT075 Rm 120B: MT076	(NONE AVAILABLE)	<u>LOCA</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood</u> : Drain tank in affected room below elevation of barrier breach
2-AR-09-077 (Rm 102), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-09-077 (Rm 202), via: WALL, PENETRATION SEALS, DOOR: AR202	(2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A, 204B)	LDLB (24' AR)	STAIRWELL WALLS, DOORS: AR103, AR302, AR304, AR403 and AR503	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-077 (Rm 202), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-30-002C (Rm 210)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4) Internal missiles	(NONE AVAILABLE)	<u>LOCA/LDLB/SDCB</u> : (NONE AVAILABLE) <u>Missiles</u> : Secure far unit S31502ME363
2-AR-09-077 (Rm 419), via: WALL, PENETRATION SEALS, DOOR: AR403	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 411, 418)	ASLB (50' AR)	STAIRWELL WALLS, PENETRATION SEALS, DOORS: AR103, AR202, AR302, AR304, and AR503	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-077 (Rm 419), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-077 (Rm 524), via: WALL, PENETRATION SEALS, DOOR: AR503	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 501, 523)	ASLB (63' AR)	STAIRWELL WALLS, DOORS: AR103, AR202, AR302, AR304, AR403	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380
2-AR-09-077 (Rm 524), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-63-003A (Rm 406)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-09-080 (Rm 110), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) T/S 3.0.3	3-PE-09-002A (Rm 112)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-081 (Rm 111A-B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-37, all areas) (2-AC-09, all areas) (2-AC-30, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	WALLS, PENETRATION SEALS from 2-AR-09-081 (Rm 111A-D) to: 2-AC-09-005 (Rm 111A), 2-AC-30-20A, 3-AC-09-006 (Rm 111B), 2-AR-09-076 (Rm 103L, 107L, 107M, 118, 119B), 2-AR-37-102A (Rm 309B-D)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
2-AR-09-081 (Rm 111D), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) T/S 3.0.3	3-PE-09-002A (Rm 112)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4) Note: Barrier does not have ASLB function, since same size breaks postulated on both sides of wall.	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-09-082 (Rm 120A), via: WALL, PENETRATION SEALS		2-AR-24-094 (RM 206D)	See applicable entries for area 2-AR-24-094		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-082 (Rm 120A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4:</u> ASLB (9' AR)) LOCA airb (PE2) LOCA shine (PE2) LOCA shine (T075) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) T/S: See keynotes		<u>Mode 5-6:</u> LOCA shine (T075) ASLB (9' AR) Note: includes hazards from 2-AR-09-082 to 2-PE-09-002A	(NONE AVAILABLE)	<u>LOCA:</u> (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-082 (Rm 120A), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) T/S 3.0.3	2-TB-8-148G (Rm 027 (2SE), 112 (2PE))	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) Note: Barrier does not have ASLB function since same size breaks postulated on both sides of wall.	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-083 (Rm 122), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24-098) T/S 3.0.3	2-AR-09-082 (Rm 120A)	LOCA shine (T075) ASLB (9' AR)	(NONE AVAILABLE)	<u>LOCA</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-083 (Rm 122), via: WALL, PENETRATION SEALS	<u>Mode 1-4</u> : (2-AR-09, all areas) (2-AR-24-098) T/S 3.0.3	2-PE-09-002A (Rm 112)	<u>Mode 1-4</u> : LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : N/A		<u>Mode 5/6/Defuel</u> : (none)	(none required)	(none required)
2-AR-09-084A (Rm 105A), via: WALL, PENETRATION SEALS, WT DOOR: AR113	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-09-076 (Rm 103B, 103F, 104A)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-084A (Rm 105A), via: WALL, PENETRATION SEALS	<u>Mode 1-4</u> : CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4</u> : LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel</u> : N/A		<u>Mode 5/6/Defuel</u> : (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-084B (Rm 105B), via: WALL, PENETRATION SEALS, WT DOOR: AR114	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-09-076 (Rm 103B, 103F)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-084B (Rm 105B), via: WALL, PENETRATION SEALS	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-09-083 (Rm 122)	Internal flooding	(NONE AVAILABLE)	Drain tank MT069 to below elevation of barrier breach
2-AR-09-084B (Rm 105B), via: WALL, PENETRATION SEALS	Mode 1-4: CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10) (2-AR-09, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	Mode 1-4: LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: N/A		Mode 5/6/Defuel: (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-086 (Rm 101), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel</u> (none)	(none required)	(none required)
2-AR-09-086 (Rm 201), via: WALL, PENETRATION SEALS, DOOR: AR201	(2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A, 204A)	LDLB (24' AR)	STAIRWELL WALLS, DOORS: AR102 and AR305	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
2-AR-09-086 (Rm 201), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-30-002C (Rm 211)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-09-086 (Rm 301, 401), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> (2-AR-37, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21502ME363
2-AR-09-086 (Rm 401), via: WALL, PENETRATION SEALS, DOOR: AR401	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 411)	ASLB (50' AR)	STAIRWELL WALLS, DOORS: AR102, AR201, AR301, AR306 and AR502	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1x TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-086 (Rm 502), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 501, 503)	ASLB (63' AR)	STAIRWELL WALLS, DOORS: AR102, AR201, AR301, AR306 and AR401	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AR-09-086 (Rm 502), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 406)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-09-087 (Rm 106A, 107A), via: WALL, BLOCK WALL, PENETRATION SEALS, WT DOOR: AR112	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-09-076 (Rm 103A, 103B, 103F)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-087 (Rm 106A), via: ROOF, PENETRATION SEALS	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-24-094 (Rm 204A, 206A)	LDLB (24' AR) Internal flooding	(NONE AVAILABLE)	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Flood</u> : Berm all openings to \geq elev 24'6"
2-AR-09-087 (Rm 107A), via: ROOF, PENETRATION SEALS	CVCS Train A (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A (T/S 3/4.7.10)	2-AR-24-094 (Rm 204A, 206A)	LDLB (24' AR) Internal missiles Internal flooding Note: includes hazards from 2-AR-09-087 to 2-AR-24-094	ROOF or FLOOR, PENETRATION SEALS of CVCS pipe chase at elev 20'	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Missiles</u> : Secure charging pumps (S21208MP190, 191, 192) <u>Flood</u> : Berm all openings to \geq elev 24'6"
2-AR-09-088 (Rm 106B, 107B), via: WALL, BLOCK WALL, PENETRATION SEALS, WT DOOR: AR111	CVCS Train A or B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10)	2-AR-09-076 (Rm 103A, 103F)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-088 (Rm 106B), via: ROOF, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10)	2-AR-24-094 (Rm 206A) 2-AR-24-100 (Rm 209A)	LDLB (24' AR) Internal flooding	ROOF or FLOOR, PENETRATION SEALS of CVCS pipe chase at elev 20'	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Flood</u> : Berm all openings to \geq elev 24'6"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-088 (Rm 107B), via: WALL, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10)	2-AR-09-087 (Rm 107A)	Internal missiles	(NONE AVAILABLE)	Secure charging pumps (S21208MP190, 191, 192)
2-AR-09-088 (Rm 107B), via: ROOF, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10)	2-AR-24-94 (Rm 206A) 2-AR-24-100 (Rm 209A)	LDLB (24' AR) Internal missiles Internal flooding Note: includes hazards from 2-AR-09-088 to 2-AR-24-94 and -100	ROOF or FLOOR, PENETRATION SEALS of CVCS pipe chase at elev 20'	<u>LDLB</u> : Secure letdown (eg. close 2HV9267) <u>Missiles</u> : Secure charging pumps (S21208MU190, 191, 192) <u>Flood</u> : Berm all openings to \geq elev 24'6"
2-AR-09-089 (Rm 106C, 107C), via: WALL, BLOCK WALL, PENETRATION SEALS, WT DOOR: AR110	CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train B (T/S 3/4.7.10)	2-AR-09-076 (Rm 103A, 103C, 103F)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-09-089 (Rm 106C), via: ROOF, PENETRATION SEALS	CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train B (T/S 3/4.7.10)	2-AR-24-094 (Rm 203B, 206B, 211A, 212A)	LDLE (24' AR) Internal flooding	(NONE AVAILABLE)	<u>LDLE</u> : Secure letdown on both units (eg. close 2HV9267, 3HV9267) <u>Flood</u> : Berm all openings to \geq elev 24'6"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-089 (Rm 107C), via: ROOF, PENETRATION SEALS	CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train B (T/S 3/4.7.10)	2-AR-24-094 (Rm 203B, 206B, 211A)	LDLB (24' AR) Internal missiles Internal flooding Note: includes hazards from 2- AR-09-089 to 2- AR-24-094	ROOF or FLOOR, PENETRATION SEALS of CVCS pipe chase at elev 20'	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Missiles</u> : Secure charging pumps (S21208MU190, 191, 192) <u>Flood</u> : Berm all openings to \geq elev 24'6"
2-AR-09-090 (Rm 221), via: WALL, PENETRATION SEALS, DOOR: elevator	(2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A, 203C, 206C, 220)	LDLB (24' AR)	ELEVATOR WALLS, DOORS: Close elevator doors on all other elevations	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
2-AR-09-090 (Rm 420), via: WALL, PENETRATION SEALS, DOOR: elevator	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 409, 411)	ASLB (50' AR)	ELEVATOR WALLS, DOORS: Close elevator doors on all other elevations	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-09-090 (Rm 526), via: WALL, PENETRATION SEALS, DOOR: elevator	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas)	2-AR-63-116 (Rm 501, 510)	ASLB (63' AR)	ELEVATOR WALLS, DOORS: Close elevator doors on all other elevations	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380
2-AR-24-094 (Rm: all), via: ROOF, PENETRATION SEALS, HATCH: roof, next to elevator		2-AR-37-102A	See applicable entries for area 2-AR-37-102A		
2-AR-24-094 (Letdown PE area), via: ROOF, PENETRATION SEALS	CVCS Train A/B (T/S 3.0.3)	2-PE-30-002D (Rm 209)	See applicable entries for area 2-PE-30-002D		
2-AR-24-094 (Rm 203A), via: WALLS, PENETRATION SEALS, BLOCK WALLS (2)	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10) (2-AR-24, all areas) T/S 3.0.3	2-AR-24-100 (Rm 209A)	LDLB (24' AR) Note: Barrier required for mechanical interactions, not EQ	(NONE AVAILABLE)	Secure letdown (eg. close 2HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-094 (Rm 203B, 206B, 211A, 212A), via: FLOOR, PENETRATION SEALS		2-AR-09-089 (Rm 106C, 107C)	See applicable entries for area 2-AR-09-089		
2-AR-24-094 (Rm 204A, 206A), via: FLOOR, PENETRATION SEALS		2-AR-09-087 (Rm 106A, 107A)	See applicable entries for area 2-AR-09-087		
2-AR-24-094 (Rm 206D), via: WALL, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) HVAC Train A/B (T/S 3/4.7.10)	2-AR-09-082 (Rm 120A, 120B)	LOCA shine (T075) LOCA shine (T076) LDLB (24' AR) ASLB (9' AR) Note: includes hazards from area 2-AR-24-094 to area 2-AR-09-082	(NONE AVAILABLE)	<u>LOCA</u> : (NONE AVAILABLE) <u>LDLB</u> : Secure letdown in both units (eg. close 2HV9267 and 3HV9267) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-24-098 (Rm 205A), via: WALL, PENETRATION SEALS, DOOR: AR204	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 204A, 206A, 206D)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-098 (Rm 205A), via: WALL, PENETRATION SEALS, DOOR: AR402	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 402, 404A)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-24-098 (Rm 205A), via: ROOF, PENETRATION SEALS	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 504A)	ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AR-24-098 (Rm 205A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-24-098 (Rm 340A), via: WALL, PENETRATION SEALS, DOOR: AR402	CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 402, 404A, 412)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-24-098 (Rm 340A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-30-002C (Rm 210)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-098 (Rm 340A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-24-099 (Rm 222A), via: WALL, PENETRATION SEALS, DOOR: AR205	Elec Train A (T/S 3/4.8.3) (2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 204A)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-099 (Rm 222A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train A (T/S 3/4.8.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-09-002A (Rm 110)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-24-099 (Rm 344A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train A (T/S 3/4.8.3) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-30-002C (Rm 211)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-099 (Rm 421A), via: WALL, PENETRATION SEALS, DOOR: AR407	<p>Elec Train A (T/S 3/4.8.3)</p> <p>(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3</p>	2-AR-50-111A (Rm 402)	ALSB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-24-099 (Rm 421A), via: WALL, PENETRATION SEALS	<p><u>Mode 1-4:</u> Elec Train A (T/S 3/4.8.3)</p> <p>(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3</p>	2-PE-45-003A (Rm 306)	<p><u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) Internal missiles</p>	(NONE AVAILABLE)	(NONE AVAILABLE)
	<p><u>Mode 5/6/Defuel:</u> Elec Train A (T/S 3/4.8.3)</p> <p>(2-AR-37, all areas) T/S: See keynotes</p>		<p><u>Mode 5/6/Defuel:</u> Internal missiles</p>	(NONE AVAILABLE)	Secure fan unit S21502ME361

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-24-100 (Rm 209A), via: FLOOR, PENETRATION SEALS	Elec Train B (T/S 3/4.8.3) HVAC Train B (T/S 3/4.7.10)	2-AR-09-088 (Rm 107B)	See applicable entries for area 2-AR-09-088		
2-AR-24-102B (Rm 215), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) (2-AC-30, all areas) (2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) T/S 3.0.3	2-AR-09-082 (Rm 120B)	LOCA shine (T076) ASLB (9' AR)	FLOOR, PENETRATION SEALS, from 2-AR- 24-102B (Rm 215) to: 2-AR-09-076 (Rm 103M, 107N, 107Q, 118, 119A, 119B), DOOR AR318 (Rm 309A), WALL, PENETRATION SEALS from 2-AR- 24-102B (Rm 215) to: 2-AC-09-005 (Rm 111A), 2-AC- 30-020A	<u>LOCA</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-24-102B (Rm 215), via: WALL, PENETRATION SEALS	(2-AC-09, all areas) (2-AC-30, all areas) (2-AR-09, all areas) (2-AR-37, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	FLOOR, PENETRATION SEALS, from 2-AR- 24-102B (Rm 215) to: 2-AR-09-076 (Rm 103M, 107N, 107Q, 118, 119A, 119B), DOOR AR318 (Rm 309A), WALL, PENETRATION SEALS from 2-AR- 24-102B (Rm 215) to: 2-AC-09-005 (Rm 111A), 2-AC- 30-020A	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-37-102A (Rm: all), via: FLOOR, PENETRATION SEALS, HATCH: roof, next to elevator	RPS Train A/B/C/D (T/S 3/4.3.1) CVCS Train A/B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-37, all areas) T/S 3.0.3	2-AR-24-094	LDLB (24' AR) Internal flood Note: includes hazards from 2- AR-37-102A to 2- AR-24-094	(NONE AVAILABLE)	<u>LDLB</u> : Secure letdown on both units (eg. close 2HV9267 and 3HV9267) <u>Flood</u> : Berm all openings to \geq elev 37'4"
2-AR-37-102A (Rm: all), via: ROOF, PENETRATION SEALS, HATCH: roof, next to elevator	RPS Train A/B/C/D (T/S 3/4.3.1) CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-37, all areas) T/S 3.0.3	2-AR-50-111A (Rm: all)	ASLB (50' AR) Internal flood	(NONE AVAILABLE)	<u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood</u> : Berm all openings to \geq elev 50'5"
2-AR-37-102A (Rm 308A, 308B), via: FLOOR, PENETRATION SEALS, HATCH: floor (2)	RPS Train A/B/C/D (T/S 3/4.3.1) CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-37, all areas) T/S 3.0.3	2-AR-09-082 (Rm 120A, 120B)	LOCA shine (T075) LOCA shine (T076) ASLB (9' AR)	(NONE AVAILABLE)	<u>LOCA</u> : (NONE AVAILABLE) <u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-37-102A (Rm 308A), via: WALL, PENETRATION SEALS	Mode 1-4: RPS Train A/B/C/D (T/S 3/4.3.1) CVCS Train B (T/S 3/4.1.2) (T/S 3/4.5.2) (2-AR-37, all areas) T/S 3.0.3	2-PE-30-002C (Rm 210)	Mode 1-4: LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: N/A		Mode 5/6/Defuel: (none)	(none required)	(none required)
2-AR-37-102A (Rm 308D), via: WALL, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	3-PE-30-002C (Rm 110)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-37-105 (Rm 345A), via: FLOOR, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-09-082 (Rm 120A)	LOCA shine (T075) ASLB (9' AR)	(NONE AVAILABLE)	LOCA: (NONE AVAILABLE) ASLB: Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-37-105 (Rm 345A), via: FLOOR, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-37-105 (Rm 345A), via: ROOF, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-50-111A (Rm 404A)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-37-105 (Rm 345A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-37, all areas) T/S 3.0.3	2-PE-30-002C (Rm 210)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NCNE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-37-105 (Rm 345A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-AR-37, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) Internal flooding	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> (2-AR-37, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev 45'1"
2-AR-37-108 (Rm 341A), via: FLOOR, PENETRATION SEALS	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	WALL, PENETRATION SEALS, DOORS (AR314, AR406) from 2-AR-37-108 to: 2-AR-37-102A, 2-AR-50-111A ROOF, PENETRATION SEALS from 2-AR-37-108 to 2-AR-63-116	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-37-108 (Rm 341A), via: WALL, PENETRATION SEALS, DOOR: AR406	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 406A, 407A)	ASLB (50' AR)	WALL, PENETRATION SEALS, DOOR (AR314) from 2-AR-37-108 to: 2-AR-37-102A, 2-AR-50-111A ROOF, PENETRATION SEALS from 2-AR-37-108 to 2-AR-63-116	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-37-108 (Rm 341A), via: ROOF, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (pipe chase)	ASLB (63' AR)	WALLS, FLOOR, PENETRATION SEALS, DOORS (AR314, AR406) from 2-AR-37-108 to: 2-AR-24-094, 2-AR-37-102A, 3-AR-50-111A	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AR-50-111A (Rm 412), via: WALLS, PENETRATION SEALS, DOOR: AR409	(2-AR-37, all areas) T/S 3.0.3	2-AR-50-111A (Rm 409, 411, 414, 417)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-50-111A 2-AR-50-111B via: ROOF, PENETRATION SEALS, HATCH: roof, next to elevator		2-AR-63-116	See applicable entries for area 2-AR-63-116		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-50-111A (Rm 404A) 2-AR-50-111B (Rm 405A), via: WALL, PENETRATION SEALS	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	See applicable entries for area 2-PE-45-003A		
2-AR-50-111A (Rm 404B) 2-AR-50-111B (Rm 405B), via: WALL, PENETRATION SEALS	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-AR-63-116 (Rm: all), via: FLOOR, PENETRATION SEALS, HATCH: next to elevator	Elec Train B (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A 2-AR-50-111B	ASLB (50' AR) ASLB (63' AR) Internal flooding NOTE: Includes hazards from area 2-AR-63-116 to area 2-AR-50-111A and -111B	(NONE AVAILABLE)	<u>ASLB</u> : Secure aux steam into radwaste bldg (eg. close SA1312MU060) <u>Flood</u> : Berm all openings to \geq elev 63'9"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-63-116 (Rm 501), via: WALL, PENETRATION SEALS, DOOR: AR501	<u>Mode 1-4:</u> Elec Train B (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 408)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) ASLB (63' AR)	(NONE AVAILABLE)	<u>LOCA:</u> Door: Post watch to close door at ALERT; Other: (NONE AVAILABLE) <u>ASLB</u> Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU380, MU378)
	<u>Mode 5/6/Defuel:</u> Elec Train B (T/S 3/4.8.3) (2-AR-63, all areas) T/S: See keynotes		<u>Mode 5/6/Defuel:</u> ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU380, MU378)
2-AR-63-116 (Rm 501), via: WALL, PENETRATION SEALS, DOOR: AR504	Elec Train B (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	3-PE-63-003B (Rm 408)	LOCA airb (PE3) LOCA shine (PE3) ASLB (63' AR)	(NONE AVAILABLE)	<u>LOCA:</u> Door: Post watch to close door at ALERT; Other: (NONE AVAILABLE) <u>ASLB:</u> Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU380, MU378)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-63-119 (Rm 506A), via: FLOOR, PENETRATION SEALS	Elec Train A/B (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 404A) 2-AR-50-111B (Rm 405A)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-AR-63-119 (Rm 506A), via: WALL, PENETRATION SEALS, DOOR: AR509	Elec Train A/B (T/S 3/4.8.3)	2-AR-63-116 (Rm 503, 504A, 509A)	ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU380, MU378)
2-AR-63-119 (Rm 506A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train A/B (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 406)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-AR-63-120 (Rm 527A), via: WALL, PENETRATION SEALS	Elec Train A (T/S 3/4.8.3)	2-AR-63-116 (Rm 503)	ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-63-120 (Rm 527A), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train A (T/S 3/4.8.3) (2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 406)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none required)	(none required)	(none required)
2-AR-63-120 (Rm 527A), via: WALL, PENETRATION SEALS	elec Train A (T/S 3/4.8.3)	2-AR-63-116 (Rm 501, 503, 523)	ASLB (63' AR)	FLOOR, PENETRATION SEALS from 2-AR-63-120 to: 2-AR-24-099	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AR-68-178A (Rm 631), via: WALL, PENETRATION SEALS	(2-PE-63, all areas) (2-FH-17, all areas) T/S 3.0.3	2-AR-63-116 (Rm 501)	ASLB (63' AR)	WALL, PENETRATION SEALS, DOOR: C2406 from 2-AR-68-178A to: 2-PE-63-003B, 2-FH-17-123	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
2-AR-68-178A (Rm 631), via: WALL, PENETRATION SEALS, DOOR: C2406	<u>Mode 1-4:</u> (2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 409)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	<u>Door:</u> Post watch to close door at ALERT <u>Other:</u> (NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-AR-68-178A (Rm 631), via: WALL, PENETRATION SEALS, DOOR: C3406	(2-AR-63, all areas) T/S 3.0.3	3-PE-63-003B (Rm 409)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	<u>Door</u> : Post watch to close door at ALERT <u>Other</u> : (NONE AVAILABLE)
3-AR-09-075 (Rm 127B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 203A)	LDLB (24' AR)	WALL, PENETRATION SEALS from 3-AR-09-075 (Rm 127B) to 2-AR-09-076 (Rm 103A), 2-AR-37-102A (Rm 320), ROOF, PENETRATION SEALS from 3-AR-09-075 (Rm 127B) to 2-AR-68-178A (Rm 628, 629, 630, 631)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
3-AR-09-075 (Rm 127B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 411)	ASLB (50' AR)	WALL, PENETRATION SEALS from 3-AR-09-075 (Rm 127B) to 2-AR-09-076 (Rm 103A), 2-AR-37-102A (Rm 320), ROOF, PENETRATION SEALS from 3-AR-09-075 (Rm 127B) to 2-AR-68-178A (Rm 628, 629, 630, 631)	Secure aux steam in both units (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-09-075 (Rm 127B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-09-002A (Rm 113)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-09-075 (Rm 127B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-30-002C (Rm 211)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4) Internal missiles	<u>LOCA/LDLB/SDCB:</u> (NONE AVAILABLE) <u>Missiles:</u> none required (no Unit 2 systems in potential strike zones)	<u>LOCA/LDLB/SDCB:</u> (NONE AVAILABLE) <u>Missiles:</u> none required
3-AR-09-075 (Rm 127B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-09-078A (Rm 105C), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-09-078B (Rm 105D), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-24-095 (Rm 222B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCF airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-24-095 (Rm 222B, 344B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-30-002C (Rm 211)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-24-095 (Rm 421B), via: WALL, PENETRATION SEALS, DOOR: AR408	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A	ASLB (50' AR)	WALLS, PENETRATION SEALS from 3-AR-24-095 to: 2-AR-09-077, 2-AR-37-102A, 2-AR-24-094, 2-AR-63-116 DOORS: AR508, AR310, AR206	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
3-AR-24-095 (Rm 344B, 421B), via: WALL, PENETRATION SEALS	(2-AR-09, all areas) (2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-24-096 (Rm 205B), via: WALL, PENETRATION SEALS	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
3-AR-24-096 (Rm 205B), via: WALL, PENETRATION SEALS, DOOR: AR404	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 404B, 418)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-24-096 (Rm 205B), via: ROOF, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 504B)	ASLB (63' AR)	(NONE AVAILABLE)	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, Mu380)
3-AR-24-096 (Rm 205B), via: WALL, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-09-002A (Rm 110)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-24-096 (Rm 205B, 340B), via: WALL, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-30-002C (Rm 210, 211)	LOCA airb (PE3) LOCA shine (PE3) LDLB (PE3) SDCB (PE3-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-24-096 (Rm 340B), via: WALL, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	3-PE-45-003A (Rm 306)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-37-104 (Rm 345B), via: FLOOR, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
3-AR-37-104 (Rm 345B), via: ROOF, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-50-111A (Rm 404B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
3-AR-37-110 (Rm 341B), via: FLOOR, PENETRATION SEALS	(2-AR-37, all areas) (2-AR-50, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-24-094 (Rm 206D)	LDLB (24' AR)	(NONE AVAILABLE)	Secure letdown in both units (eg. close 2HV9267 and 3HV9267)
3-AR-37-110 (Rm 341B), via: WALL, PENETRATION SEALS, DOOR: AR405	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 406B, 407B)	ASLB (50' AR)	WALL, PENETRATION SEALS, DOOR (AR315) from 3-AR-37-110 to: 2-AR-37-102A, 2-AR-50-111A, ROOF, PENETRATION SEALS from 3-AR-37-110 to 2-AR-63-116,	Secure aux steam into radwaste bldg (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-37-110 (Rm 341B), via: ROOF, PENETRATION SEALS	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (pipe chase)	ASLB (63' AR)	WALLS, FLOOR, PENETRATION SEALS, DOORS (AR315, AR405) from 3-AR- 37-110 to: 2-AR- 24-094, 2-AR-37- 102A, 2-AR-50-111A	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
3-AR-63-117 (Rm 523), via: WALL, PENETRATION SEALS	(2-AR-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 406)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)
3-AR-63-117 (Rm 527B), via: WALL, PENETRATION SEALS, DOOR: AR508	(2-AR-24, all areas) (2-AR-37, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 523)	ASLB (63' AR)	WALLS, FLOOR, PENETRATION SEALS from 3-AR-63-117 to: 2-AR-09-077, 3-AR-24-095	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)
3-AR-63-118 (Rm 506B), via: FLOOR, PENETRATON SEALS	(2-AR-63, all areas) T/S 3.0.3	2-AR-50-111A (Rm 404B) 2-AR-50-111B (Rm 405B)	ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
3-AR-63-118 (Rm 506B), via: WALL, PENETRATON SEALS, DOOR: AR510	(2-AC-70, all areas) (2-AR-50, all areas) T/S 3.0.3	2-AR-63-116 (Rm 504B)	ASLB (63' AR)	WALLS, FLOOR, PENETRATION SEALS from 3-AR-63-117 to: 2-AC-70-064A, 2-AR-50-111A/B	Secure aux steam to 63' AR (eg. close SA1312MU006, MU033, MU112, MU113, MU195, MU378, MU380)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-AR-63-118 (Rm 506B), via: FLOOR, PENETRATON SEALS	(2-AR-63, all areas) T/S 3.0.3	3-PE-63-003B (Rm 406)	LOCA airb (PE3) LOCA shine (PE3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-CT-(-2)-142B (Lower electrical tunnel), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) SDCB (SE2-Mode4) Internal missiles	(NONE AVAILABLE)	<u>LOCA:</u> None required based on cable qual <u>SDCB:</u> NONE AVAILABLE <u>Missiles:</u> Secure fan unit S21507ME412
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21507ME412
2-CT-(-2)-142B (Lower electrical tunnel), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-(-15)-137A (Rm 002)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21507ME413
2-CT-(-2)-142B (electrical tunnel), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TK-(-2)-161B (AFW piping tunnel)	<u>Mode 1-4:</u> MSLB (TK2)	(NONE AVAILABLE)	Secure main steam to AFW pump room (eg. close 2HV8200 and 2HV8201)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-CT-(-2)-142B (electrical tunnel), via: WALLS, ROOF PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-YD-30-200A (yard area)	Internal missiles	(NONE AVAILABLE)	Secure fan unit S21506MA386

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-CT-(-2)-142B (electrical tunnel), via: WALLS, ROOF, LOUVERS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-YD-30-200A (elec tunnel roof)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21506MA384
2-CT-16-142C (Rm 104), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-15, all areas) (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) (2-CT-(-2), common) T/S 3.0.3	2-PE-09-002A (Rm 111)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-CT-16-142C (Rm 204), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-15, all areas) (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) (2-CT-(-2), common) T/S 3.0.3	2-PE-30-002C (Rm 214)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-CT-16-142C (Rm 304), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-15, all areas) (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) (2-CT-(-2), common) T/S 3.0.3	2-PE-45-002C (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-CT-16-142C (Rm 404), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-15, all areas) (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) (2-CT-(-2), common) T/S 3.0.3	2-PE-63-003B (Rm 411)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-15-124 (Rm 101), via: WALLS, PENETRATION SEALS, DOOR: FH2101	<u>Mode 1-4:</u> (2-FH-17, all areas) (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) T/S 3.0.3	2-PE-09-002A (Rm 113)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-17-122 (Rm 107), via: ROOF, PENETRATION SEALS, HATCH: roof	SFPC Train A/B (admin control) FHIS Train A/B (T/S 3/4.9.12) Elec Train A/B (T/S 3.0.3) (2-FH-17, all areas) T/S 3.0.3	2-FH-30-126 (Rm 209)	Internal flooding	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-17-122 (Rm 107), via: WALL, PENETRATION SEALS, DOOR: FH2103	<u>Mode 1-4:</u> SFPC Train A/B (admin control) FHIS Train A/B (T/S 3/4.9.12) Elec Train A/B (T/S 3.0.3) (2-FH-17, all areas) T/S 3.0.3	2-PE-09-002A (Rm 113)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-17-123 (Rm 105, 106), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-17, all areas) T/S 3.0.3	2-PE-09-002A (Rm 113)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-17-123 (Rm 206, 207, 208, 307), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train B (T/S 3/4.8.3)	2-PE-30-002C (Rm 214)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Elec Train B (T/S 3/4.8.3)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21501MA427

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-17-123 (Rm 306, 307, 308)	FHIS boundary (T/S 3/4.9.12)	ALL OTHER AREAS	(none)	(none required)	(none required) See SO23-I-8.233 for FHIS boundary requirements
2-FH-17-123 (Rm 306, 307, 308), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Elec Train B (T/S 3/4.8.3)	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Elec Train B (T/S 3/4.8.3)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan units S21502ME361, 363
2-FH-17-123 (Rm 406-409), via: WALL, PENETRATION SEALS, DOOR: FH2404	<u>Mode 1-4:</u> Elec Train B (T/S 3/4.8.3) (2-FH-17, all areas) T/S 3.0.3	2-PE-63-003B (Rm 409, 411)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-17-123 (Rm 406-409)	FHIS boundary (T/S 3/4.9.12)	ALL OTHER AREAS	(none)	(none required)	See SO23-I-8.233 for FHIS boundary requirements

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-30-126 (Rm 209), via: WALL, PENETRATION SEALS, DOOR: FH2207	<u>Mode 1-4:</u> SFPC Train A/B (admin control) (2-FH-30, all areas) T/S 3.0.3	2-PE-30-002C (Rm 212)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-30-128 (Rm 203), via: WALL, PENETRATION SEALS, DOOR: FH2203	<u>Mode 1-4:</u> (2-FH-30, all areas) T/S 3.0.3	2-PE-30-002C (Rm 214)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none required)	(none required)	(none required)
2-FH-30-129 (Rm 305), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) T/S 3.0.3	2-PE-30-002C (Rm 214)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-30-129 (Rm 305), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-30-129 (Rm 405), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> (2-FH-30, all areas) (2-FH-45, all areas) (2-FH-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 411)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-45-130 (Rm 309), via: WALL, PENETRATION SEALS, DOOR: FH2304	<u>Mode 1-4:</u> FHIS Train A (T/S 3/4.9.12) Elec Train A (T/S 3/4.8.3) (2-FH-45, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-FH-45-130 (Rm 309)	FHIS boundary (T/S 3/4.9.12)	ALL OTHER AREAS	(none)	(none required)	See SO23-I-8.233 for FHIS boundary requirements
2-FH-45-131 (Rm 303), via: WALLS, PENETRATION SEALS, DOOR: FH2303	<u>Mode 1-4:</u> (2-FH-45, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-45-132 (Rm 301, 302), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> FHIS Train B (T/S 3/4.9.12) Elec Train B (T/S 3/4.8.3) (2-FH-45, all areas) T/S 3.0.3	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-FH-63-134 (Rm 403), via: WALLS, PENETRATION SEALS, DOOR: FH2403	<u>Mode 1-4:</u> (2-FH-63, all areas) T/S 3.0.3	2-PE-63-003B (Rm 411)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-PE-(-18)-002B (Rm 111), , via: WALL, PENETRATION SEALS, WT DOOR: (at gate between area 002A (Rm 110) and 002B (Rm 111)) Not installed - alt barrier or comp measure required at all times	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) <u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train A/B (T/S 3/4.1.2)	2-PE-09-002A (Rm 110)	Internal flooding (ASLB - 50'AR)	Disconnect aux boiler	Either: 1) Berm all openings from area 002A (Rm 110) to area 002B (Rm 111) to \geq elev 10'0", or 2) Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-PE-(-18)-002B (Rm 030), via: ROOF, PENETRATION SEALS, HATCH		2-SE-(-5)-135A (Rm 010)	See applicable entries for area 2-SE-(-5)-135A		
2-PE-(-18)-002B (Rm 031), via: ROOF, PENETRATION SEALS, HATCH		2-SE-(-5)-135A (Rm 009)	See applicable entries for area 2-SE-(-5)-135A		
2-PE-(-18)-002B (Rm 111), via: ROOF, PENETRATION SEALS exclusive of grating and stairwells	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002C (Rm 207, 208, 211)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal flooding Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings except grating and stairwells to \geq elev 30'7" <u>Missiles:</u> Secure HPSI pumps S21204MP017, 018, 019
2-PE-(-18)-002B (Rm 111), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002D (Rm 209)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal flooding Internal Missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings (except grating and stairwells) to $>$ elev 30'7" <u>Missiles:</u> Secure chg pumps S21208MP190, 191, 192 and HPSI pumps S21204MP017, 018, 019
2-PE-09-002A (Rm 110), via: ROOF, PENETRATION SEAL	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002D (Rm 209)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal flooding Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings to \geq elev 30'7" <u>Missiles:</u> Secure charging pumps S21204MP190, 191, 192
2-PE-(-18)-002B (Rm 111), via: WALL, PENETRATION SEALS, WT DOOR: C2103	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-08-148G (Rm 027 (SE2), 112 (PE2))	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) ASLB (corridor) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S: See keynotes)		<u>Mode 5/6/Defuel:</u> ASLB (corridor)	(NONE AVAILABLE)	Secure aux steam to radwaste bldg (eg. close SAI312MU060)
2-PE-09-002A (Rm 110, 113), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002C (Rm 211)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal flooding Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings except grating and stairwells to \geq elev 30'7" <u>Missiles:</u> Secure fan units S21502ME360, 362

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-PE-09-002A (Rm 110), via: WALL, PENETRATION SEALS, WT DOOR: C2102	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-08-148G (Rm 112)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) MSLB (TB2) FWLB (TB2) ASLB (corridor)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> ASLB (corridor)	(NONE AVAILABLE)	Secure aux steam to radwaste bldg (eg. close SA1312MU060)
2-PE-09-002A (Rm 113), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002C (Rm 214)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal flooding Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S 3.0.3)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings to ≥ elev 30'7" <u>Missiles:</u> Secure HPSI pumps S21204MP017, 018, 019
2-PE-30-002C Rm 207, 214), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal flooding Internal missiles NOTE: Includes hazards from area 2-PE-30-002C to 2-PE-45-003A	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings to ≥ elev 45'1" <u>Missiles:</u> Secure fan units S21501MA427, S21501ME360, 362, and HPSI pumps S21204MP017, 018, 019
2-PE-30-002C (Rm 207), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-30-145A (South MSIV area)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2) MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-PE-30-002C (Rm 208), via: WALLS, PENETRATION SEALS	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defueled:</u> (T/S:See keynotes)	2-PE-30-002C (Rm 207)	Internal missiles	(NONE AVAILABLE)	Secure HPSI pump S21204MP017, 018, 019
2-PE-30-002C (Rm 208, 210, 211), via:	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002D (Rm 209)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal missiles	(NONE AVAILABLE)	(NONE AVAILABLE)

WALLS,
PENETRATION SEALS

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles		Secure charging pumps S21208MP190, 191, 192 and HPSI pumps S21204MP017, 018, 019
2-PE-30-002C (Rm 208, 210, 211, 212, 213), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal missiles Internal flooding <u>Note:</u> Includes hazards from area 2-PE-30-002C to area 2-PE-45-003A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal flooding	(NONE AVAILABLE)	<u>Missiles:</u> Secure fan units S21502ME360, ME361, ME362, ME363 <u>Flooding:</u> Berm all openings to ≥ elev 45'1"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-PE-30-002D (Rm 209), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-AR-24-094 (Letdown PE area)	<u>Mode 1-4:</u> LOCA shine (PE2) Internal missiles NOTE 1: Includes hazards from area 2-PE-30-002D to area 2-AR-24-094 NOTE 2: Barrier does not perform a LDLB function	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure charging and HPSI pumps (S21208MP190, 191, 192; and S21204MP017, 018, 019)
2-PE-30-002D (Rm 209), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-45-003A (Rm 306)	<u>Mode 1-4:</u> LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal missiles Internal flooding <u>Note:</u> Includes hazards from area 2-PE-30-002D to area 2-PE-45-003A	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal flooding	(NONE AVAILABLE)	<u>Missiles:</u> Secure charging pumps S21204MP190, 191, 192 and HPSI pumps S21208MP017, 018, 019 <u>Flooding:</u> Berm all openings to \geq elev 45'1"
2-PE-45-003A (Rm 306), via: WALL, PENETRATION SEALS	(2-AR-37, all areas) T/S 3.0.3	2-AR-37-105 (Rm 345A)	See applicable entries for area 2-AR-37-105		
2-PE-45-003A (Rm 306), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-AR-50-111A 2-AR-50-111B (Rm 404A, 405A)	<u>Mode 1-4:</u> LOCA shine (PE2) LOCA airb (PE2) ASLB (50' AR)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> ASLB (50' AR)	(NONE AVAILABLE)	Secure aux steam into radwaste bldg (eg. close SA1312MU060)
2-PE-45-003A (Rm 306), via: FLOOR, PENETRATION SEALS	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S:See keynotes)	2-PE-30-002C (Rm 207-214)	See applicable entries for area 2-PE-30-002C		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-PE-45-003A (Rm 306), via: FLOOR, PENETRATION SEALS	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S:See keynotes)	2-PE-30-002D (Rm 209)	See applicable entries for area 2-PE-30-002D		
2-PE-45-003A (Rm 306), via: ROOF, PENETRATION SEALS, HATCH: roof	Various Train A/B (T/S 3.0.3)	2-PE-63-003B (Rm 406, 407, 408, 409)	Internal flooding Internal missiles <u>Note:</u> Includes hazards from area 2-PE-45-003A to area 2-PE-63-003B	(NONE AVAILABLE)	<u>Flooding:</u> Berm all openings to \geq elev 63'3" <u>Missiles:</u> Hatch: Secure fan S21502ME361; Other: Secure fans S21502ME361 and 363
2-PE-45-003A (Rm 306), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-30-145A (South MSIV area)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-PE-45-003A (Rm 306), via: WALL, PENETRATION SEALS, DOOR: C2302	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114)	<u>Mode 1 4:</u> LOCA airb (PE2) LOCA shine (PE2) MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-PE-63-003B (Rm 408), via: WALL, PENETRATION SEALS, DOOR: AR501	Various Train A/B (T/S 3.0.3)	2-AR-63-116 (Rm 501, 503)	See applicable entries for area 2-AR-63-116		
2-PE-63-003B (Rm 406, 407, 409), via: FLOOR, PENETRATION SEALS, HATCH: floor	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S:See keynotes)	2-PE-45-003A (Rm 306)	See applicable entries for area 2-PE-45-003A		
2-PE-63-003B (Rm 406), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-PE-63-003B (Rm 406, 409, 411), via: ROOF, PENETRATION SEALS, HATCH: roof	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S:See keynotes)	2-YD-30-200A (95' PE roof)	Internal missiles	(NONE AVAILABLE)	<u>Hatch:</u> Secure fan S21504MA360 <u>Other:</u> Secure fans S21504MA359 and 360

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-136 (Rm 001, 017), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)	2-SE-(-15)-137A (Rm 002)	See applicable entries for area 2-SE-(-15)-137A		
2-SE-(-15)-136 (Rm 001, 017), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)	2-SE-(-15)-137B (Rm 015)	See applicable entries for area 2-SE-(-15)-137B		
2-SE-(-15)-136 (Rm 001), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)	2-SE-(-15)-137C (Rm 005)	See applicable entries for area 2-SE-(-15)-137C		
2-SE-(-15)-136 (Rm 017), via: WALL, PENETRATION SEALS, WT DOOR: S2012		2-SE-(-15)-138 (Rm 003, 016)	See applicable entries for area 2-SE-(-15)-138		
2-SE-(-15)-136 (Rm 017), via: WALL, PENETRATION SEALS, WT DOOR: S2013		2-SE-(-15)-139 (Rm 004, 018)	See applicable entries for area 2-SE-(-15)-139		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-136 (Rm 017), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-(-15)-136 (Rm 017), via: WALL, BLOCK WALLS PENETRATION SEALS WT DOOR: S2008, S2009	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-101)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) Internal missiles See Table 1 (area 2-SE-(-15)-136) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) <u>Missiles:</u> (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards.
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles See Table 1 (area 2-SE-(-15)-136) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>Missiles:</u> Secure condensate pumps (S21305MP050, 051, 052, 053), gland steam exhaustor S21313MA138 See Table 1 for requirements applicable to other hazards.

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-136 (Rm 017), via: WALL, PENETRATION SEALS WT DOOR: S2010	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) CCW Train A/B (T/S 3.0.3) ECWS Train A/B (T/S 3/4.7.10)	2-TK-(-2)-161B (AFW piping tunnel)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) MSLB (TK2) NOTE: Includes hazards from area 2-SE-(-15)-136 to area 2-TK-(-2)-161B	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-137A (Rm 002), via: ROOF, WALL PENETRATION SEALS, WT DOOR: S2001 HATCH: roof	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train B (T/S 3/4.7.10)	2-SE-(-15)-136 (Rm 001, 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal flooding Internal missiles (NOTE: Includes hazards from area 2-SE-(-15)-137A to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA:</u> Declare WRGM 2RT7865 inoperable for accident monitoring; none required for others based on M-85109 <u>Flood:</u> Hatch: Declare HPSI S21204MP019 inoperable; Roof: NONE AVAILABLE; Walls, door: none required <u>Missiles:</u> Secure fan units S21507ME412 and ME413 (not required for door or hatch) <u>SDCB:</u> NONE AVAILABLE

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train B (T/S 3/4.1.2) ECWS Train B (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flood:</u> Hatch: Declare HPSI S21204MP019 inoperable; Roof: NONE AVAILABLE; Walls, door: none required <u>Missiles:</u> Secure fan units S21507ME412 and ME413 (not required for door or hatch)
2-SE-(-15)-137A (Rm 002), via: WALL, PENETRATION SEALS	SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train B (T/S 3/4.7.10)	2-SE-(-15)-137B (Rm 015)	See applicable entries for area 2-SE-(-15)-137B		
2-SE-(-15)-137A (Rm 002), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train B (T/S 3/4.7.10)	2-SE-(-15)-137C (Rm 005)	SDCB (SE2-Mode 4) Internal flood NOTE: barrier does not perform a LOCA function	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train B (T/S 3/4.1.2) ECWS Train B (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal flood	(NONE AVAILABLE)	(none required)
2-SE-(-15)-137B (Rm 015), via: ROOF, WALL PENETRATION SEALS, WT DOOR: S2002 HATCH: roof	<u>Mode 1-4:</u> SIS Train A or B [swing HPSI] (T/S 3/4.5.2) (T/S 3/4.5.3) ECWS Train A/B (T/S 3/4.7.10)	2-SE-(-15)-136 (Rm 001, 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal flooding Internal missiles (NOTE: Includes hazards from area 2-SE-(-15)-137B to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA:</u> Declare WRGM 2RT7865 inoperable for accident monitoring; none required for others based M-85109 <u>Flood:</u> Hatch: Declare HPSI S21204MP018 inoperable; Roof: NONE AVAILABLE; Other: none required. <u>Missiles:</u> Secure fan unit S21507ME412 (not required for door or hatch) <u>SDCB:</u> NONE AVAILABLE

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> HPSI Train A or B (T/S 3/4.1.2) ECWS Train A/B (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flood:</u> Declare HPSI S21204MP018 inoperable; Roof: NONE AVAILABLE; Other: none required. <u>Missiles:</u> Secure fan unit S21507ME412 (not required for door or hatch)
2-SE-(-15)-137B (Rm 015), via: WALL PENETRATION SEALS	<u>Mode 1-4:</u> SIS Train A or B [swing HPSI] (T/S 3/4.5.2) (T/S 3/4.5.3) ECWS Train A/B (T/S 3/4.7.10)	2-SE-(-15)-137A (Rm 002)	<u>Mode 1-4:</u> SDCB (SE2-Mode 4) Internal missiles NOTE: Barrier does not perform a LOCA function	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> HPSI Train A or B (T/S 3/4.1.2) ECWS Train A/B (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure fan unit S21507ME413

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-137C (Rm 005), via: WALL PENETRATION SEALS, WT DOOR: S2003	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train A (T/S 3/4.7.10)	2-SE-(-15)-136 (Rm 001)	<u>Mode 1-4:</u> LOCA airo (SE2) LOCA shine (SE2) Internal flooding Internal missiles SDCB (SE2-Mode 4) (NOTE: Includes hazards from area 2-SE-(-15)-137C to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA:</u> Declare WRGM 2RT7865 inoperable for accident monitoring; none required for others based on M-85109 <u>Flood:</u> None required <u>Missiles:</u> Secure fan unit S21507ME414 (not required for door) <u>SDCB:</u> NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train A (T/S 3/4.1.2) ECWS Train A (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flood:</u> None required <u>Missiles:</u> Secure fan unit S21507ME414 (not required for door)
2-SE-(-15)-137C (Rm 005), via: WALL, PENETRATION SEALS	SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train A (T/S 3/4.7.10)	2-SE-(-15)-137A (Rm 002)	See applicable entries for area 2-SE-(-15)-137A		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-137C (Rm 005), via: ROOF PENETRATION SEALS, HATCH: roof	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train A (T/S 3/4.7.10)	2-SE-08-140A (Rm 020) 2-SE-08-140B (Rm 019)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) Internal flooding Internal missiles SDCB (SE2-Mode 4) (NOTE: Includes hazards from area 2-SE-(-15)-137C to area 2-SE-08-140A	(NONE AVAILABLE)	<u>LOCA:</u> WRGM: Declare 2RT7865 inoperable for accident monitoring if barriers from 2-SE-08-140A/B (Rm 019/020) to 2-SE-(-15)-136 (Rm 017) are concurrently breached; Other: None required based on M-85109 <u>Flood:</u> Hatch: Declare HPSI S21204MP017 inoperable; Roof: NONE AVAILABLE <u>Missiles:</u> Secure fan unit S21507ME414 (not required for hatch) <u>SDCB:</u> NONE AVAILABLE

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train A (T/S 3/4.1.2) ECWS Train A (T/S 3/4.7.10)		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flood:</u> Hatch: Declare HPSI S21204MP017 inoperable; Roof: NONE AVAILABLE <u>Missiles:</u> Secure fan unit S21507ME414 (not required for hatch)
2-SE-(-15)-137C (Rm 005), via: ROOF PENETRATION SEALS	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3) ECWS Train A (T/S 3/4.7.10)	2-SE-08-141 (Rm 021)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal missiles Internal flooding NOTE: Includes hazards from area 2-SE-08-141 to area 2-SE-(-15)- 137C	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) HPSI Train A (T/S 3/4.1.2) ECWS Train A (T/S 3/4.7.10)		Internal missiles Internal flooding	(NONE AVAILABLE)	<u>Missiles:</u> Secure fan S21507ME414 <u>Flood:</u> NONE AVAILABLE

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-138 (Rm 003, 016), via: WALL, PENETRATION SEALS, WT DOOR: S2012	<u>Mode 1-4:</u> SIS Train B (T/S 3/4.5.2) (T/S 3/4.5.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal flooding (NOTE: Includes hazards from area 2-SE-(-15)-138 to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA</u> : Declare WRGM 2RT7865 inoperable for accident monitoring; none required for others based on M-85109 <u>Flood</u> : Berm all openings to \geq door sill height <u>SDCB</u> : NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	<u>Flood</u> : Berm all openings to \geq door sill height
2-SE-(-15)-138 (Rm 003, 016), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-(-15)-138 (Rm 003, 016), via: ROOF, PENETRATION SEALS, HATCH: roof	<u>Mode 1-4:</u> SIS Train B (T/S 3/4.5.2) (T/S 3/4.5.3)	2-SE-30-145A (Rm 101)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) Internal missiles Internal flooding	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal flooding	(NONE AVAILABLE)	<u>Missiles:</u> Secur. fan units S21501MA423 and S21501MA425 <u>Flood:</u> Isolate main FW lines (eg. close S21305MU024, 2HV4010, 2HV4011), or secure condensate and htr drain pumps (S21305MP050, 051, 052, 053, 058, 059)
2-SE-(-15)-138 (Rm 003, 016), via: WALL, PENETRATION SEALS, WT DOOR: S2011	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3)	2-TK-(-2)-161B (AFW piping tunnel)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) MSLB (TK2) NOTE: Includes hazards from area 2-SE-(-15)-138 to 2-TK-30-161B	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-15)-139 (Rm 004, 018), via: WALL PENETRATION SEALS, WT DOOR: S2013	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) Internal flooding SDCB (SE2-Mode 4) (NOTE: Includes hazards from area 2-SE-(-15)-139 to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA</u> : Declare WRGM 2RT7865 inoperable for accident monitoring; none required for others based on M-85109 <u>Flood</u> : Berm all openings to \geq door sill height <u>SDCB</u> : NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq door sill height
2-SE-(-15)-139 (Rm 004, 018), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-(-15)-139 (Rm 004, 018), via: ROOF, PENETRATION SEALS, HATCH: roof	<u>Mode 1-4:</u> SIS Train A/B (T/S 3.0.3) (T/S 3/4.5.3)	2-SE-30-145A (Rm 101)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) Internal missiles Internal flooding	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal flooding	(NONE AVAILABLE)	<u>Missiles:</u> Secure fan units S21501MA423 and S21501MA425 <u>Flood:</u> Isolate main FW lines (eg. close S21305MU024, 2HV4010, 2HV4011), or secure condensate and htr drain pumps (S21305MP050, 051, 052, 053, 058, 059)
2-SE-(-5)-135A (Rm 009, 014), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3)	2-TB-(-9)-148E (SWC piping tunnel)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) See Table 1 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	Block all openings in hatch H4 See Table 1 for requirements applicable to other hazards
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> See Table 1 (area 2-SE-(-5)-135A) for applicable requirements	See Table 1 for applicable requirements	See Table 1 for applicable requirements

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135A (Rm 009, 010, 011, 012, 013, 014), via: WALL, FLOOR, PENETRATION SEALS, HATCHES: floor (2)	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3)	2-PE-(-18)-2B (Rm 030, 031)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> CCW Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-(-5)-135A (Rm 012, 013, 014), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-TB-08-148G (Rm 027 (SE2))	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) ASLB (corridor)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via: T/S 1.17		<u>Mode 5/6/Defuel:</u> ASLB (corridor)	(NONE AVAILABLE)	Secure aux steam into corridor (eg. close SA1312MU060)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135A (Rm 022), via: WALL, PENETRATION SEALS WT DOOR: S2016	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) Internal flooding Internal missiles (NOTE: Includes hazards from area 2-SE-(-5)-135A to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA</u> : None required based on M-85109 <u>Flood</u> : Berm all openings to ≥ door sill height <u>Missiles</u> : Secure fan unit S21507ME412 (not required for door) <u>SDCB</u> : NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via: T/S 1.17		<u>Mode 5/6/Defuel:</u> Internal flooding Internal missiles	(NONE AVAILABLE)	<u>Flood</u> : Berm all openings to ≥ door sill height <u>Missiles</u> : Secure fan unit S21507ME412 (not required for door)
2-SE-(-5)-135A (Rm 022, 023, 025, 026), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135A (Rm 022), via: WALLS, BLOCK WALL PENETRATION SEALS, WT DOOR: S2007	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-101)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) Internal missiles See Table 1 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>MSLB/FWLB:</u> (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		See Table 1 (area 2-SE-(-5)-135A) for applicable requirements	See Table 1 for applicable requirements	See Table 1 for applicable requirements
2-SE-(-5)-135A (Rm 024, 025, 026), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-PE-(-18)-002B (Rm 111)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) LDLB (PE2) SDCB (PE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via: T/S 1.17		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135A (Rm 025, 026), via: WALLS, BLOCK WALLS PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-101)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) ASLB (TB2) Internal missiles See Table 1 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>MSLB/FWLB/ASLB:</u> (NONE AVAILABLE) <u>Missiles:</u> (NONE AVAILABLE) See Table 1 for requirements applicable to other hazards
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> ASLB (TB2) Internal missiles See Table 1 (area 2-SE-(-5)-135A) for requirements applicable to other hazards	(NONE AVAILABLE)	<u>ASLB:</u> Secure aux steam header between TB2 and TB3 (eg. close S31312MU058) <u>Missile:</u> Secure condensate pumps (S21305MP050, 051, 052, 053) and gland steam exhauster S21313MA138 See Table 1 for requirements applicable to other hazards
2-SE-(-5)-135A (Rm 024), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3)	2-SE-30-145A (Rm 102)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) Internal flooding	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via: T/S 1.17		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Isolate main FW lines (eg. close S21305MU024, 2HV4010, 2HV4011), or secure condensate and htr drain pumps (S21305MP050, 051, 052, 053, 058, 059)
2-SE-(-5)-135A (Rm 026), via: WALL, PENETRATION SEALS WT DOOR: S2017, S2018	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) SWC Train A/B (T/S 3.0.3)	2-TB-8-148G (Rm 027 (2SE))	MSLB (TB2) FWLB (TB2) ASLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> ASLB (SE2)	(NONE AVAILABLE)	Secure aux steam into SE corrdr (eg. close SA1312MU060)
2-SE-(-5)-135B (Rm 006), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3)	2-PE-(-18)-002B (Rm 031)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) SDCB (PE2-Mode 4) Note: Tortuous path credited to preclude LDLB (PE2) inter-actions at or beyond this part of tunnel	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-(-5)-135B (Rm 006), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3)	2-SE-(-15)-136 (Rm 001)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-(-5)-135B (Rm 006), via: ROOF, WALL, PENETRATION SEALS, HATCH: roof WT DOOR: S2006	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3) <u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-SE-(-5)-135A (Rm 009, 022)	Internal flooding	(NONE AVAILABLE)	<u>Door, wall:</u> none required <u>Roof, hatch:</u> NONE AVAILABLE for this pump. Door <u>must</u> be open whenever hatch is open, or CCW pump(s) in adjacent room(s) also inop.
2-SE-(-5)-135B (Rm 006), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3)	2-TB-(-9)-148E (SWC piping tunnel)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) See Table 1 (area 2-SE-(-5)-135B) for requirements applicable to other hazards	(NONE AVAILABLE)	Block all openings in hatch H4

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> See Table 1 (area 2-SE-(-5)-135B for applicable requirements	See Table 1 for applicable requirements	See Table 1 for applicable requirements
2-SE-(-5)-135C (Rm 007), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B T/S 3.0.3	2-PE-(-18)-002B (Rm 030)	<u>Mode 1-4:</u> LOCA airb (PE2) LOCA shine (PE2) SDCB (PE2-Mode 4) Note: Tortuous path credited to preclude LDLB (PE2) inter-actions at or beyond this part of tunnel	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-(-5)-135C (Rm 007), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3)	2-SE-(-15)-137C (Rm 005)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-(-5)-135C (Rm 007), via: ROOF, WALL, PENETRATION SEALS, HATCH: roof WT DOOR: S2005	<u>Mode 1-4:</u> CCW Train A/B (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-SE-(-5)-135A (Rm 010, 023)	Internal flooding	(NONE AVAILABLE)	<u>Door, wall:</u> none required <u>Roof, hatch:</u> NONE AVAILABLE for this pump. Door <u>must</u> be open whenever hatch is open, or CCW pump(s) in adjacent room(s) also inop.
2-SE-(-5)-135D (Rm 008), via: ROOF, WALL, PENETRATION SEALS, HATCH: roof WT DOOR: S2004	<u>Mode 1-4:</u> CCW Train A (T/S 3/4.7.3) <u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-SE-(-5)-135A (Rm 011, 024)	Internal flooding	(NONE AVAILABLE)	<u>Door, wall:</u> none required <u>Roof, hatch:</u> NONE AVAILABLE for this pump. Door <u>must</u> be open whenever hatch is open, or CCW pump(s) in adjacent room(s) also inop.

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-08-140A 2-SE-08-140B (Rm 019, 020), via: WALL, PENETRATION SEALS, WT DOOR: S2014	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) Internal flooding SDCB (SE2-Mode 4) (NOTE: Includes hazards from area 2-SE-08-140A/B to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA:</u> WRGM: Declare WRGM 2RT7865 inoperable for accident monitoring if barriers from 2-SE-08-140A/B (Rm 019/020) to 2-SE-(-15)-137C (Rm 005) are concurrently breached; Other: None required based on M-85109 <u>Flood:</u> Open door S2014 and berm all openings to \geq door sill height <u>SDCB:</u> NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Open door S2014 and berm all openings to \geq door sill height
2-SE-08-140A 2-SE-08-140B (Rm 019, 020), via: FLOOR, PENETRATION SEALS, HATCH: floor	CCW Train B (T/S 3/4.7.3)	2-SE-(-15)-137C (Rm 005)	See applicable entries for area 2-SE-(-15)-137C		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-08-140A 2-SE-08-140B (Rm 019, 020), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-08-140A 2-SE-08-140B (Rm 019, 020), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train B (T/S 3/4.7.3) Elec Train A/B (T/S 3.0.3)	2-SE-30-145A (Rm 110, 111)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-08-141 (Rm 021), via: WALL, PENETRATION SEALS, WT DOOR: S2015	<u>Mode 1-4:</u> CCW Train A (T/S 3/4.7.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) Internal flooding SDCB (SE2-Mode 4) (NOTE: Includes hazards from area 2-SE-08-141 to area 2-SE-(-15)-136	(NONE AVAILABLE)	<u>LOCA:</u> None required per M-85109 <u>Flood:</u> Open door S2015 and berm all openings to \geq door sill height <u>SDCB:</u> NONE AVAILABLE
	<u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Open door S2015 and berm all openings to \geq door sill height

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-08-141 (Rm 021), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A (T/S 3/4.7.3) <u>Mode 5/6/Defuel:</u> SDC Train A (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17	2-SE-(-15)-137C (Rm 005)	See applicable entries for area 2-SE-(-15)-137C		
2-SE-08-141 (Rm 021), via: ROOF, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-08-141 (Rm 021), via: ROOF, PENETRATION SEALS	<u>Mode 1-4:</u> CCW Train A (T/S 3/4.7.3)	2-SE-30-145A (Rm 111)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-SE-30-142A (Rm 103), via: WALL, PENETRATION SEALS, DOOR: AC243		2-AC-30-028 (Rm 236)	See applicable entries for area 2-AC-30-028		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-PE-30-002C (Rm 207, 208))	<u>Mode 1-4:</u> LOCA shine (PE2) LOCA airb (PE2) LDLB (PE2) SDCB (PE2-Mode 4) Internal missiles MSLB (SE2) FWLB (SE2) MSLB (TK2) NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles	(NONE AVAILABLE)	Secure HPSI pump S21204MP017, 018, 019
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-(-15)-136 (Rm 017)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shi (SE2) SDCB (SE2-Mode 4) Internal missiles MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal missiles Internal flooding	(NONE AVAILABLE)	Missiles: Secure fan unit S21507ME412 Flooding: Berm all openings to ≥ elev +30'6"

LC3 7-1xx TABLE 2
OTHER BARRIERS WITE EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-(-15)-138 (Rm 016)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev +30'6"
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-(-15)-139 (Rm 018)	<u>Mode 1-4:</u> LOCA airb (SE2) LOCA shine (SE2) SDCB (SE2-Mode 4) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev +30'6"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-08-140A (Rm 020) 2-SE-08-140B (Rm 019)	<u>Mode 1-4:</u> LOCA airb (SE2) SDCB (SE2) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A and areas adjoining 2-SE-08-140A and 2-SE-08-140B	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev +30'6"
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B	2-SE-08-141 (Rm 021)	<u>Mode 1-4:</u> LOCA airb (SE2) SDCB (SE2) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A and areas adjoining 2-SE-08-140A and 2-SE-08-140B	(NONE AVAILABLE)	(NONE REQUIRED)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev +30'6"

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B	2-SE-08-135A (Rm 022, 023, 025, 026)	<u>Mode 1-4:</u> LOCA airb (SE2) SDCB (SE2) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A and areas adjoining 2-SE-08-135A	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding	(NONE AVAILABLE)	Berm all openings to \geq elev +30'6"
2-SE-30-142A (Rm 103), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-30-145A (Rm 101, 102, 110, 111, South MSIV closure)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) Internal flooding MSLB (SE2) FWLB (SE2) MSLB (TK2) NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> Internal flooding NOTE: Flooding volume from 2-SE-30-145A bounds that from area 2-SE-30-142A	(NONE AVAILABLE)	Isolate main FW (eg. close S21305MU024, 2HV4010, 2HV4011) or secure condensate and htr drain pumps (S21305MP050, 051, 052, 053, 058, 059)
2-SE-30-142A (Rm 103, electrical chase), via: ROOF, WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-SE-50-146 (Rm 114, 115)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2) MSLB (TK2) NOTE: Barrier performs jet impingement function for EQ	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: WALLS, PENETRATION SEALS	<u>Mode 1-4:</u> Various Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-201)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) ASLB (TB2) Internal missiles MSLB (SE2) FWLB (SE2) MSLB (TK2) NOTE: Includes hazards from area 2-SE-30-142A. Barrier performs jet impingement function for EQ	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> Various Train A/B (T/S:See keynotes)		<u>Mode 5/6/Defuel:</u> ASLB (TB2) Internal missiles	(NONE AVAILABLE)	<u>ASLB:</u> Secure aux steam to TB2 (eg. close S31312MU058) <u>Missiles:</u> Secure condensate and htr drain pumps (S21305MP050, 051, 052, 053, 058, 059)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 103), via: FLOOR, PENETRATION SEALS	Mode 1-4: Various Train A/B (T/S 3.0.3)	2-TB-08-148G (Rm 027 (SE2))	Mode 1-4: MSLB (TB2) FWLB (TB2) ASLB (corridor) MSLB (SE2) FWLB (SE2) MSLB (TK2) Internal flooding NOTE: Includes hazards from area 2-SE-30-142A	(NONE AVAILABLE)	(NONE AVAILABLE)
	Mode 5/6/Defuel: Various Train A/B (T/S:See keynotes)		Mode 5/6/Defuel: ASLB (corridor) Internal flooding	(NONE AVAILABLE)	ASLB: Secure aux steam into SE corridor (eg. close SA1312MU060) Flood: Berm all openings to \geq elev +30'6"
2-SE-30-142A (Rm 103), via: ROOF, PENETRATION SEALS	Various Train A/B (T/S 3.0.3)	2-YD-30-200A (roof of cable tunnel)	Internal missiles	(NONE AVAILABLE)	Secure fan unit S21506MA384
2-SE-30-142A (Rm 203), via: WALL, PENETRATION SEALS		2-AC-50-037 (Rm 305)	See applicable entries for area 2-AC-50-037		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-142A (Rm 203), via: ROOF, PENETRATION SEALS	Various Train A/B <u>Mode 1-4:</u> (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> (T/S:See keynotes)	2-SE-30-142A (Rm 204)	Internal missiles NOTE: Barrier does not perform an EQ function for MSLB/FWLb steam	(NONE AVAILABLE)	Secure fan units S21506MA392, 393
2-SE-30-142A (Rm 204), via: WALL, PENETRATION SEALS, DOOR: AC458		2-AC-70-063 (Rm 423)	See applicable entries for area 2-AC-70-063		
2-SE-30-145A (North MSIV area), via: WALL, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-30-145A (North MSIV area), via: ROOF, SOUTH WALL	MSS Train A/B (T/S 3/4.7.1.5) (T/S 3/4.7.1.6)	2-SE-30-145A (South MSIV area)	Internal missiles	(NONE AVAILABLE)	Secure fan units S21501MA417, 419
2-SE-30-145A (South MSIV area), via: WALL, PENETRATION SEALS	MSS Train A/B (T/S 3/4.7.1.5) (T/S 3/4.7.1.6)	2-PE-30-002C (Rm 207)	See applicable entries for area 2-PE-30-002C		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-SE-30-145A (South MSIV area), via: WALL, PENETRATION SEALS	MSS Train A/B (T/S 3/4.7.1.5) (T/S 3/4.7.1.6)	2-PE-45-003A (Rm 306)	See applicable entries for area 2-PE-45-003A		
2-SE-30-145A (South MSIV area), via: WALL, PENETRATION SEALS		2-SE-30-142A (Rm 103)	See applicable entries for area 2-SE-30-142A		
2-SE-30-145A (South MSIV area), via: ROOF, NORTH WALL, BLOWOUT PANELS	MSS Train A/B (T/S 3/4.7.1.5) (T/S 3/4.7.1.6)	2-SE-30-145A (North MSIV area)	Internal missiles	(NONE AVAILABLE)	Secure fan unit S21501MA416, MA418
2-TB-(-9)-148E (SWC piping tunnel), via: ROOF, PENETRATION SEALS, HATCH: H4	<u>Mode 1-4:</u> SWC Train A/B (T/S 3.0.3)	2-TB-07-148A (Rm T2-101)	<u>Mode 1-4:</u> MSLB (TB2) FWLB (TB2) NOTE: barriers not credited for CWS flood (TB2/3)	(NONE AVAILABLE)	(NONE AVAILABLE) Note: See Table 3 for existing hatch cover penetrations
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BAPRIERS	COMPENSATORY MEASURES
2-TB-(-9)-148E (SWC piping tunnel), via: ROOF, PENETRATION SEALS	SWC Train A/B (T/S 3.0.3)	2-TB-07-148B (Rm T2-102) (Rm T3-102)	MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3) Note: barriers not credited for CWS flood (TB2/3)	(NONE AVAILABLE)	(NONE AVAILABLE)
2-TB-(-9)-148E (SWC piping tunnel), via: ROOF, PENETRATION SEALS, HATCH: H5	SWC Train A/B (T/S 3.0.3)	3-TB-07-148A (Rm T3-101)	MSLB (TB3) FWLB (TB3) NOTE: barriers not credited for CWS flood (TB2/3)	(NONE AVAILABLE)	(NONE AVAILABLE) Note: See Table 3 for existing hatch cover penetrations
2-TB-09-148F (Rm T2-106), via: WALL, PENETRATION SEALS, DOOR: T2106	<u>Mode 1-4:</u> SWC Train A/B (T/S 3.0.3) Elec Train A/B (T/S 3.0.3)	2-TB-07-148B (Rm T2-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17 Elec Train A/B (T/S 3/4.8.3)		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-TB-09-148F (Rm T2-106), via: ROOF, SOUTH WALL, PENETRATION SEALS, HATCH: 4 (SWC pps)	Mode 1-4: SWC Train A/B (T/S 3.0.3) Elec Train A/B (T/S 3.0.3) Mode 5/6/Defuel: SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17 Elec Train A/B (T/S 3/4.8.3)	3-TB-09-148F (Rm T3-106)	Internal missiles	3-TB-09-148F (Rm T3-106) NORTH WALL, ROOF, PENETRATION SEALS AND ROOF HATCHES (4 - SWC pps)	Secure fan units S31505MA370, 371 and S21505MA372, 373
2-TK-(-2)-161B (AFW piping tunnel), via: WALL, PENETRATION SEALS, WT DOOR: S2010	APW Train A/B/C (T/S 3/4.7.1.2) MSS Train A/B (T/S 3/4.7.1.6)	2-SE-(-15)-136 (Rm 017)	See applicable entries for area 2-SE-(-15)-136		
2-TK-(-2)-161B (AFW piping tunnel), via: WALL, PENETRATION SEALS, WT DOOR: S2011	APW Train A/B/C (T/S 3/4.7.1.2) MSS Train A/B (T/S 3/4.7.1.6)	2-SE-(-15)-138 (Rm 003, 016)	See applicable entries for area 2-SE-(-15)-138		

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-TK-(-2)-161B (valve doghouse and pipe tunnel), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> AFW Train A/B/C (T/S 3/4.7.1.2) MSS Train A/B (T/S 3/4.7.1.6)	2-SE-30-145A (North MSIV area)	<u>Mode 1-4:</u> MSLB (SE2) FWLB (SE2)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-TK-(-2)-161B (valve doghouse and pipe tunnel), via: WALL, PENETRATION SEALS	<u>Mode 1-4:</u> AFW Train A/B/C (T/S 3/4.7.1.2) MSS Train A/B (T/S 3/4.7.1.6)	2-TK-30-161A 2-TK-(-2)-161B (AFW pump room via piping tunnel)	<u>Mode 1-4:</u> MSLB (TK2)	(NONE AVAILABLE)	Secure main steam to AFW pump room (eg. close 2HV8200, 2HV8201)
	<u>Mode 5/6/Defuel:</u> N/A		<u>Mode 5/6/Defuel:</u> (none)	(none required)	(none required)
2-TK-30-161A (AFW pump room), via: ROOF, PENETRATION SEALS, HATCH: roof	AFW Train A/B/C (T/S 3/4.7.1.2)	2-YD-30-200A (AFW pump room roof)	Internal missiles	(NONE AVAILABLE)	Secure fan unit S21506MA387
2-TK-30-163 (T005 vault), via: WALL, PENETRATION SEALS	AFW Train A/B/C (T/S 3/4.7.1.2) SIS Train A/B (T/S 3.0.3)	2-TK-30-165 (T120 vault)	Internal flooding (non-seismic tk)	(NONE AVAILABLE)	Drain T-120 to below level of unsealed penetration

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
2-TK-30-164 (T121 vault), via: WALL, PENETRATION SEALS	AFW Train A/B/C (T/S 3/4.7.1.1)	2-TK-30-165 (T120 vault)	Internal flooding (non-seismic tk)	(NONE AVAILABLE)	Drain T-120 to below level of unsealed penetration
2-TK-30-166 (T006 vault), via: WALL, PENETRATION SEALS	AFW Train A/B/C (T/S 3/4.7.1.2) SIS Train A/B (T/S 3.0.3)	2-TK-30-165 (T120 vault)	Internal flooding (non-seismic tk)	(NONE AVAILABLE)	Drain T-120 to below level of unsealed penetration
3-TB-09-148F (Rm T3-106), via: WALL, PENETRATION SEALS, DOOR: T3106	<u>Mode 1-4:</u> SWC Train A/B (T/S 3.0.3) Elec Train A/B (T/S 3.0.3)	2-TB-07-148B (Rm T3-102)	<u>Mode 1-4:</u> MSLB (TB2) MSLB (TB3) FWLB (TB2) FWLB (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)
	<u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17 Elec Train A/B (T/S 3/4.8.3)		<u>Mode 5/6/Defuel:</u> MSLB (TB3) FWLB (TB3)	(NONE AVAILABLE)	(NONE AVAILABLE)

LCS 3.7-1xx TABLE 2
OTHER BARRIERS WITH EQ/MISSILE FUNCTIONS

PROTECTED EQUIPMENT AREA	PROTECTED SYSTEMS (Applicable T/S)	HAZARD SOURCE AREA	APPLICABLE HAZARDS	ALTERNATE BARRIERS	COMPENSATORY MEASURES
3-TB-09-148F (Rm T3-106), via: ROOF, NORTH WALL, PENETRATION SEALS, HATCH: 4 (SWC pps)	<u>Mode 1-4:</u> SWC Train A/B (T/S 3.0.3) Elec Train A/B (T/S 3.0.3) <u>Mode 5/6/Defuel:</u> SDC Train A/B (T/S 3/4.4.1.4) (T/S 3/4.9.8) via T/S 1.17 Elec Train A/B (T/S 3/4.8.3)	2-TB-09-148F (Rm T2-106)	Internal missiles	2-TB-09-148F (Rm T2-106) SOUTH WALL, ROOF, PENETRATION SEALS AND HATCHES (4 - SWC pps)	Secure fan units S21505MA370, 371 and S31505MA372, 373

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

KEYNOTES

BARRIER	AREA 1	AREA 2	REMARKS
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BARRIER: The specific barrier (block wall, door, floor plug, hatch, manhole cover, penetration seal, sleeve, vault plug, wall, etc.) which has been evaluated and determined to have no EQ (steam, flood, dose) or equipment-generated missile functions. Related barriers which are not listed (eg. wall adjacent to a specified door, penetration seal adjacent to a specified seal, etc.) may not be added to this listing without a specific evaluation per 10CFR50.59.

AREA 1, AREA 2: The plant area numbers (unit, building, elevation and area) and rooms between which the specified barrier is located. Areas 2-YD-30-200A and 2-YD-30-200B are the Unit 2 and Unit 3 yard areas, respectively, which include the roof areas of other buildings for which a separate fire area designation is not assigned.

REMARKS: Other pertinent or clarifying information.

1. Unless noted otherwise, all barriers in this table are subject to applicable controls outside this LCS for one or more of the following functions: fire protection; severe weather AOI; Fuel Handling Isolation System boundary; CREACUS boundary; security. Where none of these functions apply, "No comp measures req'd" is shown in the Remarks.
2. Barriers which can provide EQ/missile functions as an alternate to a Table 2 barrier are shown as "Table 2 alternate barrier" in the Remarks. Table 3 barriers with this designation are subject to the same surveillance requirements as the corresponding Table 2 barrier while functioning as its alternate.

Table 3 is sorted by **BARRIER**, **AREA 1** (unit, building, elevation and area number) and **AREA 2** (unit, building, elevation and area number).

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
BLOCK WALL 216	2-AR-24-094 Room 217B	2-AR-24-094 Room 203C	
DOOR (no tags)	2-TB-30-148H Tank Room	2-TB-30-148H FFCPD Cntrl Room	No Comp Measures Req'd
DOOR (no tags)	3-TB-30-148H Tank Room	3-TB-30-148H FFCPD Cntrl Room	No Comp Measures Req'd
DOOR AC102	2-AC-09-016 Room 102	2-AC-09-016 Room 105	No Comp Measures Req'd
DOOR AC103	2-AC-09-016 Room 103	2-AC-09-016 Room 105	No Comp Measures Req'd
DOOR AC104	2-AC-09-016 Room 104	2-AC-09-016 Room 105	No Comp Measures Req'd
DOOR AC105	2-AC-09-012 Room 107	2-AC-09-016 Room 105	
DOOR AC106	2-AC-09-016 Room 105	2-AC-09-012 Room 107	
DOOR AC107	2-AC-09-016 Room 105	2-AC-09-013 Room 108	
DOOR AC109	2-AC-09-005 Room 111A	3-AC-09-006 Room 111B	
DOOR AC110	2-AC-09-015 Room 105	2-AC-09-016 Room 109	
DOOR AC112	2-AC-09-014 Room 110	2-AC-09-005 Room 111A	
DOOR AC115	2-AC-09-011 Room 117	2-AC-09-016 Room 105	
DOOR AC116	3-AC-09-006 Room 111B	2-AC-09-016 Room 105	
DOOR AC117	2-AC-09-016 Room 105	2-AC-09-009 Room 115	
DOOR AC118	2-AC-09-016 Room 105	2-AC-09-008 Room 114	
DOOR AC121	2-AC-09-016 Room 105	2-AC-09-019 Room 113	
DOOR AC122	2-AC-09-014 Room 110	2-AC-09-001 Room 111A	
DOOR AC125	3-AC-09-006 Room 111B	3-AC-09-007 Room 112	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC126	2-AC-09-016 Room 105	2-AC-09-016 Room 118	No Comp Measures Req'd
DOOR AC127	2-AC-09-010 Room 116	2-AC-09-016 Room 105	
DOOR AC128	2-AC-09-010 Room 116	2-AC-09-016 Room 105	
DOOR AC130	2-AC-09-010 Room 116	2-AC-09-009 Room 115	
DOOR AC132	2-AC-09-013 Room 108	2-AC-09-014 Room 110	
DOOR AC133	3-AC-09-007 Room 112	2-AC-09-008 Room 114	
DOOR AC202	2-AC-30-020E Room RESTRM	2-AC-30-020E Room LOBBY	No Comp Measures Req'd
DOOR AC204	2-AC-30-020E Room RESTRM	2-AC-30-020E Room LOBBY	No Comp Measures Req'd
DOOR AC206	2-AC-30-020E Room REPLAB	2-AC-30-020E Room LOBBY	No Comp Measures Req'd
DOOR AC208	2-AC-30-020A Room EQTRM	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC214	2-AC-30-020A Room WLOCK	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC215	2-AC-30-020A Room OFFICE	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC216	2-AC-30-020A Room MLOCKR	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC217	2-AC-30-020A Room CLOSET	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC219	2-AC-30-023 Room 219	2-AC-30-022 Room 221	
DOOR AC221	2-AC-30-020E Room 201	2-AC-09-018 Room 241	
DOOR AC222	2-AC-09-019 Room 221	2-AC-09-019 Room 113	No Comp Measures Req'd
DOOR AC224	2-AC-30-020E Room 201	2-AC-30-020A Room 206	
DOOR AC225	2-AC-30-020A Room OFFICE	2-AC-30-020A Room CORDR	No Comp Measures Req'd
DOOR AC226	2-AC-30-020A Room 227	2-AC-30-020A Room CORDR	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC227	2-AC-30-020A Room 226	2-AC-30-020A Room CRTL	No Comp Measures Req'd
DOOR AC228	2-AC-30-020A Room 227	2-AC-30-020A Room 240	No Comp Measures Req'd
DOOR AC229	2-AC-30-020A Room 207	2-AC-30-020A Room 240	
DOOR AC231	2-AC-30-020A Room 229	2-AC-30-020A Room 240	No Comp Measures Req'd
DOOR AC232	2-AC-30-020A Room 229	2-AC-30-020A Room 240	No Comp Measures Req'd
DOOR AC233	2-AC-30-020A Room OFFICE	2-AC-30-020A Room 240	No Comp Measures Req'd
DOOR AC234	2-AC-30-020A Room 232	2-AC-30-020A Room 240	No Comp Measures Req'd
DOOR AC235	2-AC-30-020A Room 230	2-AC-30-020A Room OFFICE	No Comp Measures Req'd
DOOR AC236	2-AC-30-026 Room 233	2-AC-30-027 Room 234	
DOOR AC239	2-AC-30-020A Room 229	2-AC-30-028 Room 236	
DOOR AC241	2-AC-39-020D Room 248B	2-AC-39-020D Room EQUIP	No Comp Measures Req'd
DOOR AC248	2-AC-30-020A Room 245	2-AC-30-020A Room 231	No Comp Measures Req'd
DOOR AC249	2-AC-30-020A Room 246	2-AC-30-020A Room 231	No Comp Measures Req'd
DOOR AC250	2-AC-30-020E Room 201	2-AC-30-020D Room 248A	No Comp Measures Req'd
DOOR AC252	2-AC-30-024 Room 222	2-AC-30-024 Room 242	
DOOR AC253	2-AC-39-020D Room HALLW	2-AC-39-020D Room 248B	No Comp Measures Req'd
DOOR AC255	2-AC-39-020D Room 251	2-AC-39-020D Room 248B	No Comp Measures Req'd
DOOR AC261	2-AC-30-027 Room 234	2-AC-30-027 Room 235	No Comp Measures Req'd
DOOR AC262	2-AC-30-022 Room 221	2-AC-30-022 Room 223	No Comp Measures Req'd
DOOR AC303	2-AC-50-036 Room 305A	2-AC-50-035 Room 302A	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC305	2-AC-30-027 Room 304	2-AC-50-029 Room 303A	
DOOR AC306	2-AC-50-029 Room 303A	2-AC-50-041 Room 307A	
DOOR AC308	2-AC-50-037 Room 305	2-AC-50-040 Room 308A	
DOOR AC310	2-AC-50-038 Room 303A	2-AC-50-039 Room 309B	
DOOR AC313	2-AC-50-029 Room 303B	2-AC-50-042 Room 306A	
DOOR AC316	2-AC-50-037 Room 305	2-AC-50-036 Room 305A	
DOOR AC319	2-AC-50-036 Room 305A	2-AC-50-037 Room 305	
DOOR AC326	2-AC-50-029 Room 303C	3-AC-50-052 Room 306J	
DOOR AC327	2-AC-50-029 Room 303C	2-AC-50-053 Room 306H	
DOOR AC328	2-AC-50-029 Room 303C	3-AC-50-054 Room 306G	
DOOR AC329	3-AC-50-055 Room 306F	2-AC-50-029 Room 303C	
DOOR AC330	3-AC-50-056 Room 310E	2-AC-50-029 Room 303D	
DOOR AC331	3-AC-50-032 Room 315	3-AC-50-033 Room 315B	
DOOR AC332	3-AC-50-057 Room 310F	2-AC-50-029 Room 303D	
DOOR AC333	3-AC-50-058 Room 310G	2-AC-50-029 Room 303D	
DOOR AC335	3-AC-50-059 Room 310H	2-AC-50-029 Room 303D	
DOOR AC336	2-AC-30-024 Room 313	2-AC-50-029 Room 301	
DOOR AC337	2-AC-50-029 Room 303D	3-AC-50-061 Room 306K	
DOOR AC341	3-AC-50-031 Room 309D	3-AC-50-032 Room 315	
DOOR AC344	2-AC-50-029 Room 303E	3-AC-50-033 Room 315B	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC345	2-AC-30-022 Room 314	2-AC-50-029 Room 303E	
DOOR AC351	3-AC-50-060 Room 308B	3-AC-50-032 Room 315	
DOOR AC404	2-AC-70-064 Room 403	2-AC-70-064 Room 401	No Comp Measures Req'd
DOOR AC405	2-AC-70-064 Room 401	2-AC-30-027 Room 424	
DOOR AC406	2-AC-70-064 Room 401	2-AC-70-064 Room 404	No Comp Measures Req'd
DOOR AC407	2-AC-70-064 Room 401	2-AC-70-064 Room 404	No Comp Measures Req'd
DOOR AC408	2-AC-70-064 Room 401	2-AC-70-064 Room 407	No Comp Measures Req'd
DOOR AC413	2-AC-70-064 Room 421	2-AC-70-064 Room 410	No Comp Measures Req'd
DOOR AC414	2-AC-70-064 Room 420	2-AC-70-064 Room 421	No Comp Measures Req'd
DOOR AC415	2-AC-70-064 Room 416	2-AC-70-064 Room 421	No Comp Measures Req'd
DOOR AC416	2-AC-70-175 Room 461	3-AC-70-065 Room 449	
DOOR AC418	2-AC-70-064 Room 411	2-AC-70-064 Room 417	No Comp Measures Req'd
DOOR AC423	2-AC-70-064 Room 401	2-AC-70-063 Room 403	No Comp Measures Req'd
DOOR AC426	2-AC-70-064 Room 426	2-AC-70-064 Room 429	No Comp Measures Req'd
DOOR AC427	2-AC-70-064 Room 421	2-AC-70-064 Room 429	No Comp Measures Req'd
DOOR AC428	2-AC-70-064 Room 429	2-TB-72-154B Room T2-404	
DOOR AC430	2-AC-70-064 Room 401	2-AC-30-024 Room 435	
DOOR AC431	2-AC-70-064 Room 401	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC432	2-AC-70-064 Room 442	2-AC-70-064 Room 435	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC434	2-AC-70-064 Room 436	2-AC-70-064 Room 443	No Comp Measures Req'd
DOOR AC438	2-AC-70-064 Room 442	2-AC-70-064 Room 443	No Comp Measures Req'd
DOOR AC439	2-AC-70-064 Room 441	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC440	2-AC-70-064 Room 446	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC441	2-AC-70-064 Room 446	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC442	2-AC-70-064 Room 412	3-AC-70-065 Room 449	
DOOR AC443	2-AC-70-064 Room 442	2-AC-30-022 Room 447	
DOOR AC448	2-AC-70-064 Room 451	2-AC-70-064 Room 452	No Comp Measures Req'd
DOOR AC501	2-AC-30-024 Room 501	2-YD-30-200B Aux Bldg Roof	Stairwell door
DOOR AC503	2-AC-85-070 Room 503	2-YD-30-200A Aux Bldg Roof	No Comp Measures Req'd
DOOR AC504	2-AC-85-070 Room 503	2-AC-30-200A Aux Bldg Roof	No Comp Measures Req'd
DOOR AC505	2-AC- (85) -071 Room 504	2-YD-30-200B Aux Bldg Roof	No Comp Measures Req'd
DOOR AC701	2-AC-70-064 Room 459	2-AC-70-064 Room 454	No Comp Measures Req'd
DOOR AC702	2-AC-70-064 Room 453	2-AC-70-064 Room 454	No Comp Measures Req'd
DOOR AC703	2-AC-70-064 Room 442	2-AC-70-064 Room 450	No Comp Measures Req'd
DOOR AC705	2-AC-70-064 Room 458	2-AC-70-064 Room 459	No Comp Measures Req'd
DOOR AC706	2-AC-70-064 Room 442	2-AC-70-064 Room 455	No Comp Measures Req'd
DOOR AC708	2-AC-70-064 Room 412	2-AC-70-064 Room 455	No Comp Measures Req'd
DOOR AC709	2-AC-70-064 Room 410	2-AC-70-064 Room 411	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AC710	2-AC-70-064 Room 421	2-AC-70-064 Room 411	No Comp Measures Req'd
DOOR AC713	2-AC-70-064 Room 401	2-AC-70-064 Room 408	No Comp Measures Req'd
DOOR AC714	2-AC-70-064 Room 401	2-AC-70-064 Room 409	No Comp Measures Req'd
DOOR AC715	2-AC-70-064 Room 445	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC716	2-AC-70-064 Room 401	2-AC-70-064 Room 431	No Comp Measures Req'd
DOOR AC717	2-AC-70-064 Room 401	2-AC-70-064 Room 406	No Comp Measures Req'd
DOOR AC718	2-AC-70-064 Room 417	2-AC-70-064 Room 411	No Comp Measures Req'd
DOOR AC719	2-AC-70-064 Room 415	2-AC-70-064 Room 442	No Comp Measures Req'd
DOOR AC721	2-AC-70-064 Room 406	2-AC-70-064 Room 413	No Comp Measures Req'd
DOOR AC722	2-AC-70-064 Room 406	2-AC-70-064 Room VEST	No Comp Measures Req'd
DOOR AC733	2-AC-70-064 Room 401	2-AC-70-064 Room 403	No Comp Measures Req'd
DOOR AC737	2-AC-70-064 Room 401	2-AC-70-064 Room 430	No Comp Measures Req'd
DOOR AR102	2-AR-09-076 Room 101	2-AR-09-086 Room 103A	Table 2 alternate barrier for AR201, AR403. No other functions.
DOOR AR103	2-AR-09-076 Room 103A	2-AR-09-077 Room 102	Table 2 alternate barrier for AR202, AR403
DOOR AR105	2-AR-09-076 Room 103E	3-AR-09-078A Room 105C	No Comp Measures Req'd
DOOR AR106	2-AR-09-076 Room 103E	3-AR-09-078B Room 105D	No Comp Measures Req'd
DOOR AR301	2-AR-09-086 Room 301	2-AR-37-102A Room 303	Table 2 alternate barrier for AR201, AR401, AR502
DOOR AR302	2-AR-37-102A Room 334	2-AR-09-077 Room 302	Table 2 alternate barrier for AR202, AR403, AR503

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AR303	2-AR-09-077 Room 202	2-AR-09-077 Room 302	No Comp Measures Req'd
DOOR AR304	3-AR-09-075 Room 127B	2-AR-09-077 Room 302	Table 2 alternate barrier for AR202, AR403, AR503
DOOR AR305	2-AR-09-086 Room 201	2-AR-09-086 Room 301	No Comp Measures Req'd
DOOR AR306	2-AR-09-073 Room 127A	2-AR-09-086 Room 301	Table 2 alternate barrier for AR201, AR401, AR502
DOOR AR309A	2-AR-37-102A Room 336	2-YD-30-200B Room YARD	
DOOR AR312	2-AR-37-108A Room 334	3-AR-21-096 Room 340B	No Comp Measures Req'd
DOOR AR318	2-AR-37-102A Room 309A	2-AR-24-102B Room 215	Table 2 alternate barrier for wall between 2-AR-24-102B (Rm 215) and 2-AR-24- 94 (Rm 206D). No other functions.
DOOR AR323	2-AR-37-102A Room 320	2-AR-37-102A Room 338	No Comp Measures Req'd
DOOR AR611	2-AR-68-178A Room 613	2-AR-68-178A Room 612	No Comp Measures Req'd
DOOR AR612	2-AR-68-178A Room 612	2-AR-68-178A Room 611	No Comp Measures Req'd
DOOR AR613	2-AR-68-178A Room 613	2-AR-68-178A Room 614	No Comp Measures Req'd
DOOR AR614	2-AR-68-178A Room 613	2-AR-68-178A Room 615	No Comp Measures Req'd
DOOR AR615	2-AR-68-178A Room 613	2-AR-68-178A Room 619	No Comp Measures Req'd
DOOR AR616	2-AR-68-178A Room 619	2-AR-68-178A Room 622	No Comp Measures Req'd
DOOR AR617	2-AR-68-178A Room 624	2-AR-68-178A Room 631	No Comp Measures Req'd
DOOR AR618	2-AR-68-178A Room 625	2-AR-68-178A Room 631	No Comp Measures Req'd
DOOR AR619	2-AR-68-178A Room 627	2-AR-68-178A Room 631	No Comp Measures Req'd
DOOR AR620	2-AR-68-178A Room 625	2-AR-68-178A Room 626	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR AR621	2-AR-68-178A Room 626	2-AR-68-178A Room 627	No Comp Measures Req'd
DOOR AR623	2-AR-68-178A Room 628	2-AR-68-178A Room 631	No Comp Measures Req'd
DOOR AR624	2-AR-68-178A Room 631	2-AR-68-178B Room 629	No Comp Measures Req'd
DOOR AR625	2-AR-68-178A Room 631	2-AR-68-178B Room 629	No Comp Measures Req'd
DOOR AR626	2-AR-68-178A Room 628	2-AR-68-178B Room 630	No Comp Measures Req'd
DOOR AR627	2-AR-68-178A Room 631	2-AR-68-178B Room 630	No Comp Measures Req'd
DOOR AR629	2-AR-68-178A Room 631	2-AR-68-178A Room 632	No Comp Measures Req'd
DOOR AR632	2-AR-68-178A Room 624	2-YD-30-200B Room YARD	No Comp Measures Req'd
DOOR C2106	2-SE-(-12)-170 Emergency Recirc Tunnel	2-SE-(-12)-170	
DOOR C2107	2-SE-(-12)-170 Emergency Recirc Tunnel	2-SE-(-12)-170 Tendon Access Gallery	
DOOR C2108	2-SE-(-12)-170 Emergency Recirc Tunnel	2-SE-(-12)-170 Tendon Access Gallery	
DOOR C2403	2-PE-63-003B	2-PE-63-003B	No Comp Measures Req'd
DOOR C3106	3-SE-(-12)-170 Emergency Recirc Tunnel	3-SE-(-12)-170 Tendon Access Gallery	
DOOR C3107	3-SE-(-12)-170 Emergency Recirc Tunnel	3-SE-(-12)-170 Tendon Access Gallery	
DOOR C3108	3-SE-(-12)-170 Emergency Recirc Tunnel	3-SE-(-12)- 170Tendon Access Gallery	
DOOR C3403	3-PE-63-003B Room 406	3-PE-63-003B Room 408	No Comp Measures Req'd
DOOR C3405	3-PE-63-003B Room 409	3-PE-63-003B Room 411	No Comp Measures Req'd
DOOR DG2102	2-DG-30-158	2-YD-30-200A YARD AREA	Includes wall and penetration seals

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR DG2104	2-DG-30-157 Room 105	2-DG-30-155 Room 107	
DOOR DG2105	2-DG-30-155	2-YD-30-200A YARD AREA	Includes wall and penetration seals
DOOR DG2107	2-DG-30-156	2-YD-30-200A YARD AREA	Includes wall and penetration seals
DOOR DG2108	2-DG-30-157	2-YD-30-200A YARD AREA	Includes wall and penetration seals
DOOR DG3101	3-DG-30-156 Room 101	3-DG-30-158 Room 103	
DOOR DG3102	3-DG-30-158	2-YD-30-200B YARD AREA	Includes wall and penetration seals
DOOR DG3103	3-DG-30-157 Room 105	3-DG-30-158 Room 103	
DOOR DG3105	3-DG-30-155	2-YD-30-200B YARD AREA	Includes wall and penetration seals
DOOR DG3107	3-DG-30-156	2-YD-30-200B YARD AREA	Includes wall and penetration seals
DOOR DG3108	3-DG-30-157	2-YD-30-200B YARD AREA	Includes wall and penetration seals
DOOR FH2101	2-FH-15-124 Room 101	2-PE-09-002A Room 113	
DOOR FH2102	2-FH-15-124 Room 101	2-FH-15-124 Room 103	
DOOR FH2201	2-FH-15-124 Room 201	2-FH-15-124 Room 201	No Comp Measures Req'd
DOOR FH2202	2-FH-15-124 Room 201	2-FH-30-128 Room 203	No Comp Measures Req'd
DOOR FH2204	2-FH-30-127 Room 202	2-FH-30-128 Room 203	
DOOR FH2301	2-FH-15-124 Room 301	2-FH-45-131 Room 303	No Comp Measures Req'd
DOOR FH2303	2-FH-45-131 Room 303	2-PE-45-003A Room 306	
DOOR FH2401	2-FH-15-124 Room 401	2-FH-63-134 Room 403	No Comp Measures Req'd
DOOR FH3102	3-FH-15-124 Room 101	3-FH-15-125 Room 103	
DOOR FH3201	3-FH-15-124 Room 201	3-FH-15-124 Room 201	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR FH3202	3-FH-15-124 Room 201	3-FH-30-128 Room 203	No Comp Measures Req'd
DOOR FH3301	3-FH-15-124 Room 301	3-FH-45-131 Room 303	No Comp Measures Req'd
DOOR FH3401	3-FH-15-124 Room 401	3-FH-63-134 Room 403	No Comp Measures Req'd
DOOR FH3403	3-FH-63-134 Room 403	3-PE-63-003B Room 411	
DOOR S2201	2-SE-30-144 Room 107	2-SE-70-172 Room 202	No Comp Measures Req'd
DOOR T2101	2-TB-07-148A Room T2-101	2-TB-07-148A Room T2-105	
DOOR T2103	2-TB-07-149 Room T2-108	2-TB-09-148C Circ Pump Area	No Comp Measures Req'd
DOOR T2104	2-TB-07-149 Room T2-101	2-TB-07-149 Room T2-103	
DOOR T2105	2-TB-07-148B Room T2-102	2-TB-09-148C Circ Pump Area	No Comp Measures Req'd
DOOR T2203	2-TB-30-148H Room	2-TB-07-148A Room T2-201	No Comp Measures Req'd
DOOR T2204	2-TB-30-148H Room FFCPD	2-TB-07-148A Room T2-101	No Comp Measures Req'd
DOOR T2205	2-TB-30-148H Room FFCPD	2-TB-07-148H Room T2-101	No Comp Measures Req'd
DOOR T2207	2-TB-07-148A Room T2-204	2-YD-30-200A Room	No Comp Measures Req'd
DOOR T2208	2-TB-07-148A Room TB	2-TB-09-148C Room YARD	No Comp Measures Req'd
DOOR T2212	2-TB-07-148A Room T2-205	2-TB-07-148A Room T2-206	No Comp Measures Req'd
DOOR T2213	2-TB-07-148A Room T2-205	2-TB-07-148A Room T2-206	No Comp Measures Req'd
DOOR T3102	3-TB-07-148A Room T3-101	2-TB-07-148A Room T3-105	No Comp Measures Req'd
DOOR T3103	3-TB-07-149 Room T3-103	3-TB-09-148C Circ Pump Area	No Comp Measures Req'd
DOOR T3105	3-TB-07-148B Room T3-102	3-TB-09-148C Circ Pump Area	No Comp Measures Req'd
DOOR T3204	3-TB-30-148H Room FFCPD	3-TB-07-148H Room T3-101	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
DOOR T3205	3-TB-30-148H Room FFCPD	3-TB-07-148A Room T3-101	
DOOR T3206	2-YD-30-200B Room YARD	3-TB-07-148A Room T3-204	No Comp Measures Req'd
DOOR T3207	2-YD-30-200B Room WEST	3-TB-07-148A Room T3-204	No Comp Measures Req'd
DOOR T3210	3-TB-07-148A Room T3-204	3-TB-07-149 Room T3-103	
FLOOR	2-AR-09-081 Room 111D	3-AR-37-104 Room 345B	Includes penetration seals Provides temperature boundary between reactor trip breakers and Tank T068
FLOOR PLUG	2-AR-09-080 Room 110	2-AR-24-096 Room 205B	No Comp Measures Req'd
FLOOR PLUG	2-AR-09-081 Room 111A	2-AR-37-102A Room 309B	No Comp Measures Req'd Tank T065 vault
FLOOR PLUG	2-AR-09-081 Room 111B	2-AR-37-102A Room 309C	No Comp Measures Req'd Tank T066 vault
FLOOR PLUG	2-AR-09-081 Room 111C	2-AR-37-102A Room 308C	Includes floor and penetration seals Provides temperature boundary between reactor trip breakers and Tank T067
FLOOR PLUG	2-AR-09-081 Room 111D	2-AR-37-102A Room 308D	Includes floor and penetration seals Provides temperature boundary between reactor trip breakers and Tank T068
FLOOR PLUG	2-AR-09-083 Room 122	2-AR-24-098 Room 205A	No Comp Measures Req'd Tank T069 vault
FLOOR PLUG	2-AR-37-102A Room 126B	2-AR-09-074 Room 335B	No Comp Measures Req'd Tank T058 vault
FLOOR PLUG	2-AR-24-094 Room 206D	2-AR-37-102A Room 334	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
FLOOR PLUG	2-AR-09-080 Room 110	3-AR-24-096 Room 205B	No Comp Measures Req'd Tank T064 vault
FLOOR PLUGS (4)	2-TB-07-148A Room T2-301	2-TB-07-148A Room T2-201	Over condensate pumps MP050 thru MP053
FLOOR PLUGS (2)	2-TB-07-148A Turbine Deck	2-TB-07-148A Room T2-301	Over heater drain pumps MP058, MP059
FLOOR PLUGS (4)	3-TB-07-148A Room T3-301	3-Tb-07-148A Room T3-201	Over condensate pumps MP050 thru MP053
FLOOR PLUGS (2)	3-TB-07-148A Turbine Deck	3-TB-07-148A Room T3-301	Over heater drain pumps MP058, MP059
HATCH COVER H4 penetrations	2-TB-07-148A Room T2-101	2-TB-(-09)-148E Room SWC pipe tunnel	Existing screw holes, plate gaps and hose cutouts only (total area < 50 square inches). All other openings governed by Table 2.
HATCH COVER H5 penetrations	3-TB-07-148A Room T3-101	2-TB-(-09)-148E Room SWC pipe tunnel	Existing screw holes, plate gaps and hose cutouts only (total area < 50 square inches). All other openings governed by Table 2.
MANHOLE COVER AKX202	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AKX206	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AKX207	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AKX211	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd See Dwg 35048 C7 for location.
MANHOLE COVER AKX214	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd See Dwg 35048 for location.
MANHOLE COVER AKX222	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AKX223	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AOX303	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
MANHOLE COVER AOX309	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AOX318	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER AOX319	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER IYX213	3-AC-09-006 Room 111B	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER IYX301	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER SAX105	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd See Dwg 35081 for location.
MANHOLE COVER SAX106	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER SAX107	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd See Dwg 35081, SHT 1 for location.
MANHOLE COVER SBX108	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER SBX110	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER SBX111	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd See Dwg 35081 SHT 3 for location.
MANHOLE COVER SE GTOWER4 2ND	2-YD-30-200B Room YARD	2-YD-30-200B Room DUCTBANK	
MANHOLE COVER SE GTOWER4 1ST	2-YD-30-200B Room YARD	2-YD-30-200B Room DUCTBANK	
MANHOLE COVER TLAX01	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX02	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX03	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX04	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	
MANHOLE COVER TLAX05	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
MANHOLE COVER TLAX06	2-YD-30-200A Room YARD	2-YD-30-200A Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX07	2-YD-30-200B Room YARD	2-YD-30-200B Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX08	2-YD-30-200 Room YARD	2-YD-30-200 Room MANHOLE	No Comp Measures Req'd
MANHOLE COVER TLAX09	2-YD-30-200 Room YARD	2-YD-30-200 Room MANHOLE	No Comp Measures Req'd
PENETRATION SEAL S2DF204002	2-DG-20-159 Room VAULT	2-DG-20-160 Room VAULT	
PENETRATION SEAL S2DF204003	2-DG-20-159 Room VAULT A	2-DG-20-160 Room VAULT B	
PENETRATION SEAL S2DG301016	2-DG-30-155 Room 107	2-DG-30-156 Room 101	No Comp Measures Req'd
PENETRATION SEAL S2FH302095014	2-FH-17-122 Room 107	2-FH-30-126 Room 209	
PENETRATION SEAL S2PB302085009	2-PE-30-002C Room 208	2-PE-(-18)-002B Room 111	No Comp Measures Req'd
PENETRATION SEAL S2TB302032006	2-TB-30-153 Room T2-203	2-YD-30-200A Room NORTH	No Comp Measures Req'd
PENETRATION SEAL S2TB302033005	2-TB-30-153 Room T2-203	2-TB-07-148 Room T2-201	No Comp Measures Req'd
PENETRATION SEAL S3DF20N3004	3-DG-20-159 Room VAULT A	3-DG-20-160 Room VAULT B	
PENETRATION SEAL SAAC091062025	2-AC-09-017 Room 106	3-AC-09-006 Room 111B	
PENETRATION SEAL SAAC091063002	2-AC-09-017 Room 106	3-AC-09-006 Room 111B	
PENETRATION SEAL SAAC091064005	2-AC-09-016 Room 105	2-AC-09-017 Room 106	
PENETRATION SEAL SAAC091064053	2-AC-09-016 Room 105	2-AC-09-017 Room 106	
PENETRATION SEAL SAAC09111B1017	2-AC-09-005 Room 111A	3-AC-09-006 Room 111B	
PENETRATION SEAL SAAC09111B5002	3-AC-09-006 Room 111B	2-YD-30-200B Room DUCT BANK	No Comp Measures Req'd
PENETRATION SEAL SAAC091171004	2-AC-09-011 Room 117	2-AC-09-016 Room 102	
PENETRATION SEAL SAAC091172002	2-AC-09-011 Room 117	2-AC-09-016 Room 105	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
PENETRATION SEAL SAAC091172007	2-AC-09-011 Room 117	2-AC-09-016 Room 105	
PENETRATION SEAL SAAC091172017	2-AC-09-011 Room 117	2-AC-09-016 Room 105	
PENETRATION SEAL SAAC091172020	2-AC-09-011 Room 117	2-AC-09-016 Room 105	
PENETRATION SEAL SAAC302035001	2-AC-30-020A Room 203	2-AC-09-017 Room 106	
PENETRATION SEAL SAAC302193001L	2-AC-30-022 Room 221	2-AC-30-023 Room 219	
PENETRATION SEAL SAAC302202022	2-AC-30-020A Room 227	3-AC-30-020B Room 220	
PENETRATION SEAL SAAC302205004C	3-AC-30-020B Room 220	3-AC-09-006 Room 111B	
PENETRATION SEAL SAAC302205006	2-AC-30-020B Room 220	3-AC-09-006 Room 111B	
PENETRATION SEAL SAAC302241007	2-AC-30-022 Room 221	3-AC-30-021 Room 224	
PENETRATION SEAL SAAC302241097	2-AC-30-020A Room 227	3-AC-30-021 Room 224	
PENETRATION SEAL SAAC302242004O	2-AR-37-102A Room 308D	3-AC-30-021 Room 224	
PENETRATION SEAL SAAC302295075	2-AC-30-020 Room 229	2-AC-09-005 Room 111A	
PENETRATION SEAL SAAC302295109	2-AC-09-005 Room 111A	2-AC-30-020A Room 229	
PENETRATION SEAL SAAC302322012A	2-AC-30-020A Room 229	2-AC-30-020C Room 232	No Comp Measures Req'd
PENETRATION SEAL SAAC302325006	2-AC-30-020C Room 232	2-AC-09-005 Room 111A	
PENETRATION SEAL SAAC302325007	2-AC-09-005 Room 111A	2-AC-30-020C Room 232	
PENETRATION SEAL SAAC302363016	2-AC-30-020A Room 229	2-AC-30-028 Room 236	
PENETRATION SEAL SAAC302363025	2-AC-30-020A Room 229	2-AC-30-028 Room 236	
PENETRATION SEAL SAAC302363082	2-AC-30-028 Room 236	2-AC-30-027 Room 234	
PENETRATION SEAL SAAC302365004	2-AC-09-014 Room 110	2-AC-30-028 Room 236	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
PENETRATION SEAL SAAC302365016	2-AC-30-028 Room 236	2-AC-09-014 Room 110	
PENETRATION SEAL SAAC302405008A	2-AC-30-020A Room 240	2-AC-09-005 Room 111A	
PENETRATION SEAL SAAC302405009A	2-AC-30-020A Room 240	2-AC-09-005 Room 111A	
PENETRATION SEAL SAAC302405009B	2-AC-30-020A Room 240	2-AC-09-005 Room 111A	
PENETRATION SEAL SAAC392381007	2-AC-30-020A Room 240	2-AC-39-020D Room 238	
PENETRATION SEAL SAAC392381009	2-AC-39-020D Room 238	2-AC-30-020A Room 240	
PENETRATION SEAL SAAC50302A2004	2-AC-50-029 Room 303A	2-AC-50-035 Room 302A	
PENETRATION SEAL SAAC50305A2011	2-AR-50-036 Room 305A	2-AR-50-037 Room 305	
PENETRATION SEAL SAAC503155013E	3-AC-30-032 Room 224	3-AC-30-032 Room 315	
PENETRATION SEAL SAAC704203004	2-AC-70-064 Room 411	2-AC-70-064 Room 420	
PENETRATION SEAL SAAC704213004	2-AC-70-064 Room 421	2-AC-70-064 Room 411	No Comp Measures Req'd
PENETRATION SEAL SAAC704493011	2-AC-70-175 Room 461	3-SE-50-146 Room	No Comp Measures Req'd
PENETRATION SEAL SAAC704494019	2-AC-70-175 Room 461	3-AC-70-065 Room 449	
PENETRATION SEAL SAAC704494029	2-AC-70-175 Room 461	3-AC-70-065 Room 449	
PENETRATION SEAL SAAC704495006A	3-AC-50-032 Room 315	3-AC-70-065 Room 449	
PENETRATION SEAL SAAC7046111101	2-AC-70-175 Room 461	2-AC-70-064 Room 443	No Comp Measures Req'd
PENETRATION SEAL SARW37305E1002	2-AR-37-102A Room 305E	2-AR-37-102A Room 303	
PENETRATION SEAL SARW37305N1002	2-AR-37-102A Room 305N	2-AR-37-102A Room 318	
PENETRATION SEAL SARW37305N1005	2-AR-37-102A Room 305N	2-AR-37-102A Room 318	
PENETRATION SEAL SARW50403H5002	2-AR-50-111A Room 403H	2-AR-37-102A Room 305H	

LCS 3.7-1XX TABLE 3
BARRIERS WITH NO EQ/MISSILE FUNCTIONS

BARRIER	AREA 1	AREA 2	REMARKS
PENETRATION SEAL SARW63507A3050	2-AR-63-116 Room 507A	2-AR-63-116 Room 507B	
SLEEVE	2-AC-30-020A Room 208	3-AC-30-020B Room 220	
SLEEVE	2-AC-70-064 Room 442	2-AC-50-061 Room 306K	UNGROUTED FLOOR CORE DRILL
SLEEVE	2-TB-30-153 Room T2-203	2-YD-30-200A Room NORTH	No Comp Measures Req'd
VAULT PLUG	2-DG-20-159 DG TANK VAULT	2-YD-30-200A YARD AREA	Includes walls, roof and penetration seals
VAULT PLUG	2-DG-20-160 DG TANK VAULT	2-YD-30-200A YARD AREA	Includes walls, roof and penetration seals
VAULT PLUG	3-DG-20-159 DG TANK VAULT	2-YD-30-200B YARD AREA	Includes walls, roof and penetration seals
VAULT PLUG	3-DG-20-160 DG TANK VAULT	2-YD-30-200B YARD AREA	Includes walls, roof and penetration seals
WALL	2-AC-30-020A Room 227, 229	2-AR-09-018 Room 111A - 111D	
WALL	2-AC-30-020A Room 229	2-AC-30-002B Room 236	
WALL	2-AC-30-020A Room 230	2-AC-30-020A Room 240	No Comp Measures Req'd
WALL	2-AC-50-036 Room 305A	2-AC-50-035 Room 302A	
WALL	2-AC-50-037 Room 305	2-AC-50-040 Room 308A	
WALL	2-AC-50-037 Room 307	2-AC-50-038 Room 309A	
WALL	2-AC-50-049 Room 306D	2-AC-50-046 Room 310B	
WALL	3-AC-30-021 Room 224	2-AR-09-081 Room 111D	Includes penetration seals