ENVIRONMENTAL DESIGN CRITERIA

FOR THE

HOPE CREEK GENERATING STATION

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

NEWARK, NEW JERSEY

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BECHTEL

PUBLIC SERVICE ELECTRIC AND GAS COMPANY
HOPE CREEK GENERATING STATION

JOB No. 10855

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SHEET 1 OF 9

SHEET	LATEST REV.	SHEET	LATEST REV.	SHEET	LATEST REV.	SHEET	LATEST REV.	SHEET	LATEST REV.	SHEET	LATEST REV.	SHEET	LATEST REV.
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I. SCOPE

A. This document specifies the bounding plant indoor environmental data to be used for the design and procurement of Bechtel supplied equipment. This document provides the basis for the overall E.Q. program. During the procurement cycle, the equipment location is determined so that the environmental condition may be extracted from the appropriate tables. Certain equipment however may not be qualified to the stated environmental conditions. See paragraphs IIC, IIIC and IVA for further details.

B. Seismic and missile design requirements are not included in the scope of this document.

C. The plant environmental conditions contained in this document have been taken from the following sources.

1. Normal Conditions - Bechtel design criteria or calculations for the heating and ventilating and radiation shielding design for Hope Creek Unit 1.

2. Abnormal Conditions - Bechtel design criteria or calculations performed to bound the environment caused by such an event. Abnormal condition calculations were performed for areas containing or affecting safety-related equipment.

3. Design basis event (DBE) conditions - Bechtel design criteria or calculations of bounding environment for the DBEs are identified in Table 2. The bounding environment for other than radiation conditions is always due to a pipe break, e.g., PBIC, PBOC, instrument line break. The LOCA is always the bounding condition for post-accident radiation conditions, with the following exceptions:

   a. HPCI and RCIC system doses are determined by the anticipated transient without a scram (ATWS) accident.

   b. Spent fuel pool cleaning and cooling system doses are determined by the fuel handling accident.

4. General Electric document 22A2928, Revision 2, BWR Equipment Environmental Interface Document

5. General Electric document NEDO-10698, Environmental Qualification of Class I Control and Instrumentation Equipment

6. Reactor building flood levels - Bechtel calculations defining flood depths

D. This document does not describe the requirements for methods of qualifying equipment to environmental conditions. These requirements are contained in other design criteria and specifications.

II. DESCRIPTION

A. Incorporation of appropriate environmental design data is necessary to ensure proper functional performance of the system or equipment during all design modes of operation.

B. This document indicates certain conditions to which the equipment may be exposed and may be required to operate, but does not provide loading combinations for the design of safety related structures.

C. Special cases not covered by this document may be necessary for some equipment or special locations. See Paragraph IA.

III. REQUIREMENTS

Equipment shall be designed and tested to meet the requirements of 10 CFR 50, Appendix A, General Design Criteria 4 titled "Environmental and Missile Design Basis."

In order to meet the above requirements, the environmental conditions have been specified for three event categories: normal, abnormal and design basis event. The three categories are defined and discussed in the following sections.

A. Normal Conditions

Normal environmental conditions are defined as those conditions existing during routine plant operations including startup, shutdown, refueling and maintenance operations. Under these conditions systems and components required to shutdown the reactor and maintain it in a safe shutdown condition and which also have to mitigate the consequences of a design basis event (DBE) shall be designed to remain functional after exposure to the most extreme environmental normal conditions that can occur and under which the component must function. These environmental conditions are as follows:

1. Temperature, pressure, and humidity must be at least as high as the maximum design conditions maintained at the equipment location by the cooling or ventilating systems during normal operation.

2. Maximum expected integrated radiation doses must be as high as the predicted 40 years dose at the equipment location during normal operation (i.e. 100% load factor and 100% of rated power). The same criterion also applies to the expected maximum dose rates.

B. Abnormal Conditions

Abnormal conditions are those that may be experienced during the operating lifetime of the plant. These conditions are anticipated operational occurrences, such as loss-of-offsite power, see Table 1, and should not be interpreted to be accident conditions. Equipment required for a safe shutdown of the plant shall be designed to remain functional during the abnormal environmental conditions to which it may be exposed as shown in Table 6.

1. Temperature, pressure, and humidity must be at least as high as the conditions maintained at the equipment location by the cooling or ventilating system under the abnormal condition.

2. Abnormal event radiation doses and dose rates, where identified, are included in the normal doses and dose rates reported in Table 6.

The total duration of an abnormal condition will be the algebraic sum of all dependent, and succeeding events initiated by any postulated abnormal event. For a discussion of some of these occurrences and their duration, see Section V.

C. Design Basis Event Conditions

The design basis event (DBE) conditions are those that would exist during an accident event, see Table 2. The DBE conditions shown in Table 6 are those that would exist for the most severe pipe break with the exceptions as delineated in Section I.C.3. For the duration of DBE environmental conditions two different periods are used. For temperatures, pressures and humidities a conservative duration of 100 days is applied. Ambience is reached at the end of this period. For the post-accident integrated radiation exposures a period of 180 days is used. The systems and components required to mitigate the consequences of the DBE shall be designed to remain functional after exposure to the following environmental conditions:

1. Temperature, pressure, and humidity must be as high as expected after a DBE. The expected temperature, pressure and humidity should be applied for a period of 100 days following a DBE. For some specific components however, the temperature, pressure, or humidity may be reduced to cover just their required functional period after the accident.

2. Maximum expected total integrated radiation doses (TID), in general, should be as high as predicted for a 180 day period following a LOCA. However, for some specific components, the TID can be reduced to cover just their functional period after the accident which may be much less. The radiation source terms and calculation methodology are based on the requirements of NUREG 0588.

Post LOCA doses are calculated to 180 days by which time the total integrated doses have essentially saturated. Not all safety related equipment is required to function for this entire period but none should fail during the 180 day period in a way that would jeopardize a safety function.

IV. USE OF TABLES 1 THROUGH 7

A. General

Care should be exercised when extracting information from the tables. The conditions are those that would exist in the specific area during normal, abnormal, and the most severe DBE conditions. The data provided in this DITS was obtained from an area or room by room analysis of the most severe heating/cooling loads. This conservatively bounds the environment caused by postulated events. As a result, certain equipment may actually experience a less severe environment than that specified in this DITS. When detailed calculations or documentation exists to justify a less stringent environment, then these lower values may be used when necessary to qualify specific equipment. Examples of these situations follow:

1. Certain equipment will not be required to operate for the entire 100 or 180 days following the DBE. The conditions specified will reflect only that time the equipment is required to operate.

2. Some equipment which is part of the primary containment boundary and which is located outside primary containment but inside the reactor building takes suction from the drywell (e.g., hydrogen recombiner) or suppression pool (e.g., RHR pump). This equipment will have the surrounding environmental conditions specified in addition to the internal conditions (radiation, temperature, and pressure) due to its communication with primary containment. Depending on the equipment's function, this could apply to normal, abnormal, and DBE or only DBE conditions.

3. Materials that are purchased for several locations, such as valves, could have conditions specified for the most extreme environment any single item will experience. For example, nuclear class valves that will be located in both the drywell and reactor building could have the drywell conditions specified in the

procurement documents for qualification purposes. A general envelope to be used for equipment located in more than one building is presented in Sections X.A-C.

Some of the conditions described in 1 through 3 above are outside the scope of this document and will have to be developed on a case by case basis and will have to be documented in design criteria and specifications, as required.

B. Margin

Margin is defined as the difference between the most severe specified service conditions of the environment and the conditions used in type testing to account for normal variations in commercial production of equipment and reasonable errors in defining satisfactory performance. The following applies to margin as addressed by this document:

1. Any conservatism included in the development of the conditions specified may not be considered margin. These tables, therefore, do not include margin. Margin must be addressed by the procurement documents or the vendor's qualification plan.

2. A method of including margin acceptable to the NRC is presented in NUREG-0588.

V. ADDITIONAL ENVIRONMENTAL CONDITIONS

There are several additional conditions that could exist during the operating life of the plant. These conditions have the potential to affect equipment qualification. These conditions are identified and defined along with any limitation on their use in the following sections:

A. Design Basis Tornado (DBT)

The design basis tornado is considered to be one of the design basis events. However, the depressurization resulting from the tornado is not included in Table 6. Depending on the translational velocity of the tornado, the entire plant or only portions will experience the maximum depressurization of -3 psig (11.7 psia). The duration of the DBT is from 3 seconds up to one (1) minute.

Although discussed above to some extent, it is not necessary to specify the DBT as one of the environmental conditions in procurement documents for equipment as the depressurization is not expected to be so severe as to have an effect on the safety-related systems. A plant specific tornado depressurization study has shown that damage resulting from the DBT will be limited to non pressure tight doors springing open and some HVAC ducting experiencing deformation.

B. Equipment Submergence

1. Drywell

Submergence is generally not considered to be applicable to the drywell. Any water that would be introduced into the drywell during normal operation would be removed by the sump pumps. In the event of sump pump failure, the water level would reach a depth of approximately one (1) foot when it would begin to flow through the drywell vents to the suppression pool.

2. Reactor Building

The flood levels for the reactor building and main steam tunnel are presented in Table 7. These levels are based on the largest moderate energy line in a compartment breaking and blowing down for 30 minutes before isolation occurs. The levels shown in Table 7 include a 50% safety factor over the calculated levels. The equipment function should be very carefully considered before specifying that qualification for submergence is required. In general, any equipment that has the potential of being submerged will not be required to operate after submergence.

3. Control, Auxiliary and Turbine Buildings

Internal flooding for the control and auxiliary buildings need not be considered for equipment qualification. All flooding potentials were examined during the separation review program, and it was determined that there is no accident

scenario severe enough to flood safety related equipment and components located in these buildings. There are no essential safety related components located in the turbine building.

4. External Flooding

Flooding of the reactor, control and auxiliary buildings from external sources need not be considered as all entrances, openings etc. into these buildings have been designed watertight up to the highest flood level of elevation 126.2 feet. There are no essential safety related equipment or components in the turbine building.

C. Dust

In a nuclear power plant there are three major sources of dust: transport from outside the plant through the ventilation system; deterioration of uncoated concrete floors and; residue from maintenance activities. However, for the reasons discussed below, dust is not expected to be a factor in equipment qualification.

1. Plant Ventilation

All major ventilation units supplying the plant with outside air have two filters in series to insure the cleanliness of the air. The first, or low efficiency, filter has a minimum rating of 55% removal and the second, high efficiency, filter has a rating of 80-85% efficiency. Certain HVAC units such as the reactor building ventilation system (RBVS) have a higher rated first filter for additional air cleanliness. The ducting for these systems is arranged in such a manner that the recirculated air is mixed with the outside air before the HVAC filters. This will guard against any contamination from compartments where dust may exist. The pressure drop across the filters is monitored by pressure differential indicators so that the filters may be replaced to ensure that the air quality will not be degraded.

2. Concrete Coatings

In general, areas containing equipment that may be sensitive to dust, such as electrical switchgear, will have the floors coated with a sealing medium. Surfaces that are not coated in the above manner but are subject to radiological contamination are coated with a material intended to ease the decontamination process which will also minimize dust generation.

3. Housekeeping

Housekeeping, cleanliness, and fire protection administrative procedures will prevent the accumulation of debris during normal operation and subsequent maintenance.

4. Equipment Maintenance

The equipment suppliers of equipment known to be sensitive to dust shall be requested to provide cleaning and maintenance procedures to prevent dust accumulation.

D. Non-Seismic Vibration

Individual equipment vibration is not anticipated to be a condition affecting other equipment qualification. Piping or equipment in the plant is supported so that any vibration originating at rotating equipment is restricted by the supports. Any vibration that is identified during startup testing or operation will be considered at that time and the necessary corrective measures will be taken. A separate program will be developed for addressing and analyzing the non-seismic vibrations on a case by case basis for those cases where there are no corrective measures available.

E. Loss of HVAC

All areas containing safety-related equipment with the exception of the diesel generator electrical switchgear, battery and remote shutdown panel rooms, are supplied by redundant HVAC systems. (Redundancy is achieved through availability of extra equipment train.) Loss of a HVAC system is assumed to occur once per year for 24 hours per occurrence.

F. Loss-of-Offsite-Power (LOP)

Loss-of-offsite power will occur when all power on the offsite power distribution system is lost. This occurrence will cause the diesel generators to start and supply power to those systems that are safety-related and a small number of non-safety related systems. The conditions described in the abnormal conditions section of Table 6 will occur during this time. A LOP is conservatively assumed to occur four (4) times during the 40 year plant life for 12 hours per occurrence.

VI. REACTOR BUILDING ENVIRONMENT

A. Outside Primary Containment/Inside Reactor Building

1. Normal Conditions

a. Normal conditions are listed below:

	Temperature (degrees F)	Pressure (inch WG)	Humidity (%)
Maximum	115	1.0	90
Average	varies	-0.25	40
Minimum	40	-0.25	20

The above conditions are for the general reactor building environment. The minimum temperature of 40°F is both for shutdown and operating conditions. The 115°F temperature also envelopes the conditions existing during equipment testing. The area specific conditions, including maximum radiation dose rates and total integrated doses are shown in Table 6.

b. Rooms which have the potential of spreading radioactive material (air, vapor, etc.) to adjacent rooms with lower concentrations of radioactivity will be kept at slightly negative pressures to prevent contamination of adjacent areas. The pressure range for these rooms is -0.1 to -0.25 inch WG.

2. Abnormal Conditions

The anticipated events leading to abnormal conditions are listed in Table 1.

The abnormal conditions existing at the various locations in the reactor building are shown in Table 6.

Temperature	Pressure	Humidity
Varies	atmospheric	100% maximum 20% minimum

The specific temperatures are listed in Table 6.

3. DBE Conditions

Safety related systems that are required to operate following a design basis event (DBE) shall be capable of operating in the conditions associated with that event and after performing its function, shall not fail in a way that would jeopardize a safety function. DBE conditions can be grouped into two categories, bulk environmental conditions and local steam conditions which are described below.

a. Bulk Atmosphere Condition

This DBE atmospheric condition is experienced uniformly throughout the entire building excluding those rooms containing high energy line breaks. Equipment needed for safety related system operation, such as pumps, valves, motors, wiring, controls and instrumentation, as a minimum requirement shall be capable of operation for the required duration and subsequently

shall remain in a safe condition, when subjected to an accident environment of 148°F at 100% relative humidity for 30 minutes and 148°F and 95% relative humidity for the remainder of the 100 days. Operator action accounts for the decrease in the relative humidity after 30 minutes.

b. Local Steam Conditions

This atmospheric condition is experienced locally for a pipe break inside a room or in the path that steam takes in escaping from the room. Temperatures in these areas will be much higher than the bulk atmospheric conditions experienced uniformly throughout the plant.

Under this condition, safety related system equipment shall be capable of functioning for the required duration and shall subsequently remain in a safe condition when subjected to the local (proximity to break) steam environmental conditions if the equipment is:

(1) Required to detect a failure;

(2) Required to perform and/or maintain isolation function;

(3) Required to perform a water line isolation function and could be subjected to the steam environment, such as electrical cable or valve operator;

(4) Required for safety related system operation, and is located so a failure in some other system exposes the safety related system equipment to the local accident environment.

(5) Required to track the post accident environment conditions, such as pressure, temperature, and radiation monitors.

(6) Required to control the environmental consequences of the failure.

The local steam environment from a steam line break can have higher localized room temperatures and pressures as shown in Table 6. The maximum temperatures and pressures shown in Table 6 as X-30 minutes represent a temperature or pressure of X for 30 minutes with a temperature of 148°F and pressure of 0 psig for the remainder of the 100 day DBE, one exception is in torus compartment area. Temperatures may be either 302°F for 30 minutes, or 175°F for 9 days. 148°F would always follow for the remainder of the 100 days. Max relative humidity of 100% has a duration of 6 hours to account for the time to complete vessel depressurization.

The worst DBE conditions must be used to qualify walls, isolation dampers, and isolation valves which are located in these areas. Nonsafety-related equipment is not expected to function.

c. Radiation Conditions

The radiation conditions existing inside the reactor building for a DBE are presented in Table 6.

B. Inside Drywell

1. Normal Conditions

a. Temperature, Pressure and Humidity Conditions

	Temperature (degrees F)	Pressure (psig)	Humidity (%)
Maximum	150	2.0	90
Average	135	0	50
Minimum	40 (not operating) 60 (operating)	-0.5	20

b. Radiation Conditions (outside Bioshield)

Total integrated gamma plus neutron dose: 2.5×10^7 rads/40 yr. (4.2×10^6 rads for neutrons). 12

Total integrated neutron fluence: 4.2×10^{14} neutrons/cm^2 for 40 years ($\geq$1.0 MeV)

2. Abnormal Conditions

a. Temperature, Pressure and Humidity Conditions

The temperature and pressures in the drywell resulting from a loss of offsite power (LOP) event are shown in Figures 6 and 7. The humidity will be in the range of 20 to 90%.

b. Radiation Conditions

The radiation exposure does not increase above the normal operating levels during LOP event.

3. DBE Conditions

a. Temperature, Pressure, and Humidity Conditions are provided in table 5.

These environmental conditions are based on a combination of DBE's to ensure conservative bounding values. The 100% Relative Humidity for 100 days is also conservative, and encompasses that environment produced by containment spray actuation.

b. The primary containment post-LOCA total integrated doses (TID) and dose rates are provided in Table 4.

Both gamma and beta doses were calculated for the primary containment. The doses were calculated by assuming that 100% of the

core noble gas inventory, and 50% of the core halogen inventory are initially released to the drywell atmosphere in accordance with NUREG-0588. The time-dependent and location-dependent distritution of the radioactivity is then calculated mechanistically using the methodology described in NUREG-0588, Rev. 1, Section 1.4 and Appendix D.

The beta doses and dose rates were calculated assuming a semi-infinite cloud geometry. For most components, the beta doses in Table 6 can be reduced by performing a detailed study which accounts for the actual geometry and thickness of the component. In addition (See Reference S), the beta contribution may be reduced or neglected provided:

i. The material of interest is enclosed in a hermetically sealed enclosure with a thickness equivalent to at least 70 mils of material with a density of one, or

ii. The component will not be affected by changes within a distance equivalent to 70 mils of its surface with unit density material.

iii. For materials enclosed in a housing the beta plateout dose can generally be neglected.

In all cases the supplier shall justify any beta reduction factor used in equipment qualification.

4. Section VI.B and Tables 3, 4 and 5 are to be used for specifying the conditions to be used in equipment qualification for the primary containment. Figures 1 and 2 are a generic set of conditions which envelope the environmental conditions in a BWR drywell. The design conditions, other than the radiation environment, for coatings are based on a small

reactor coolant pressure boundary (RCPB) line break in the drywell which does not immediately depressurize the reactor pressure vessel (RPV). Both drywell spray trains spraying 75°F water with 100% efficiency into a drywell purged of air is conservatively assumed. These conditions are more severe than a DBE because the coating is subjected to a longer time at temperature and pressure followed by a high depressurization rate. The radiation environment to which coatings are to be qualified are those in Tables 4.

C. Inside Torus (Wetwell)

1. Normal Conditions

a. Temperature, Pressure and Humidity.

	T (°F)	P (psig)	H (%)
Maximum	150	+2.0	90
Average	100	varies	varies
Minimum	40	-0.5	20

b. Radiation Conditions

Total integrated gamma dose:
3.5×10^5 rads (40y)]2

2. Abnormal Conditions

a. The abnormal conditions for the torus areas will be enveloped by the temperature and pressure functions shown in Figures 6 and 7. Humidity range will be same as under normal conditions.

b. Radiation Conditions

The radiation exposures will not increase above the normal operating levels.

3. DBE Conditions

a. Figures 8 and 9 show the temperature and pressures inside the torus (wetwell) following a LOCA. Humidity will be 100% for 100 days following the DBE.

b. Radiation Conditions

For the 180 days following the DBE the total integrated doses are:

6.3×10^6 rads (Gamma)

3.5×10^8 rads (Beta)]△2

VII. AUXILIARY BUILDING ENVIRONMENT

A. Radwaste Areas

1. Normal Conditions

During normal conditions, the temperature in most parts of the radwaste area will be between 40 and 115°F. The pressure in these areas will be atmospheric and the humidity will be between 20 and 90%. These conditions are intended to envelope the most severe normal operation conditions in these areas. Specific conditions may be less severe and are shown in Table 6.

2. Abnormal Conditions

The only abnormal condition directly and noticeably affecting the radwaste areas of the auxiliary building would be a loss of HVAC. Temperatures could rise to a maximum of 120°F.

3. DBE Condition

A number of safety related components are located at the lower elevations of the radwaste areas. Also, the post-accident sampling station is located in the radwaste areas.

Temperature, pressure and humidity conditions

will not be significantly more severe than during normal operation or abnormal events. Radiation levels, however, will increase due to direct radiation shine from the reactor building and from airborne cloud activities. Integrated DBE radiation doses for the general radwaste areas are: Gamma 1.0 Rads/180d and Beta 20 Rads/180d. (due to environmental airborne activities only) Radiation levels at the post accident sampling station area will be higher.

B. Diesel Generator Areas

1. Normal Conditions

Temperatures will be maintained between 40 and 104°F, except the diesel generator and H&V equipment rooms which will reach a maximum of 120°F. Certain other rooms such as battery rooms will have more stringent temperature requirements. Specific conditions may be found in Table 6. The total integrated dose for 40 years is 180 rads.

2. Abnormal Conditions

The temperatures in the diesel generator area will reach 120°F during diesel generator operation. The pressure will be atmospheric but may vary between 0.25 and -0.25 inch water and the relative humidity will be between 20 and 90%. A minimum of 40°F may be reached if a loss of heating occurs. CO_2 injection will result in a lower local temperature, however, no specific temperature need be specified. Fire protection equipment will be specified for this service.

3. DBE Conditions

The conditions in the diesel generator area will not be significantly more severe during a DBE than during normal operation. The DBE radiation level in this area is due to the environmental airborne doses, which will be 0.6 rad/180d for gammas and 20 rads/180d for betas.

C. Service Areas

1. Normal Conditions

The temperatures will be maintained between 68 and 80°F for personnel areas and 60 and 104°F for equipment areas. The pressure in these areas will be atmospheric and the relative humidity will be between 20 and 90%. The total integrated, 40 year dose for these areas will be 180 rads and 880 rads for uncontrolled and controlled areas respectively. Specific conditions for these areas can be found in Table 6.

2. Abnormal Conditions

A minimum of 40°F may be reached if a loss of heating occurs.

3. DBE Conditions

The DBE radiation level in this area is due to the environmental airborne doses. They are 0.6 rad/180 days for gammas and 20 rads/180 days for betas.

D. Control Area and Technical Support Center

1. Normal Conditions

Temperature in the control room will be maintained at 76°F $\pm$2°F, with the relative humidity between 40 and 50%. The pressure will always be higher than the surrounding areas. The total integrated dose will be 180 rads for 40 years.

2. Abnormal Conditions.

The control room will maintain a temperature of 76°F $\pm$2°F during abnormal conditions. The pressure and humidity ranges also will not differ from those during normal operation. Other locations in the control area will be maintained at different temperatures depending on specific services. These conditions are presented in Table 6.

3. DBE Conditions

The temperatures in the control room will be maintained the same as those for normal operation. The pressure will be positive to guard against the possibility of inleakage of airborne contamination. The radiation dose resulting from the DBE will be less than 20.0 rads. Humidity ranges will not differ from those during normal operation.

VIII. TURBINE BUILDING ENVIRONMENT

A. Normal Conditions

During normal operation, temperatures will be maintained between 40 and 104°F, except in some of the high radiation areas where a maximum of 120°F will be maintained. Pressure will be 1" water gauge maximum -0.1" water gauge minimum. Relative humidity will be between 20 and 90%. These general conditions are specified to envelope the most severe normal operation conditions of any in the area. Specific areas may have less severe conditions as identified in Table 6. The total integrated doses for the various areas in the turbine building are given in Table 6.

B. Abnormal Conditions

The only safety-related components located inside the turbine building are reactor protection system switches on the main turbine and condenser. None of the anticipated abnormal events listed in Table I will create environmental conditions inside the turbine building which could prevent the reactor protection system from performing its safety function.

C. DBE Conditions

The only safety-related components located inside the turbine building are reactor protection system switches on the main turbine and condenser. None of the postulated design basis events listed in Table 2, will create environmental conditions inside the turbine building which could prevent the reactor protection system from performing its safety function.

IX. INTAKE STRUCTURE

A. Normal Conditions

During normal conditions, the temperature in the intake structure (except fan rooms) will be between 40 and 104°F. During shutdown conditions, the temperature will be maintained at 60°F or higher. The pressure in this structure will be atmospheric and the humidity is not controlled and will be the same as ambient. The total radiation exposure for this area will be 180 rads over the 40 year design life. The room specific temperatures can be found in Table 6.

B. Abnormal Conditions

The abnormal conditions are shown in Table 6. The pressure will be atmospheric and humidity will be between 20 and 100%.

C. DBE Conditions

The temperatures, pressures and humidity will be the same as for normal operating conditions. The radiation doses in this area are negligible.

X. GENERAL BUILDING ENVIRONMENT

There are specifications which cover equipment located in several areas and buildings throughout the plant. To avoid assigning different environmental conditions for each piece of equipment, a single set of conditions may be assigned to cover all areas except the intake structure. It should be noted that these conditions are specified to envelope the most severe conditions and individual areas may have less severe conditions. If necessary, a note will be added in procurement documents stating that these conditions will be used in qualification unless area specific conditions are used.

A. Normal Conditions

	Temperature (degrees F)	Pressure (inch WG)	Humidity (%)
Maximum	120	1.0	90
Minimum	40 (5° room 5423)	-0.25	5

Total integrated dose: 2.0×10^7 rads/40y

B. Abnormal Conditions

Temperature: 148°F (195°F room 4416)
Pressure: +1.0 inch WG to -0.25 inch WG
Humidity: 100%

C. DBE Conditions

Temperature:	340°F for 30 minutes 175°F from 30 minutes to 9 days 148°F from 9 days to 100 days
Pressure:	16.3 psig for 30 minutes 0 psig from 30 minutes to 100 days
Humidity:	100% for 6 hours 95% 6 hours to 100 days

DBE integrated dose:

Shine: 3×10^7 rads (180 days)

Airborne:

Gamma - 2.5×10^4 rads (180 days)

Beta - 1.1×10^6 rads (180 days)

Examples of areas outside the drywell that exceed 50 rads/hr or $2.0 \times 10+^7$ rads/40 yrs are:

RWCU backwash receiver TK room,

RWCU phase separator room,

Spent fuel storage pool,

RWCU filter/demin cubicle,

Air ejector room

Waste sludge separator room

Primary recombiner cells

Offgas holdup delay pipe chase

Drum storage hayloft

Table 6 shall be used to determine the exceptions to the above conditions. The above conditions shall not be used for equipment which will only be placed in a single location. A sample environmental data sheet to be used with each specification is shown in Figures 3 and 4.

XI. GENERAL CRITERIA, STANDARDS AND GUIDES

A. The following IEEE Standards, NRC documents, and Hope Creek project specifications are to be referred to as applicable for environmental qualification of equipment. However, it is not to be considered all inclusive.

1.	IEEE Std 278, dated 1967	Guide to Classifying Electrical Materials Exposed to Neutron and Gamma Radiation
2.	IEEE Std 317, dated 1976	Electrical Penetration Assemblies in Contain ment Structures
3.	IEEE Std 323, dated 1971	Standard for Qualifying Class IE Equipment for Nuclear Power Stations
4.	IEEE Std 334, dated 1974	Type Test of Continuous Duty Class I Motors
5.	IEEE Std 382, dated 1972	Type Test of Class I Electric Valve Operators
6.	IEEE Std 383, dated 1974	Class IE Electric Cables, Field Splices, and Connections
7.	Hope Creek Specifi-cation 10855-G-013(Q)	Environmental Qualifi cation of Safety Related Equipment
8.	Regulatory Guide 1.89, November 1974, Rev. 0	Qualification of Class IE Equipment for Nuclear Power Plants

9. NUREG 0588 — Interim Staff Position on Environmental Qualification of Safety Related Electrical Equipment

B. Ducts and dampers used for ventilation are subjected to different environmental conditions:

1. Normal conditions inside and outside the ducts and

2. Conditions inside and outside the ducts for a DBE.

In order for the manufacturer to properly qualify the equipment to the most stringent conditions all of the above information must be given on a data sheet shown in Figure 4.

C. All reactor building isolation valves must be bubble tight for a negative pressure of 0.25 inch WG.

XII. REFERENCES

A. GE Documents 22A2928, Revision 2, "BWR Equipment Environmental Interface Data".

B. GE Document NEDO-10698 "Environmental Qualification of Class I Control and Instrumentation Equipment".

C. Bechtel Design Guide N2.2.2 "Pressure and Temperature Conditions for Environmental Qualifications of Coatings Inside BWR Containments with a Generic Set of Conditions for both BWRs and PWRs".

E. Hope Creek Design Criteria 10855 D2.2, "Design Criteria for Reactor Building".

F. Hope Creek Design Criteria 10855-D3.47 "Turbine Building Heating, Ventilating, and Cooling Systems (HAVC)".

G. Hope Creek Design Criteria 10855-D3.48, "Reactor Building HVAC".

H. Hope Creek Design Criteria 10855-D3.48A, "Technical Support Center HVAC".

I. Hope Creek Design Criteria 10855-D3.49, "Drywell Cooler System".

J. Hope Creek Design Criteria 10855-D3.50, "Auxiliary Building Control Area HVAC".

K. Hope Creek Design Criteria 10855-D3.51, "Auxiliary Building Diesel Generator HVAC".

L. Hope Creek Design Criteria 10855-D3.52, "Auxiliary Building Radwaste Areas HVAC".

M. Hope Creek Design Criteria 10855-D3.53, "Auxiliary Building Service Area HVAC".

N. Hope Creek Design Criteria 10855-D3.54, "Administrative and Miscellaneous Areas HVAC".

O. Hope Creek Design Criteria 10855-D3.57A, "Service Water Intake Structure and Miscellaneous Yard Buildings HVAC".

P. Nuclear Regulatory Commission Regulatory Guide 1.3 "Assumptions Used for Evaluating the Potential Radiological Consequences of a Loss-of-Coolant Accident in a Boiling Water Reactor".

Q. Nuclear Regulatory Commission Regulatory Guide 1.76 "Design Basis Tornado for Nuclear Power Plants".

R. Nuclear Regulatory Commission Regulatory Guide 1.117 "Tornado Design Classification".

S. NRC Bulletin No. 79-01B, "Guidelines for Evaluating Environmental Qualification of Class IE Electrical Equipment in Operating Reactors," January 14, 1980.

Table 1

Anticipated Abnormal Events

Inadvertent Closure of MSIV

Inadvertent Closure of All MSIVs

Pressure Regulator Fails Open

Loss of Aux. Transf. (Loss of Power)

Loss of Grid Conn. (Loss of Power)

Grid Tie-Line Disturb. & Recov.

Loss of Condenser Vacuum

Turbine Trip without Bypass

Turbine Trip with Bypass

Generator Load Reject w/o Bypass

Generator Load Reject w/Bypass

Single SRV Opens-Depressurize (SORV)

Trip of both Recirc. Pumps

Recirculation Failure Decrease Flow

Recirculation Failure Increase Flow

Feedwater (FW) Controller Fails-Max. Demand

Loss of All FW Flow

Loss of FW Heaters-Auto

Loss of FW Heaters-Manual

Trip One FW Pump & Recovery

Worst in Sequence Rod Error

Table 1 cont.

Instrument Ranging Error

Rod Withdrawn Error at Power

Inadvertent (or manual) Scram

Inadvertent HPCI Injection
Table 1 (Cont'd)

Inadvertent RCIC Injection

Loss of HVAC in Steam Tunnel

Loss of HVAC in Drywell

Loss of HVAC in Aux. Building

Loss of HVAC in Reactor Building

Loss of HVAC in Turbine Building

Table 2

Postulated Design Basis Events

Small High Energy (H.E.) Pipe Break in Drywell

Small H.E. Line Pipe Break in Reactor Building (R.B.) Outside Drywell

Large H.E. Pipe Break in Drywell

Large H.E. Pipe Break in R.B. Outside Drywell

Large H.E. Pipe Break in Outside R.B.

Open Recirc Valve in Cold Loop (Reverse Flow)

Start Recirc Pump in Cold Loop (Forward Flow)

Seizure of Recirc Pump

Inadvertent LPCS Injection

Inadvertent ADS-Depressurize

Worst ATWS-MSIV Closure No Scram, Two Pump Trip

Control Rod Accident (Drop)

Reactor Overpressure Backup Scram

Reactor Drain Shutoff

Improper Shutdown of Plant (RHR Suct thru S/RV and Supp Pool)

Improper Startup of Plant Hot RWCU

Fuel Handling Accident

Tornado

Inside Primary Containment

Condition	Component						
1	Core spray injection check valve LPCI-RHR Injection check valve, Reactor shutdown cooling suction valve including operator and cable, Relief valve including operator and cable, Vessel level indicator Structural components (e.g., loop restraints, vessel skirt, etc.)	Temperature Pressure Rel. humidity Duration (1)	340°F -2 to 62 psig 100 percent 45 seconds	340°F -2 to 35 psig 100 percent 3 hours	320°F -2 to 35 psig 100 percent 6 hours	250°F 0 to 25 psig 100 percent 1 day	200°F 0 to 20 psig 100 percent 100 days
2	Feedwater Check Valves, HPCI steam line isolation valve including operator and cable, RCIC steam line isolation valve including operator and cable, Reactor Water Clean-up suction valve including operator and cable, Reactor water sample line valve including operator and cable, Lines 2 inches and smaller (Isolation Valves, Operators, Cabling), Cables to intermediate range monitors and power range monitor Reactor vessel head spray isolation valve including operator and cable	Temperature Pressure Rel. humidity Duration	340°F -2 to 62 psig 100 percent 45 seconds	340°F -2 to 35 psig 100 percent 3 hours	320°F -2 to 35 psig 100 percent 6 hours		

Table 3 (Cont'd)

Design Basis Event Environmental Conditions

		Inside Primary Containment			
Condition	Component				
3	Main steam isolation valves including operator and cable, Main steam drain isolation valves including operator and cable, Standby liquid control injection check valve	Temperature Pressure Rel. humidity Duration	340°F -2 to 62 psig 100 percent 45 seconds	340°F -2 to 35 psig 100 percent 1 hour	
4(2)	Recirculation valves (main valves, bypass valves, equalizer valve) including operators and cables, Reactor Protection System Neutron Monitoring System	Temperature Pressure Rel. humidity Duration	340°F -2 to 62 psig 100 percent 45 seconds	340°F -2 to 35 psig 100 percent 3 hours	320°F -2 to 35 psig 100 percent 4.5 hours

Inside Primary Containment

Condition	Component	Valves not required to be operable but must not fail to open under the following conditions				
5	Feedwater check valve, HPCI and steam line isolation valves including operators and cables, Recirculation valves (main valves bypass valves, equalizer valves), including operators and cables, Reactor vessel head spray isolation valve including operator and cable, Reactor water clean-up suction valves including operator and cable, Reactor water sample line valves including operator and cable, Lines 2 inches and smaller (isolation valves, operators, cabling)	Temperature Pressure Rel. humidity Duration	250°F -2 to 25 psig 100 percent 1 day	200°F -2 to 20 psig 100 percent 100 days		
6	Main steam isolation valves including operator and cable, Main steam drain isolation valves including operator and cable, Standby liquid control injection check valve	Temperature Pressure Rel. humidity Duration	340°F -2 to 35 psig 100 percent 3 hours	320°F -2 to 35 psig 100 percent 6 hours	250°F -2 to 25 psig 100 percent 1 day	200°F -2 to 20 psig 100 percent 100 days

(1) Durations shown are termination times measured from the initiation of the postulated accident, i.e. Condition 1, the 3 hour duration is the period from 45 seconds through 3 hours, the one day duration is the period from 6 hours through 1 day (24 hours).

(2) For the recirculation valves to perform their safety function they must close following a recirculation line break, so that the core flooding can be carried out in the required time. For this safety requirement the environmental conditions will not exceed 310°F at 62 psig for 1/2 hour. The specified conditions in (4) above are to enable a normal vessel shutdown cooling procedure during a steam leak.

Table 3 (Cont'd)

The following is a compilation of basic DBE environmental pressures and temperatures together with the time durations expected. The full spectrum of simultaneous environment possibilities is not presented in a series of curves, but rather as an exposition of the boundaries within which designated equipment must operate at discrete times during the cycles/modes of the reactor's operation.

Temperatures

340°F	Upper boundary on maximum superheat temperature for a steam leak with the reactor vessel at 400 - 500 psi, containment at 50 psia
320°F	Maximum superheat temperature during shutdown cooling line flush after reactor has been depressurized to 150 psia
250°F	Maximum long term temperature in the containment during the first day following a postulated Design Basis Event
200°F	Extended long term temperature in the containment following a postulated Design Basis Event

Pressures

-2 psig	Assumed minimum pressure of the primary containment
+62 psig	Positive design pressure of the primary containment
35 psig	The containment pressure corresponding to all the non-condensibles initially in the drywell being transferred to wetwell

Table 3 (Cont'd)

25 psig	Upper boundary on long term pressure response up to one day following a postulated Design Basis Event
20 psig	Upper boundary on extended long term pressure at one day and longer following a postulated Design Basis Event
Durations	
45 seconds	Conservative time duration to cover peak containment pressure
1 hour	Conservative time duration during which valves that must isolate automatically on low Reactor Pressure Vessel pressure or high drywell pressure, must be operable
3 hours	Conservative duration of time to depressurize the Reactor Pressure Vessel at a rate not exceeding 100 degrees/hour, down to 150 psia
4.5 hours	Conservative time at which shutdown cooling system flush is complete. Normal shutdown cooling necessitates closure of recirculation line valves.
6 hours	Conservative duration of time to complete vessel depressurization to approximate containment pressure. This time includes Reactor Pressure Vessel depressurization to 150 psia not exceeding a rate of 100°F per hour, flushing of system and depressurization to approximate containment pressure.

Table 4

Radiation Conditions Inside Primary Containment

Area (fig.5)	Radiation Type	Operating Dose Rate (1)	Design Basis Event Type	Design Basis Event Dose Rate(1,3)	Integrated Dose (1,2,5) Normal	Integrated Dose (1,2,5) DBE
Drywell, Inside Vessel Shield	Gamma Neutron Beta	2.3×10^4 8.8×10^3 (4)	LOCA	SEE NOTE 6	8.1×10^9 3.1×10^9 -----	SEE NOTE 7
Outside Vessel Shield Zone 1 Above Core	Gamma Neutron Beta	2.1×10^1 3.0 (4)	LOCA	SEE NOTE 6	7.4×10^6 1.1×10^6	SEE NOTE 7
Zone 2 Core Region	Gamma Neutron Beta	59 12 (4)	LOCA	SEE NOTE 6	2.1×10^7 4.2×10^6 -----	SEE NOTE 7
Zone 3 Under Vessel	Gamma Neutron Beta	54 12 (4)	LOCA	SEE NOTE 6	1.9×10^7 4.2×10^6 -----	SEE NOTE 7
Zone 4 Near Recirc.	Gamma Neutron Beta	44 0.6 (4)	LOCA	SEE NOTE 6	1.5×10^7 2.1×10^5 -----	SEE NOTE 7
Zone 5 > 15 ft. Recirc.	Gamma Neutron Beta	15 1.1 (4)	LOCA	SEE NOTE 6	5.3×10^6 3.9×10^5 -----	SEE NOTE 7
Zone 6 Torus	Gamma Neutron Beta	1.0 (note 8) 0.1 (4)	LOCA	5.1×10^4 at 48 hr ----- 1.5×10^6 at 48 hr	3.5×10^5 3.5×10^4 -----	6.3×10^6 ----- 3.5×10^8

1. The unit of dose rate is Rads/hr. The units of dose is rads.
2. Normal integrated dose is calculated for a period of 40 years.
3. DBE dose rate is the dose rate immediately following the DBE except otherwise specified.
4. The beta dose is not significant compared to others during normal operation.
5. Gamma, beta, and neutron radiation shall all be considered for equipment qualification inside the drywell.
6. Gamma 1.9×10^7 (airborne)
   1.9×10^5 (plateout at 1 hr)

   Beta 3.1×10^8 (airborne)
   1.1×10^7 (plateout at 1 hr)
7. Gamma 2.6×10^7 (airborne)
   3.4×10^6 (plateout)

   Beta 9.5×10^8 (airborne)
   6.7×10^8 (plateout)
8. 20' away from 28" recirc. line

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Table 5

Environmental Conditions Inside Primary Containment
for the Design Basis Event

Drywell

Time	Temperature (Degrees F)	Pressure (psig)	Humidity (%)
0 - 20 sec	340	0 - 62	100
20 sec - 5 min	340	62	100
5 min - 3 hr	340	40	100
3 - 6 hr	320	40	100
6 - 24 hr	250	25	100
1 - 4 days	200	25	100
4 - 180 days	200	10	100

Table 6

Normal and Maximum Plant Environmental Conditions

INDEX

TABLE 6

NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT(1)*	NORMAL OPERATING CONDITIONS: PRESS MAX/MIN (Mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR. SHINE DOSE (RAD) (8,9)
REACTOR BUILDING EL. 54 FT.														
Core Spray Pump Rooms 4116, 4105, 4118	H	0/-.25	110/78/68/40	90/20	0.01	3.5E3	ATM	113	100/20	ATM	148	100-30 min. (6)	1.1E5	4E6 ⚠2
HPCI Pump Room 4111	H	0/-.25	107/83/72/60	90/20	2.5	9.1E3	ATM	110	100/20	2.9-30 min. (4)	300-30 min. (5)	100-6 hrs (6)	9.8E4	2E5 at 24 hrs
RHR Pump Rooms 4114, 4107	H	0/-.25	111/84/73/40	90/20	10.0	3.5E4	ATM	112	100/20	ATM	115	100-30 min. (6)	1.1E5	3E6
RHR Pump & HX Rooms 4109, 4113	H	0/-.25	111/79/69/40	90/20	10.0	3.5E4	ATM	113	100/20	ATM	115	100-30 min. (6)	1.6E5	5E6 ⚠2
RCIC Pump Room 4110	H	0/-.25	106/79/69/60	90/20	4.5	5.1E3	ATM	112	100/20	1.5-30 min. (4)	300-30 min. (5)	100-6 hrs (6)	5.6E4	2E5 at 24 hrs
Elect. Equipment Room 4112, 4108	H	0/-.25	77/72/62/40	90/20	0.0025	8.8E2	ATM	108	100/20	ATM	117	100-30 min. (6)	7.8E-1	8E0
CRW/DRW Pump Room 4106	H	0/-.25	-/85/74/40	90/20	0.21	7.4E4	ATM	116	100/20	ATM (4)	148	100-30 min. (6)	1.1E5	4E6
Torus Water Filter Pump Room 4101	H	0/-.25	-/113/104/40	90/20	0.015	5.25E3	ATM	142	100/20	ATM	148	100-30 min. (6)	5.9E2	2E4
Stair Vestibule 4103, 4117	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	1.2E1	4E2
Torus Compartment 4102	H	0/-.25	-/88/77/40	90/20	0.100	3.5E4	ATM	108	100/20	1.1-30 min. (4)	302-30 min. or 175-9 days 148°F thereafter	100-6 hrs (6)	2.9E5	2E7
CRW/DRW Pump Room 4115	H	0/-.25	-/85/74/40	90/20	0.21	7.4E4	ATM	116	100/20	ATM	148	100-30 min. (6)	2.6E0	3E1
Core Spray Pump Room 4104	H	0/-.25	110/78/68/40	90/20	0.01	3.5E3	ATM	113	100/20	ATM	115	100-30 min. (6)	1.1E5	4E6 ⚠2

*For Notes see page 81.

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT (1)	NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS			DBE CONDITIONS				
		PRESS MAX/MIN (inWg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD)(2)	PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (8
REACTOR BUILDING EL. 77 FT.														
RACS Pump Room, 4209	H	0/-.25	-/93/82/40	90/20	0.0025	8.8E2	ATM	124	100/20	ATM	148	100-30 min. (6)	3.0E0	3E1
RACS HX Room 4211	H	0/-.25	-/93/82/40	90/20	0.0025	8.8E2	ATM	124	100/20	ATM	148	100-30 min. (6)	3.0E0	3E1
RHR HX Room 4208, 4214	H	0/-.25	111/79/69/40	90/20	10.0	3.5E4	ATM	113	100/20	ATM	114	100-30 min. (6)	1.1E5	3E6
Safeguard Inst. Room 4210, 4219	H	0/-.25	-/82/77/67	90/20	0.0025	8.8E2	ATM	115	100/20	ATM	148	100-30 min. (6)	3.0E0	3E1
Motor Control Center 4215	H	0/- 25	-/77/70/57	90/20	0.0025	8.8E2	ATM	109	100/20	ATM	148	100-30 min. (6)	3.0E0	3E1
Motor Control Center 4201	H	0/-.25	-/87/79/40	90/20	0.0025	8.8E2	ATM	118	100/20	ATM	128	100-30 min. (6)	2.3E1 at 36 hours	2E3
Motor Control Center 4218	H	0/-.25	-/76/67/40	90/20	0.0025	8.8E2	ATM	107	100/20	ATM	148	100-30 min. (6)	2.1E0	2E1
CRD Pump Room 4202	H	0/-.25	-/97/86/40	90/20	0.0025	8.8E2	ATM	130	100/20	ATM	148	100-30 min. (6)	3.4E0 at 36 hours	3E2
Corridor 4203	H	0/-.25	-/82/77/40	90/20	0.0025	8.8E2	ATM	110	100/20	ATM	148	100-30 min. (6)	1.1E4	4E5
Vestibule 4204	H	0/-.25	-/104/-/40	90/20	0.015	5.3E3	ATM	108	100/20	1.1-30 min. (4)	302-30 min. (5)	100-6 hrs (6)	3.0E0	3E1
Passage 4207, 4213	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	3.0E0	3E1
Vestibule 4206, 4212	H	0/-.25	111/79/69/40	90/20	0.015	5.3E3	ATM	113	100/20	ATM	148	100-30 min. (6)	3.0E0	3E1
Motor Control Center 4205	H	0/-.25	-/77/70/57	90/20	0.0025	8.8E2	ATM	109	100/20	ATM	148	100-30 min. (6)	2.4E1	4E1
Corridor 4216	H	0/-.25	-/82/77/40	90/20	0.0025	8.8E2	ATM	110	100/20	ATM	148	100-30 min. (6)	2.1E0	2E1
Vestibule 4217	H	0/-.25	-/104/-/40	90/20	0.015	5.3E3	ATM	108	100/20	1.1-30 min. (4)	302-30 min. (5)	100-6 hrs (6)	2.1E0	2E1

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT(1)	NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS			DBE CONDITIONS				
		PRESS MAX/MIN (Wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD)(2)	PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR. SHIRE DOSE (RAD) (8,9
REACTOR BUILDING EL. 102 FT.														
Steam Tunnel 4316	H	0/-.25	-/97/86/66	90/20	10.0	3.3E6	ATM	129	100/20	16.3-30 min. (4)	315-30 min. (5)	100-6 hrs (6)	1.9E7	3E7
North Pipe Chase 4329	H	0/-.25	-/103/94/40	90/20	0.715	2.5E5	ATM	129	100/20	1.1-30 min. (4)	302-30 min. (5)	100-6 hrs (6)	1.1E5	4E6
South Pipe Chase 4321	H	0/-.25	-/91/81/40	90/20	1.0	1.3E6	ATM	119	100/20	1.1-30 min. (4)	298-30 min. (5)	100-6 hrs (6)	1.1E5	4E6
HPCI Pipe Chase 4327	H	0/-.25	-/71/62/46	90/20	2.5	9.1E3	ATM	106	100/20	3.2-30 min. (4)	302-30 min. (5)	100-6 hrs (6)	7.7E4	4E4 24 hrs
RCIC Pipe Chase 4319	H	0/-.25	-/71/62/46	90/20	1.5	6.5E3	ATM	105	100/20	1.1-30 min. (4)	300-30 min. (5)	100-6 hrs (6)	3.5E4	6E4 24 hrs
Personnel & Equipment Access Area 4322, 4331	H	0/-.25	-/92/82/66	90/20	0.0025	8.8E2	ATM	115	100/20	ATM	148	100-30 min. (6)	1.1E0	2E2
Neutron Monitoring System 4318	H	0/-.25	-/99/90/74	90/20	250.0	1.1E6	ATM	118	100/20	ATM	148	100-30 min. (6)	1.8E2	3E2
CRD Hydraulic 4320	H	0/-.25	-/92/82/66	90/20	0.02	7.6E3	ATM	115	100/20	ATM	148	100-30 min. (6)	8.4E2 at 36 hrs	6E4
CRD Master Control Area & Corridor 4317, 4315	H	0/-.25	-/92/82/66	90/20	0.0025	8.8E2	ATM	115	100/20	ATM	148	100-30 min. (6)	9.6E0	1E2
Washdown Area 4332	H	0/-.25	-/92/82/66	90/20	0.0025	8.8E2	ATM	115	100/20	ATM	148	100-30 min. (6)	1.1E0	2E2
Equipment Air Lock 4304, 4305, 4313,	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	1.5E-2	2E1
Motor Control Center 4310	H	0/-.25	-/91/77/40	90/20	0.0025	8.8E2	ATM	122	100/20	ATM (4)	128	100-30 min. (6)	1.5E-1	5E0
Motor Control Center, 4303	H	0/-.25	-/85/74/40	90/20	0.0025	8.8E2	ATM	115	100/20	ATM (4)	123	100-30 min. (6)	4.5E2	3E2
SACS Pump & HX Room 4307, 4309	H	0/-.25	-/94/87/40	90/20	0.0025	8.8E2	ATM	95	100/20	ATM	104	100-30 min. (6)	2.7E1	5E2

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT	NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS					DBE CONDITIONS		
		PRESS MAX/MIN (Wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD)(8,
CRD Removal & Repair 4326	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	9.6E1	2E2
CRD Storage 4333	H	0/-.25	-/104/-/40	90/20	0.10	3.5E4	-	-	-	ATM	148	100-30 min. (6)	9.6E1	2E2
Vestibule & Elev. Machine Room 4311, 4334	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	1.5E-2	2E1
Drywell Access Room 4330	H	0/-.25	-/104/-/40	90/20	2.5	8.8E5	-	-	-	ATM	148	100-30 min. (6)	1.9E7 (gamma) 3.1E8 (beta)	3E7 1E9
RPT Breaker Room 4301	H	0/-.25	-/91/77/40	90/20	0.0025	8.8E2	ATM	122	100/20	ATM	148	100-30 min. (6)	1.5E-2	2E1
Equipment Air Lock (truck bay), 4323	H	0/-.25	-/84/74/40	90/20	0.0025	8.8E2	ATM	107	100/20	ATM	148	100-30 min. (6)	9.6E0	1E2
Equipment Air Lock, 4324	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	9.6E0	1E2
CRD Hydraulic 4328	H	0/-.25	-/92/82/66	90/20	0.02	7.0E3	ATM	115	100/20	ATM	148	.100-30 min. (6)	1.1E5	4E6

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (in. wg)	TEMP (°F) TEST MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR))	INTEGR. DOSE (RAD)(2)	ABNORMAL CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD)(8,
REACTOR BUILDING EL. 132 FT.														
RWCU Recirc. Pump Room 4403, 4405	H	0/-.25	-/104/-/40	90/20	92.0	1.1E6	-	-	-	1.3-30 min. (4)	299-30 min. (5)	100-6 hrs (6)	1.5E-2	2E1
RWCU Backwash Pump Room 4406	H	0/-.25	-/104/-/40	90/20	55.0	1.1E6	-	-	-	ATM	148	100-30 min. (6)	1.5E-2	2E1
RWCU Backwash Recirc. Tank 4407	H	0/-.25	-/104/-/40	90/20	1.19E2	4.2E7	-	-	-	ATM	148	100-30 min. (6)	1.5E-2	2E1
South Pipe Chase 4402	H	0/-.25	-/104/-/40	90/20	89.0	2.0E6	-	-	-	1.3-30 min. (4)	305-30 min. (5)	100-6 hrs (6)	4.8E3 at 36 hrs	6E4
FRVS Recirc. 4410,	H	0/-.25	-/80/69/40	90/20	0.0025	8.8E2	ATM	110	100/20	ATM	148	100-30 min. (6)	2.1E3 at 10 days	2E6
FRVS Recirc 4411	H	0/-.25	-/80/69/40	90/20	0.0025	8.8E2	ATM	110	100/20	ATM	148	100-30 min. (6)	4.8E3	2E6
Equipment Area 4401	H	0/-.25	-/76/65/40	90/20	0.0025	8.8E2	ATM	105	100/20	ATM	148	100-30 min. (6)	1.5E-2	2E1
Corridor 4404	H	0/-.25	-/76/65/40	90/20	0.0025	8.8E2	ATM	105	100/20	ATM	148	100-30 min. (6)	1.5E-2	2E1
Compressor & Elect. Equip. Area 4408	H	0/-.25	-/76/65/40	90/20	0.0025	8.8E2	ATM	105	100/20	ATM	148	100-30 min. (6)	4.7E-2 at 10 days	7E1
Instrument Gas Compressor Rm. 4412, 4413	H	0/-.25	-/80/67/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min. (6)	2.0E0 at 10 days	3E3
Entrance to Stm. Vent 4409	H	0/-.25	-/88/-/40	90/20	0.0025	8.8E2	ATM	108	100/20	1.1-30 min. (4)	302-30 min. (5)	100-6 hrs (6)	2.0E2	6E3
Central Alarm Station 4416 (TSC)	H	.25/-.25	-/104/78/68	90/20	0.0005	2E2	ATM	195	100/20	-	-	-	-	-
Monitoring and Communication Area 4415 (TSC)	H	.25/-.25	-/104/78/68	90/20	0.0005	2E2	ATM	107	100/20	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD)(2)	ABNORMAL CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	IDLE CONDITIONS MAX LOCA DOSE RATE (RAD/HR) (5,7)	TOTAL INTEGR. SHINE DOSE (RAD)
REACTOR BUILDING El. 145 FT.														
RMCU Rm 450b	H	U/-.25	-/110/-/40	90/20	5.7	2Eb	-	-	-	6.3-30 min. (4)	302/-30 min. (5)	100-6 hrs (6)	4.8E3	8E4
South Pipe Chase 4503	H	U/-.25	-/104/-/40	90/20	55.0	2.0E6	-	-	-	1.3-30 min. (4)	305-30 min. (5)	100-6 hrs (6)	4.8E3	8E4
Cleanup Filter & Holdup Pump Room 4502, 4503	H	U/-.25	-/104/-/40	90/20	55.0	2.0E6	-	-	-	3.7-30 min. (4)	217-30 min. (5)	100-6 hrs (6)	1.5E-2	2E1
Corridor 450b	H	U/-.25	-/94/83/40	90/20	0.0025	8.8E2	ATM	12b	100/20	ATM	14h	100-30 min (6)	4.8E3	7E3
West Pipe Chase 4509	H	U/-.25	-/104/-/40	90/20	0.015	5.5E3	ATM	12b	100/20	ATM	148	100-30 min (6)	4.8E3	8E4
Electrical Equipment Area 4501	H	U/-.25	-/94/83/40	90/20	0.0025	8.8E2	ATM	12b	100/20	ATM	14H	100-30 min (6)	5.2E-2 at 10 days	7E1
Airlock 4510	H	U/-.25	-/104/-/40	90/20	0.0025	8.8E2	ATM	122	100/20	ATM	14d	100-30 min (6)	1.5E-2	2E1
FRVS Vent Rm. 4511, 4512	H	U/-.25	-/100/90/40	90/20	0.0025	8.8E2	ATM	12H	100/20	ATM	14H	100-30 min. (6)	1.4RE0	1E3
Sample Station Room 4513	H	U/-.25	-/104/-/40	90/20	1.6	5.6E5	ATM	122	100/20	ATM	14n	100-30 min. (6)	-	-
General Work Area 4514 (TSC)	H	.25/-.25	-/78/73/68	90/20	0.0025	8.8E2	ATM	104	100/20	-	-	-	-	-
Conference Room 4515 (TSC)	H	.25/.25	-/78/73/68	90/20	0.0025	8.8E2	ATM	95	100/20	-	-	-	-	-
Document Storage Room 4516 (TSC)	H	.25/.25	-/78/73/68	90/20	0.0025	8.8E2	ATM	99	100/20	-	-	-		
Stairwell 4517 (TSC)	H	.25/.25	-/78/73/68	90/20	0.0025	8.8E2	ATM	105	100/20	-	-	-		
Steam Tunnel HVAC Duct 4518 Space	H	U/-.25	-/91/86/66	90/20	0.0025	8.8E2	ATM	124	100/20	10.3	315-30 min (5)	100-6 hrs (6)	1.9E7	3E7
Corridor 4504	H	U/-.25	-/94/83/40	90/20	0.0025	8.8E2	ATM	12b	100/20	ATM	148	100-30 min (6)	4.8E3	8E4

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS: PRESS MAX/MIN (Wg)	NORMAL OPERATING CONDITIONS: TEMP (°F) TEST/MAX/AVE/MIN	NORMAL OPERATING CONDITIONS: % REL HUMIDITY MAX/MIN	NORMAL OPERATING CONDITIONS: MAX DOSE RATE (RAD/HR)	NORMAL OPERATING CONDITIONS: INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (PSIG)	ABNORMAL CONDITIONS: TEMP (°F)	ABNORMAL CONDITIONS: % REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	DBE CONDITIONS: TEMP (°F) (3)	DBE CONDITIONS: % REL HUMIDITY (3)	DBE CONDITIONS: MAX LOCA DOSE RATE (RAD/HR)(5,7)	DBE CONDITIONS: LOCA INTEGR. SHINE DOSE (RAD)(8,9)
REACTOR BUILDING EL. 162 & 176 FT.														
Gamma Scan Detector Area 4613	H	0/-.25	-/100/93/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Cask Loading Area 4611	H	0/-.25	-/104/-/40	90/20	0.10	3.5E4	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Containment Pre-Purge Cleanup Rm. 4603	H	0/-.25	-/104/-/40	90/20	0.10	3.5E4	-	-	-	ATM	148	100-30 min (6)	4.8E3	7E3
Motor Control Center 4601	H	0/-.25	-/84/74/40	90/20	0.0025	8.8E2	ATM	109	100/20	ATM	148	100-30 min (6)	4.8E3	3E4
Recombiner (Post LOCA) 4602, 4604	H	0/-.25	-/84/74/40	90/20	0.0025	8.8E2	ATM	109	100/20	ATM	131	100-30 min (6)	4.8E3	6E4
FRVS Units 4615, 4617	H	0/-.25	-/83/73/56	90/20	0.0025	8.8E2	ATM	108	100/20	ATM	148	100-30 min (6)	2.1E3 at 10 days	2E6
Corridor 4608	H	0/-.25	-/100/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min (6)	5.5E-1 at 36 hrs	4E1
New Fuel Vault 4610	H	0/-.25	-/104/-/40	90/20	0.10	3.5E4	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Cask Loading Area 4611	H	0/-.25	-/104/-/40	90/20	0.10	3.5E4	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Gamma Scan Electronics Rm. 4609	H	0/-.25	-/100/93/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Spent Fuel Pool Area 4612	H	0/-.25	-/104/91/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min (6)	1.5E-2	2E1
Bottom of Spent Fuel Pool 4612	H	-	-/135/125/60	100	3.07E4	1.0E10	-	-	-	-	150	100	1.5E-2	2E1
Spent Fuel Pool Gate 4612	H	-	-/135/125/60	100	3.07E4	1.7E7	-	-	-	-	150	100	1.5E-2	2E1
Equipment Area 4605	H	0/-.25	-/101/91/70	90/20	0.0025	8.8E2	ATM	174	100/20	ATM	148	100-30 min (6)	4.8E3	6E4

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (Mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD (2)	ABNORMAL CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTE SHINE DOS (RAD)
Elect. Access Area 4619	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	ATM	122	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
SLC Room 4606	H	0/-.25	-/101/91/70	90/20	0.0025	8.8E2	ATM	124	100/20	ATM	148	100-30 min (6)	6.9E-2	5E0
RWCU F/D Rm. 4620, 4621	H	0/-.25	-/104/-/40	90/20	7.3E2	2.6E8	ATM	126	100/20	6.2-30 min. (4)	222-30 min. (5)	100-6 hrs (6)	1.5E-2	2E1
Fuel Pool Cooling Pump Room 4625, 4626	H	0/-.25	-/100/93/40	90/20	0.15	5.3E4	ATM	119	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Dryer Separator Pool 4623	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	ATM	122	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Bottom of Dryer Separator Pool	H	0/-.25	-/115/-/40	100	10	3.2E5	ATM	122	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Fuel Pool HX Room 4627, 4628	H	0/-.25	-/100/93/40	90/20	0.5	1.8E5	ATM	119	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Isolation Valve Room 4624	H	0/-.25	-/110/-/40	90/20	0.0025	8.8E2	-	-	-	ATM	148	100-30 min (6)	4.7E-2 at 10 days	7E1
FRVS Recirc. Unit Room 4614,4616	H	0/-.25	-/83/73/56	90/20	0.0025	8.8E2	ATM	108	100/20	ATM	148	100-30 min (6)	2.1E3 at 10 days	2E6
Fuel Pool Water Suction Area 4607	H	0/-.25	-/104/91/40	90/20	0.140	5.26E4	ATM	122	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (Hg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR. SHINE DOSE (RAD) (8,9
REACTOR BUILDING EL. 201 FT.														
Elevator Machine 4701	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Polar Crane Entry Platform 4702	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
RPV Head Washdown Area 4705	H	0/-.25	-/105/92/67	90/20	0.025	1.6E3	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Laydown Area 4706	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Cask Washdown Area 4707	H	0/-.25	-/105/92/67	90/20	0.015	1.6E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
New Fuel Storage 4708	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Work Area 4709	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	1.5E-2	2E1
Laydown Area 4710	H	0/-.25	-/105/92/67	90/20	0.0025	8.8E2	Atm.	120	100/20	ATM	148	100-30 min (6)	4.7E-2 at 10 days	7E1

TABLE 6
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBERS	NORMAL OPERATING CONDITIONS						ABNORMAL CONDITIONS			DBE CONDITIONS				
	ENVIRONMENT (1)	PRESS MAX/MIN (Mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (Mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,
Turbine Building El 54 Feet														
Condenser Dewatering Pump Room, 1101	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Secondary Condensate Pump Room, 1102	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Turbine Generator Pedestal Area 1103	M	1/-.1	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Primary Condensate Pumps, 1104	M	1/-.1	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Demin. Water Storage Tank 1105	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
CRW & CRW Sump & Pumps Area, 1106	M	1/-.1	-/104/-/40	90/20	0.01	3.5E3	-	-	-	-	-	-	-	-
Pipeway El. 70 feet, 1107 A	M	1/-.1	-/120/-/40	90/20	11.0	1.8E6	-	-	-	-	-	-	-	-
Pipeway, 1107	M	1/-.1	-/120/-/40	90/20	11.0	1.8E6	-	-	-	-	-	-	-	-
Chem. Sump & Pumps, 1108	M	1/-.1	-/104/-/40	90/20	0.01	3.5E3	-	-	-	-	-	-	-	-
Demin. Water Storage & Pumps, 1109	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Demin. Water Trans. Pumps, 1110	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Condenser Instrument Compart., 1111	M	1/-.1	-/110/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Condensate Piping Area, 1112	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Turbine Gen. Pedestal Foundation Area, 1113	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS: ENVIRONMENT (1)	PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,7
Condensers - Area A,U&C, 1114 1115, 1116	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Circ. Water Piping Area, 1117	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
LRW, LRW & Emergency Sumps, 1118	M	1/-.1	-/110/-/40	90/20	0.01	3.5E3	-	-	-	-	-	-	-	-
Oil Interceptor Rooms, 1119	M	1/-.1	-/110/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Caustic Storage Tank Room, 1120	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
[illegible]stic Pump 1121	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
[illegible] Acid 1122	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Acid Storage Tank, 1123	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Refueling Water Pump, 1124	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Unloading Area, 1125	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Makeup Demin. Pump Room, 1126	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Makeup Demin. Reg. Waste Tank Room, 1127	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Condensate Drain Tank Area Above El. 60 feet, 1128	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Off Gas Pipe Tunnel Above El. 69 feet, 1129, 1130, 1131	M	1/-.1	-/120/-/40	90/20	3.0E1	1.1E7	-	-	-	-	-	-	-	-
Pipeway El. 67 feet, 1132	M	1/-.1	-/120/-/40	90/20	4.0E1	1.5E7	-	-	-	-	-	-	-	-

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS						ABNORMAL CONDITIONS			DBE CONDITIONS				
	ENVIRONMENT (1)	PRESS MAX/MIN (Mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (Mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Turbine Building El. 77 Feet														
Labyrinth Vestibule, 1201	M	1/-.1	-/104/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Labyrinth Vestibule, 1202	M	1/-.1	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Electrical Equip. Room, 1203	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Equipment Area, 1204, 1205	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Mech. Vacuum Pump Room, 1206	M	1/-.1	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Steam Packing Exhauster Room, 1207	M	1/-.1	-/110/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Future Condensate Demin., 1208	M	1/-.1	-/110/-/40	90/20	1.E1	3.5E6	-	-	-	-	-	-	-	-
Condensate Demin. 1209,1210,1211,1212, 1213,1214,1215	M	1/-.1	-/110/-/40	90/20	1.E1	3.5E6	-	-	-	-	-	-	-	-
Regeneration Area, 1216	M	1/-.1	-/110/-/40	90/20	6.E1	2.1E7	-	-	-	-	-	-	-	-
Corridor, 1217	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Air Ejector Rooms, 1218,1219	M	1/-.1	-/110/-/40	90/20	2.65E2	9.3E7	-	-	-	-	-	-	-	-
Condenser Water Box Laydown, 1220	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Lube Oil Receiving Tank, 1221	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
EHC Power Unit Area, 1222	M	1/-.1	-/90/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS						ABNORMAL CONDITIONS						DBE CONDITIONS		
	ENVIRONMENT (1)	PRESS MAX/MIN (Hg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (Hg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)	
Labyrinth Vestibule, 1223	M	1/-.1	-/90/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-	
Equipment Unload and Access Area, 1224,1225	M	1/-.1	-/90/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-	
Labyrinth Vestibule 1226	M	1/-.1	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-	
Condenscte Return Tank Area, 1227	M	1/-.1	-/90/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-	
Pipe Chase, 1228	M	1/-.1	-/120/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-	
Pipeway, 1229	M	1/-.1	-/120/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-	
Valve Gallery, 1230	M	1/-.1	-/110/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-	
Pipeway El. 94 Ft. 9 in., 1231	M	1/-.1	-/120/-/40	90/20	2.0	7.0E5	-	-	-	-	-	-	-	-	

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS: ENVIRONMENT (1)	PRESS MAX/MIN (Wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (Wg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Turbine Building El. 102 Feet														
Vestibule, 1301	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Equipment Area, 1302	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Cond. Pump Removal Area, 1303	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 1304	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Feedwater Heater, 1305	M	1/-.1	-/120/-/40	90/20	2.0	7.E5	-	-	-	-	-	-	-	-
Equipment Access, 1306	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 1307	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Feedwater Heater 1308,1309	M	1/-.1	-/120/-/40	90/20	2.0	7.0E5	-	-	-	-	-	-	-	-
Condenser Area, 1310, 1311, & 1312	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
Condenser Area, 1313	M	1/-.1	-/120/-/40	90/20	10.0	3.5E6	-	-	-	-	-	-	-	-
Lube Oil Reservoir 1314	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Battery Room 1315	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Unloading Area, 1316	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Access Area, 1317	M	1/-.1	-/85/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
D.C. Equipment Room 1323	M	1/-.1	-/110/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS						ABNORMAL CONDITIONS			DBE CONDITIONS				
	ENVIRONMENT (1)	PRESS MAX/MIN (Mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (Mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Turbine Building El. 102 Feet														
Labyrinth Vestibule, 1318,1319,1320, 1321	M	1/-.1	-/104/-/40	90/20	1.E1	3.5E6	-	-	-	-	-	-	-	-
Pipe Chase At EL. 115 FT. 6 IN, 1322	M	1/-.1	-/120/-/40	90/20	2.0	7.E5	-	-	-	-	-	-	-	-
Turbine Building El. 120 Feet														
Mezz. Air Equipment Area, 1401	M	1/-.1	-/91/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
RFPT Lube Oil Reservoir, 1402,1403,1404	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Mainsteam Pipe Chase AT EL. 123 FT.,1405	M	1/-.1	-/120/-/40	90/20	1.E1	3.5E6	-	-	-	-	-	-	-	-
Electrical Equipment, 1406	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Unloading, Area, 1409	M	1/-.1	-/110/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Labyrinth Vestibule 1410, 1411	M	1/-.1	-/120/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
RFPT Lube Oil Purifier, 1412	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (Hg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (Hg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	TOTAL INTEGR SHINE DOSE (RAD) (6,9)
Turbine Building El. 137 Feet														
Equipment Laydown Area 1501	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Unloading & Service Area, 1502, 1503	M	1/-.1	-/95/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Feedwater Heater, 1504,1505,1506	M	1/-.1	-/120/-/40	90/20	2.0	7.E5	-	-	-	-	-	-	-	-
Corridor, 1507	M	1/-.1	-/95/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Steam Seal Evaporator, 1508	M	1/-.1	-/120/-/40	90/20	5.0	1.8E6	-	-	-	-	-	-	-	-
Reactor Feed Pump Turbine, 1509, 1510,1511	M	1/-.1	-/120/-/40	90/20	5.0	1.8E6	-	-	-	-	-	-	-	-
Moisture Separator, 1512,1514	M	1/-.1	-/120/-/40	90/20	3.0	1.1E6	-	-	-	-	-	-	-	-
HP & LP - Turbine Area, 1513	M	1/-.1	-/104/-/40	90/20	2.0	7.0E5	-	-	-	-	-	-	-	-
Equipment Unloading Area, 1515	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Reactor Recirculation MG Sets, 1516,1517	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 1518	M	1/-.1	-/95/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Washdown Area, 1519	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Emergency Vent Stack, 1520	M	1/-.1	-/120/-/40	90/20	0.4	1.4E4	-	-	-	-	-	-	-	-

Table 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS: ENVIRON-MENT (1)	PRESS MAX/MIN (mg)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Turbine Building El. 154'-6"														
Valve Gallery, 1001	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Valve Gallery, 1002	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Turbine Building El. 171 Feet														
Turbine Bay Crane Access Platform, 1701	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Elevator Machine Room, 1702	M	1/-.1	-/104/-/40	90/20	0.0025	5.3E3	-	-	-	-	-	-	-	-
M&V Equipment Area, 1703	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Compartment Exhaust Room, 1704	M	1/-.1	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
M&V Equipment Area, 1705	M	1/-.1	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	NORMAL OPERATING CONDITIONS						ABNORMAL CONDITIONS						DBE CONDITIONS		
	ENVIRON-MENT (1)	PRESS MAX/MIN (wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (wg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	LOCA RATE DOSE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD)(8,9)
Auxiliary Building El. 54 feet														
Waste Surge Tank Room, 3101	M	0/-.25	-/115/-/40	90/20	0.8	2.8E5	-	-	-	-	-	-	-	-
Waste Surge Pump Room, 3102	M	0/-.25	-/110/-/40	90/20	0.07	2.5E4	-	-	-	-	-	-	-	-
Floor Drain Sample Tank Room, 3103, 3105	M	0/-.25	-/115/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Floor Drain Sample Pump Room, 3104	M	0/-.25	-/108/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3106	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Waste Sample Tank Room, 3107, 3109	M	0/-.25	-/115/-/40	90/20	0.025	5.3E3	-	-	-	-	-	-	-	-
Waste Sample Pump Room, 3108	M	0/-.25	-/108/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3110, 3111	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Waste Collector Sump, 3112	M	0/-.25	-/104/-/40	90/20	0.05	1.8E4	-	-	-	-	-	-	2.9E-1	1.0E1
Waste Collector Tank Room, 3113, 3116	M	0/-.25	-/115/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
Waste Collector Pump Room, 3114, 3115	M	0/-.25	-/112/-/40	90/20	0.325	1.1E5	-	-	-	-	-	-	-	-
Filter Room, 3117	M	0/-.25	-/104/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
Concentrated Waste Tanks, 3118, 3119	M	0/-.25	-/115/-/40	90/20	6.0	2.1E6	-	-	-	-	-	-	-	-
Concentrated Waste Pump Room, 3120	M	0/-.25	-/104/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHIRL DOSE (RAD) (8,9)
Waste Neutralizer Pump Room, 3121, 3124	M	0/-.25	-/104/-/40	90/20	0.4	1.4E5	-	-	-	-	-	-	-	-
Waste Neutralizer Tank, 3122, 3123	M	0/-.25	-/115/-/40	90/20	2.5	8.8E5	-	-	-	-	-	-	-	-
Waste Evaporator Work Area, 3125, 3126	M	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3127	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Waste Evaporator Recirc. Pump Room, 3171, 3173	M	.25/-.25	-/104/-/40	90/20	2.5	8.8E5	-	-	-	-	-	-	-	-
Waste Evaporator Tank Room, 3172, 3174	M	.25/-.25	-/115/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Cleanup Phase Separator Pump Room, 3128	M	0/-.25	-/104/-/40	90/20	5.E1	1.8E7	-	-	-	-	-	-	-	-
Cleanup Phase Separator, 3129, 3130, Tank Rms.	M	0/-.25	-/115/-/40	90/20	5E2	1.75E8	-	-	-	-	-	-	-	-
Labyrinth Vestibule 3131	M	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Spent Resin Tank Room, 3132	M	0/-.25	-/115/-/40	90/20	5.E1	1.1E7	-	-	-	-	-	-	-	-
Spent Resin Pump Room, 3133	M	0/-.25	-/120/-/40	90/20	1.1E1	3.9E6	-	-	-	-	-	-	-	-
Waste Sludge Pump Room, 3134	M	0/-.25	-/112/-/40	90/20	5.E1	1.75E7	-	-	-	-	-	-	-	-
Waste Sludge Phase Separator, 3135	M	0/-.25	-/115/-/40	90/20	5.E2	1.75E8	-	-	-	-	-	-	-	-
Floor Drain Collector Tank, 3136, 3137	M	0/-.25	-/115/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Floor Drain Collector Pump Room, 3138	M	0/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Detergent Drain Filter Room, 3139	M	0/-.25	-/115/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Labyrinth Vestibule 3140	M	0/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (Hg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (Hg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Detergent Drain Pump Room, 3141	H	U/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Detergent Drain Tank Room, 3142	H	U/-.25	-/115/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Aux Sumps, 3143	H	U/-.25	-/104/-/40	90/20	0.05	1.8E4	-	-	-	-	-	-	-	-
Corridor, 3144	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
H/W Resin Holdup Tank Room, 3145	H	U/-.25	-/115/-/40	90/20	4.5E1	1.6E7	-	-	-	-	-	-	-	-
H/W Regenerator Vessel Room, 3146	H	U/-.25	-/115/-/40	90/20	2.25E2	7.9E7	-	-	-	-	-	-	-	-
Decon. Solution L.W. Pumps, 3147	H	U/-.25	-/110/-/40	90/20	0.5	1.8E5	-	-	-	-	-	-	-	-
Decon. Solution Concentrated Waste Tank Room, 3148	H	U/-.25	-/115/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
Concentrate Return Vent Room, 3149	H	U/-.25	-/95/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Chem. Waste Sample Tank, 3150	H	U/-.25	-/115/-/40	90/20	0.35	1.2E5	-	-	-	-	-	-	-	-
Chem. Waste Sample Pump Room, 3151	H	U/-.25	-/120/-/40	90/20	0.06	2.1E4	-	-	-	-	-	-	-	-
M&V, 3152	H	U/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Filter Room, 3153	H	U/-.25	-/104/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
Corridor, 3154	H	U/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Decon. Solution Concentrator Room, 3175	H	U/-.25	-/115/-/40	90/20	2.0	7.0E5	-	-	-	-	-	-	-	-
Decon. Solution Concentrator Recycle Pump Room, 3176	H	U/-.25	-/104/-/40	90/20	0.5	1.8E5	-	-	-	-	-	-	-	-
Vestibule, 3177	H	U/-.25	-/104/-/40	90/20	2.0E1	7.0E6	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR GAMMA DOSE (RAD) (6,9)
Charcoal Tank 3155, 3159-1	H	0/-.25	-/65/-/40	90/20	3.5E3	1.2E8	-	-	-	-	-	-	-	-
Refrigerator skid, 3160	H	0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor 3157, 3162, 3163, 3169	H	.25/0	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Analyzer Room, 3160	H	0/-.25	-/104/-/40	90/20	2.0E2	7.0E7	-	-	-	-	-	-	-	-
Off Gas Panel Room, 3165	H	.0/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Valve Gallery, 3159	H	0/-.25	-/104/-/40	90/20	25	8.8E6	-	-	-	-	-	-	-	-
Primary Recombiner Valve Maintenance Area, 3167-1, 3168-1	H	0/-.25	-/115/-/40	90/20	5E2	1.75E8	-	-	-	-	-	-	-	-
Recombiners 3167, 3168	H	0/-.25	-/115/-/40	90/20	5E3	1.75E9	-	-	-	-	-	-	-	-
WMA Sumps & Pumps, 3170	H	0/-.25	-/104/-/40	90/20	0.05	1.8E4	-	-	-	-	-	-	-	-
HVAC room 3156, 3158, 3161	H	0/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Auxiliary Building Control & Diesel Area El. 54 Feet														
Vestibule, 5101	H	.25/0	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	2.9E-1	1.0E1
Electrical Equipment Area, 5102	H	.25/0	-/104/85/40	90/20	0.0005	2E2	.25/0	104	90/20	-	-	-	-	-
Equipment Room, 5103	H	.25/0	-/104/65/40	90/20	0.0005	2E2	.25/0	104	90/20	-	-	-	-	-
Battery Room, 5104, 5120	H	0/-.25	77/80/77/74	90/20	0.0005	2E2	0/-.25	80	90/20	-	-	-	-	-
M/G Set Room, 5105	H	.25/0	-/104/-/40	90/20	0.0005	2E2	.25/0	104	90/20	-	-	-	-	-
Storage Area, 5106	H	.25/0	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	4.2E-1	1.0E1
Vestibule, 5121	H	.25/0	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (Wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (Wg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Battery Room, 3120	M	0/-.25	77/80/77/74	90/20	0.0005	2E2	.25/0	80	90/20	-	-	-	-	-
Diesel Fuel Storage, 3107, 3106, 3109, 3110,	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 3111, 3112	M	.25/0	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Auxiliary Building El. 77 & 87 Feet														
Cable Tray Area, 3201, 3211	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Store Room, 3202	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 3203, 3209	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Access Area, 3204	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Battery Room, 3205,	M	0/-.25	-/79/77/75	90/5	0.0025	8.8E2	-	-	-	-	-	-	-	-
Battery Charger Room 3207	M	0/-.25	-/87/85/83	90/5	0.0025	8.8E2	-	-	-	-	-	-	-	-
Emergency Shower Area, 3206	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Foyer, 3210	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Elevator Machine Room, 3217	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Oil Interceptor, 3220	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Cable Tray Area, 3208, 3219	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vestibule, 3210	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Hatchway 3218	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vial Sampler Area, 3198, 3199	M	.25/0	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Pipeway Areas, 3180 , 3189	M	.25/0	-/115/-/40	90/20	5E2	2.3E6	-	-	-	-	-	-	-	-
Off Gas Holdup Area, 3181, 3182	M	.25/-.25	-/115/-/40	90/20	3E3	1.1E7	-	-	-	-	-	-	-	-
Delay Pipe Vestibule, 3183	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vestibule, 3184	M	.25/-.25	-/115/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Pipeway Area El. 66 ft. 3186	M	.25/-.25	-/115/-/40	90/20	1.0	3.5E3	-	-	-	-	-	-	-	-
Pipeway Area El. 75 ft., 3187	M	.25/-.25	-/115/-/40	90/20	1.0E3	2.9E6	-	-	-	-	-	-	-	-
Vestibule, 3188	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Pipeway Area, El. 65 ft. 3190	M	.25/-.25	-/115/-/40	90/20	1.5E2	7.1E6	-	-	-	-	-	-	-	-
Recycle & Concentrated Waste Pump Room, 3191, 3196	M	.25/-.25	-/104/-/40	90/20	1.0	3.5E5	-	-	-	-	-	-	-	-
Waste Evaporator Rooms, 3192, 3194	M	.25/-.25	-/115/-/40	90/20	3.0	1.8E6	-	-	-	-	-	-	-	-
Heating Element Rooms, 3193, 3195	M	.25/-.25	-/115/-/40	90/20	3.0	1.8E6	-	-	-	-	-	-	-	-
H/W Regeneration System Control Panel Room, 3197	M	.25/-.25	-/115/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Auxiliary building Control & Diesel Area El. 77 feet														
Vestibule, 5201	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Cable Spreading Room, 5202	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Tray Area, 5203, 5204, 5205, 5206,	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 5207, 5217, 5237	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
M&V Equipment Room, 5208, 5209, 5210, 5211	M	.25/-.25	90/104/90/40	90/20	0.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Access Area, 5215	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Raceway, 5216	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 5233	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Auxiliary building El. 102 feet														
Plant Personnel Entrance, 3301	M	.25/-.25	-/100/-/40	90/20	0.0005	1.8E2	-	-	-	-	-	-	-	-
Corridor, 3302	M	.25/-.25	-/100/-/40	90/20	0.0005	1.8E2	-	-	-	-	-	-	-	-
Men's Toilet Room, 3303	M	.25/-.25	-/104/-/40	90/20	0.0005	1.8E2	-	-	-	-	-	-	-	-
Janitor's Room, 3304	M	.25/-.25	-/104/-/40	90/20	0.0005	1.8E2	-	-	-	-	-	-	-	-
Unrestricted Machine Shop, 3305	M	.25/-.25	-/100/-/40	90/20	0.0005	1.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS						DBE CONDITIONS	
		PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	TOTAL INTEGR SHIME DOSE (RAD) (8,9)
Corridor, 3306	M	.25/-.25	-/100/-/40	90/20	0.0005	1.HE7	-	-	-	-	-	-	-	-
Maintenance, 3307	M	.25/-.25	-/80/-/68	90/7	0.0005	1.HE2	-	-	-	-	-	-	-	-
Store Room, 3308	M	.25/-.25	-/80/-/68	90/7	0.0005	1.HE2	-	-	-	-	-	-	-	-
Restricted Machine Shop, 3309	M	.25/-.25	-/100/-/40	90/20	0.0025	8.HE2	-	-	-	-	-	-	-	-
Decontamination Room 3310	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Decontamination Room, 3311	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Access Area, 3314, 3315	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Hot water Heater Room, 3316	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Foyer, 3317	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Lobby, 3318	M	.25/-.25	-/104/-/40	90/20	0.0005	1.HE2	-	-	-	-	-	-	-	-
Tank Area, 3319	M	.25/-.25	-/115/-/40	90/20	0.0025	8.HE2	-	-	-	-	-	-	-	-
Fuel Pool Filter Rooms, 3317, 3318, 3319	M	.25/-.25	-/115/-/40	90/20	2.E1	7.0E6	-	-	-	-	-	-	-	-
Floor Drain Filter 3320	M	.25/-.25	-/115/-/40	90/20	0.04	1.4E4	-	-	-	-	-	-	-	-
Floor Drain Demin. 3321	M	.25/-.25	-/115/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Waste Demin. Room, 3322	M	.25/-.25	-/115/-/40	90/20	3E1	1.1E7	-	-	-	-	-	-	-	-
Waste Filter, 3323	M	.25/-.25	-/115/-/40	90/20	1.0E2	3.5E7	-	-	-	-	-	-	-	-
Fuel Pool Filter Holding Pump Room 3324	M	.25/-.25	-/104/-/40	90/20	5.5	1.9E6	-	-	-	-	-	-	-	-

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Floor Drain Holding Pump 3325	H	.25/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Waste Filter Holding Pump 3326	H	.25/-.25	-/104/-/40	90/20	1.7E1	6.0E6	-	-	-	-	-	-	-	-
Corridor, 3327, 3328	H	.25/-.25	-/100/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Office, 3310	H	.25/-.25	-/80/-/68	90/7	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Equipment Area, 3329	H	.25/-.25	-/100/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Radwaste Control Room, 3343	H	.25/-.25	-/80/-/68	90/7	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Penetration Room, 3331	H	.25/-.25	-/100/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Drum Area, 3332	H	.25/-.25	-/100/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Access Area, 3330	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor 3335, 3346	H	.25/-.25	-/104/-/40	90/20	.0025	8.8E2	-	-	-	-	-	-	-	-
Equipment Access 3340	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Dry Radwaste Storage 3344	H	.25/-.25	-/104/-/40	90/20	0.2	7.0E4	-	-	-	-	-	-	-	-
Drum Capper & Seamer Area 3347	H	.25/-.25	-/104/-/40	90/20	500	6.0E4	-	-	-	-	-	-	-	-
Radwaste Loading Area 3348	H	.25/-.25	-/104/-/40	90/20	500	1.2E5	-	-	-	-	-	-	-	-
Drum Turn Table Area 3349, 3350	H	.25/-.25	-/104/-/40	90/20	500	1.3E6	-	-	-	-	-	-	-	-
Asphalt Metering Pump Area 3350	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS: PRESS MAX/MIN (wg)	NORMAL: TEMP (°F) TEST/MAX/AVE/MIN	NORMAL: % REL HUMIDITY MAX/MIN	NORMAL: MAX DOSE RATE (RAD/HR)	NORMAL: INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (wg)	ABNORMAL: TEMP (°F)	ABNORMAL: % REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	DBE: TEMP (°F) (3)	DBE: % REL HUMIDITY (3)	DBE: MAX LOCA DOSE RATE (RAD/HR)(5,7)	DBE: LOCA INTEGR SHINE DOSE (RAD) (8,9)
Extruder Manifold Area 3358	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Extruder Evaporator 3357, 3359	H	.25/-.25	-/104/-/40	90/20	550	1.4E6	-	-	-	-	-	-	-	-
Resin Recirc. Pump Room 3360	H	.25/-.25	-/104/-/40	90/20	1.3E3	7.0E6	-	-	-	-	-	-	-	-
Centrifuge Feed Tank Room 3361	H	.25/-.25	-/104/-/40	90/20	4.4E3	1.5E9	-	-	-	-	-	-	-	-
Crystallizer Bottoms Pump Room 3362	H	.25/-.25	-/104/-/40	90/20	40.0	1.4E7	-	-	-	-	-	-	-	-
Crystallizer Bottoms Tank Room 3366	H	.25/-.25	-/104/-/40	90/20	100	3.5E7	-	-	-	-	-	-	-	-
Crystallizer Instr. Rack, Condensate, and Sample Areas 3363, 3364, 3365	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Crystallizer Recirc. Pump Room 3367	H	.25/-.25	-/104/-/40	90/20	52	1.6E7	-	-	-	-	-	-	-	-
Auxiliary Building Control & Diesel Area El. 102 Feet														
Electrical Access Area, 5301, 5339	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Control Equipment Room, 5302	H	.25/-.25	83/85/63/40	90/20	0.0005	2E2	.25/-.25	85	90/20	-	-	-	-	-
Corridor, 5303	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 5335, 5336	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Tray Area, 5323, 5324, 5325, 5326	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS: PRESS MAX/MIN (Wg)	NORMAL OPERATING CONDITIONS: TEMP (°F) TEST/MAX/AVE/MIN	NORMAL OPERATING CONDITIONS: % REL HUMIDITY MAX/MIN	NORMAL OPERATING CONDITIONS: MAX DOSE RATE (RAD/HR)	NORMAL OPERATING CONDITIONS: INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS: PRESS (Wg)	ABNORMAL CONDITIONS: TEMP (°F)	ABNORMAL CONDITIONS: % REL HUMIDITY MAX/MIN	DBE CONDITIONS: PRESS (PSIG) (3)	DBE CONDITIONS: TEMP (°F) (3)	DBE CONDITIONS: % REL HUMIDITY (3)	DBE CONDITIONS: MAX LOCA DOSE RATE (RAD/HR)(5,7)	DBE CONDITIONS: LOCA INTEGR SHINE DOSE (RAD)(8,9)
Diesel Generator Room, 5304, 5305, 5306, 5307	M	.25/-.25	120/120/-/40	90/20	0.0005	2E2	.25/-.25	120	90/20	-	-	-	-	-
Corridor, 5308, 5315	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Tray Area, 5331, 5332, 5333, 5334	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Raceway Room, 5336	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
										-	-	-	-	-
Auxiliary Building El. 124 Feet														
Vestibule, 3401	M	.25/-.25	-/100/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Uncontrolled Outage Locker Area, 3402	M	.25/-.25	-/80/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Clean Storage Area, 3403	M	.25/-.25	-/93/-/66	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Electrical Tray Room, 3404	M	.25/-.25	-/90/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 3405, 3409	M	.25/-.25	-/85/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Uncontrolled Toilet, 3406, 3407, 3408	M	.25/-.25	-/86/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Uncontrolled Maintenance Locker Area, 3413	M	.25/-.25	-/80/-/68	90/20	0.0005	2E2	-	-	-	-	-	-	-	-

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TABLE 6 (Cont'd)
NORMAL AND ABNORMAL PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (inWg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (inWg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	DBE CONDITIONS MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Uncontrolled Maintenance Toilet, 3410, 3411, 3412	M	.25/-.25	-/90/-/80	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Decontamination Area, 3441, 3437, 3435, 3433, 3434, 3416	M	.25/-.25	-/89/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Clean Storage Room 3414	M	.25/-.25	-/94/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Monitor Area, 3451	M	.25/-.25	-/80/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vestibule, 3433	M	.25/-.25	-/80/-/80	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Locker, Corridor Area, 3444, 3443	M	.25/-.25	-/80/-/88	90/20	0.0025	8 8E2	-	-	-	-	-	-	-	-
Controlled Corridor, 3443	M	.25/-.25	-/93/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Passageway, 3440	M	.25/-.25	-/90/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Raceway Room, 3449, 3450	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Auxiliary Panel Room, 3432	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Passageway, 3439	M	.25/-.25	-/80/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Access Area, 3438, 3436	M	.25/-.25	-/83/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vestibule, 3435	M	.25/-.25	-/80/-/80	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Technical Nuclear Shop, 3429	M	.25/-.25	-/80/-/80	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Laundry Storage, 3430	M	.25/-.25	-/95/-/88	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Wet & Dry Laundry, 3431	M	.25/-.25	-/95/-/80	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRONMENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (ag)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (ag)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Respirators, Canisters Valves, 3447	M	.25/-.25	-/90/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Toilet, 3446	M	.25/-.25	-/87/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Offices, 3418, 3419	M	.25/-.25	-/80/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Clean Chem. Lab, 3427	M	.25/-.25	-/80/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Hot Chem Lab., 3421	M	.25/-.25	-/80/-/66	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	- [8]
Chem. Storage, 3420	M	.25/-.25	-/95/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Counting Room, 3423	M	.25/-.25	-/80/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Calibration & Repair Shop, 3420	M	.25/-.25	-/80/-/68	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Access Area, 3426, 3425	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	7.5E-1 at 8 hrs	3.0E3
Equipment Removal Area, 3442	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Access Area 3452	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Maintenance Area 3454	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Drum Storage Area 3455, 3456	M	.25/-.25	-/104/-/40	90/20	500	1.8E4	-	-	-	-	-	-	-	-
HEPA Filter Area 3457	M	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Vapor Compressor Room 3458	M	.25/-.25	-/104/-/40	90/20	0.02	7.0E3	-	-	-	-	-	-	-	-
Heater Room 3459	M	.25/-.25	-/104/-/40	90/20	75	2.6E7	-	-	-	-	-	-	-	-
Cooler Condenser Room 3460	M	.25/-.25	-/104/-/40	90/20	0.05	1.8E4	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (R/HR)	INTEGR. DOSE (RAD)(2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY (3)	LOCA DOSE RATE (2) (RAD/HR)(5,7)	TOTAL INTEG GAMMA DOSE (RAD)(8,9)
P.H. Skid Area 3401	H	.25/-.25	-/104/-/40	90/20	0.0425	8.8E2	-	-	-	-	-	-	-	-
Corridor 3402	H	.25/-.25	-/104/-/40	90/20	0.0425	8.8E2	-	-	-	-	-	-	-	-
Unassigned 3403	H	.25/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Pump Area 3404	H	.25/-.25	-/105/-/40	90/20	1.3E3	7.0E6	-	-	-	-	-	-	-	-
Centrifuge Room 3405	H	.25/-.25	-/104/-/40	90/20	2.7E3	1.5E7	-	-	-	-	-	-	-	-
Extruder Evaporator Vent Hood Area 3406	H	.25/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Extruder Evaporator Vent Hood Blower Area 3407	H	.25/-.25	-/104/-/40	90/20	0.015	5.3E3	-	-	-	-	-	-	-	-
Auxiliary Building Control & Diesel Area El. 120 & 132 Feet														
Electrical Access Area, 5401	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
H&V Wing Area, 5423	H	.25/-.25	-/104/-/5	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 5402	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Control Equipment Room, 5403	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
IE Converter Room, 5446, 5446	H	.25/-.25	-/104/85/40	90/20	0.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Electrical Tray Area, 5405, 5406, 5407, 5408,	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 5409, 5414, 5434	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Class IE Switchgear Room, 5411, 5413, 5415, 5417,	H	.25/-.25	-/90/-/40	90/20	0.0005	2E2	.25/-.25	90	90/20	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (PSIG)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (R/HR)	INTEGR. DOSE (RAD)(2)	ABNORMAL CONDITIONS PRESS (PSIG)	TEMP (°F)	% REL HUMIDITY MAX/MIN	LOCA CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE(2) (RAD)(6,9)
DG Control Room, 5410, 5412, 5414, 5416	M	.25/-.25	85/85/-/40	90/20	0.0005	2E2	.25/-.25	85	90/20	-	-	-	-	-
Electrical Tray Area, 5419, 5421, 5422, 5420	M	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Auxiliary Building El. 137 & 145 Feet														
Uncontrolled Locker Area, 3514, 3515	M	.25/-.25	-/80/-/60	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor 3543	M	.25/-.25	-/85/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3539, 3544, 3542	M	.25/-.25	-/85/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Central Monitors Area, 3534	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Electrical Tray Room, 3510	M	.25/-.25	-/80/-/60	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Areas 3509	M	.25/-.25	-/80/-/60	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Controlled Corridor, 3512	M	.25/-.25	-/90/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Health and Physics Office Area, 3536	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Information Area, 3501	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 3502, 3505	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Storage Room 3503	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Personnel Toilet, 3513	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 3515	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Drying Area, 3516	M	.25/-.25	-/82/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Personnel Showers, 3517	M	.25/-.25	-/82/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	EQUIPMENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (mg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (mg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Controlled Locker Area, 3520	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Clean Clothing Issue, 3521	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Toilet Room, 3522	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Controlled Corridor, 3522	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Access Area, 3533	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Decontamination Area, 3535	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Disrobe Area, 3536	M	.25/-.25	-/82/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3540	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Disrobe Area, 3523	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Supervisor's Lockers, 3524	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Toilet Room, 3530	M	.25/-.25	-/84/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Drying Area, 3531	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Shower Area, 3532	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Clean Clothing Issue Room 3541	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Shower Room, 3526	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Drying Area, 3527	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Supervisors Uncontrolled Lockers, 3525	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Entry, 3529	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Auxiliary Decontamination Area, 3547	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Disrobe Area, 3543	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-

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TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

		NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS			DBE CONDITIONS				
AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	PRESS MAX/MIN (wg)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	PRESS (wg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Shower Room 3549	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Drying Area 3550	M	.25/-.25	-/90/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Toilet Room 3552	M	.25/-.25	-/85/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Conference Room 3546	M	.25/-.25	-/80/-/60	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Telephone Equipment Room 3545	M	.25/-.25	-/90/-/60	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Controlled Corridor 3551	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Janitor Room 3553	M	.25/-.25	-/83/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Hamper Store Room 3554	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Controlled Locker Room 3556	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Disrobe Area, 3578	M	.25/-.25	-/80/-/60	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Auxiliary Uncontrolled Locker Room, 3557	M	.25/-.25	-/90/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Entry, 3561	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Toilet Room, 3558	M	.25/-.25	-/85/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Drying Area, 3559	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Shower Area, 3560	M	.25/-.25	-/84/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 3564	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Standard Room, 3565	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Storage Room, 3566	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Reproduction Room, 3567	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Emergency Clothing Room, 3516	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Vestibule 3573	M	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVE/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIA) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR) (5,7)	LOCA INTEGR SHINE DOSE (RAD) (6,9)
Uncontrolled Laundry Room 3508	H	.25/-.25	-/85/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Janitor Room, 3507	H	.25/-.25	-/99/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Towel Storage Issue Room, 3508	H	.25/-.25	-/85/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Dosimetry Lab. Area, 3511	H	.25/-.25	-/80/-/68	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Storage, 3555	H	.25/-.25	-/85/-/60	90/20	.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3508	H	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Uncontrolled Inst. Shop, 3562	H	.25/-.25	-/80/-/60	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Office, 3569, 3568	H	.25/-.25	-/80/-/66	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Controlled Inst. Shop, 3571	H	.25/-.25	-/90/-/66	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Corridor, 3572, 3570	H	.25/-.25	-/85/-/66	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Remote Shutdown Panel Room 3576	H	.25/-.25	-/78/76/74	90/20	.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Computer Service Room 3573	H	.25/-.25	-/80/-/60	90/20	.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Corridor, 3503	H	.25/-.25	-/80/-/66	90/20	.0005	2E2	-	-	-	-	-	-	-	-
Area, 3574	H	.25/-.25	-/80/-/66	90/20	.0005	2E2	-	-	-	-	-	-	-	-
HEPA Filter Room 3580	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Access Area 3582	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Entrant Separation Room 3583	H	.25/-.25	-/104/-/40	90/20	0.60	2.4E3	-	-	-	-	-	-	-	-
Vapor Duct Room 3584	H	.25/-.25	-/104/-/40	90/20	100	3.5E7	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESIGNATION & ROOM NUMBER	ENVIRON-MENT (1)	NORMAL OPERATING CONDITIONS PRESS MAX/MIN (psig)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	MAX DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD) (2)	ABNORMAL CONDITIONS PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	DBE CONDITIONS PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD) (8,9)
Auxiliary Building Control & Diesel Area El. 137 & 145 Feet														
Watch Engineer's Office 5509	H	.25/0	78/78/78/74	50/40	0.0005	2E2	.25/-.25	89	90/20	-	-	-	-	-
Corridor, 5502, 5512, and Instr-Viewing 5503	H	.25/0	78/78/78/74	50/40	0.0005	2E2	-	-	-	-	-	-	-	-
Areas 5504, 5505, 5507, 5508,	H	.25/0	78/78/78/74	50/40	0.0005	2E2	-	-	-	-	-	-	-	-
Ready Room, 5511	H	.25/0	78/78/78/74	50/40	0.0005	2E2	-	-	-	-	-	-	-	-
Areas 5514, 5513	H	.25/-.25	78/78/78/74	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor, 5525	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Vestibule, 5526	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Battery Room, 5539, 5541, 5543, 5545	H	0/-.25	77/60/77/74	90/5	0.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Battery Charger Room, 5538, 5540, 5542, 5544	H	.25/-.25	-/85/-/40	90/20	0.0005	2E2	.25/-.25	104	90/20	-	-	-	-	-
Electrical Cable Chase, 5531, 5532, 5533, 5534	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Roof Chase, 5535	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Passageway, 5531, 5540	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Control Room 5510	H	.25/0	78/73/78/74	50/40	0.0005	2E2	.25/-.25	73	50/40	-	-	-	-	-
Electrical Access 5501	H	.25/-.25	92/92/91/40	50/40	0.0005	2E2	.25/-.25	92	90/20	-	-	-	-	-
Computer Room 5515	H	.25/0	78/78/78/74	50/40	0.0005	2E2	.25/-.25	91	90/20	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

		NORMAL OPERATING CONDITIONS					ABNORMAL CONDITIONS			DBE CONDITIONS				
AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT (1)	PRESS MAX/MIN (Wg)	TEMP (°F) TEST/MAX/AVG/MIN	% REL HUMIDITY MAX/MIN	DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD)(2)	PRESS (Wg)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR SHINE DOSE (RAD)(8,9)
Auxiliary Building El. 153'-0" & 162'-0"														
H&V Equipment Area 3001, 3002	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
H&V Equipment Room 3003	H	.25/-.25	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Corridor 3004, 3006	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
R/B Exhaust System 3008	H	.25/-.25	-/104/-/40	90/20	0.1	3.5E4	-	-	-	-	-	-	-	-
Wing Area Supply Unit, 3009	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
H&V Equipment Area, 3005,	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Unassigned 3007	H	.25/-.25	-/104/-/40	90/20	0.0025	8.8E2	-	-	-	-	-	-	-	-
Mechanical Room 3013	H	.25/-.25	-/104/-/40	90/20	0.0025	6.8E2	-	109	-	-	-	-	-	-
El. 155'-3" & 163'-6"														
Vestibule 5001	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Control Area HVAC Equip Rm 5002, 5030	H	.25/-.25	106/106/104/40	90/20	0.0005	2E2	.25/-.25	106	90/20	-	-	-	-	-
IE Panel Control Equip Rm 5005	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
Corridor 5004, 5006, 5010, 5013, 5012, 5025	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-
HVAC Switchgear Equipment Room, 5008, 5029	H	.25/-.25	-/104/-/40	90/20	0.0005	2E2	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER	ENVIRON-MENT	NORMAL OPERATING CONDITIONS				ABNORMAL CONDITIONS			DBE CONDITIONS				
		PRESS MAX/MIN ("wg)	TEMP (°F) TEST/MAX/MEL/MIN	% REL HUMIDITY MAX/MIN	DOSE RATE (RAD/HR)	INTEGR. DOSE (RAD)(2)	PRESS (psig)	TEMP (°F)	% REL HUMIDITY MAX/MIN	PRESS (PSIG) (3)	TEMP (°F) (3)	% REL HUMIDITY (3)	MAX LOCA DOSE RATE (RAD/HR)(5,7)	LOCA INTEGR 30DAY DOSE (RAD) (8,9)
Inverter Room 5607, 5613, 5615, 5616, 5622, 5623, 5629, 5631, 5628	A	.25/-.25	-/85/-/40	90/20	0.0005	252	.25	120	90/20	-	-	-	-	-
Battery Rooms (U) 5609, 5614	A	.25/-.25	77/90/77/74	90/5	0.0005	252	.25	120	90/20	-	-	-	-	-
Battery Rooms (Non-U) 5608, 5627	B	.25/-.25	77/90/77/74	90/5	0.0005	252	-	-	-	-	-	-	-	-
HVAC Equip EE Panel Room 5620	A	.25/-.25	-/104/-/40	90/20	0.0005	252	.25	120	90/20	-	-	-	-	-
Electrical Room 5619	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	109	-	-	-	-	-	-
Auxiliary Building El. 771'-0" & 701'-0"														
Elevator Machine Room 5701	A	0.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Ducts & Main Vent Stack Enclosure 5702, 5703	A	1/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Auxiliary Building Control & Diesel Area										-	-	-	-	-
El. 730'-0" & 755'-0"														
Elevator Machine Room 5702	B	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Corridor 5702	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Diesel Area HVAC Equipment Room 5704	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Corridor, 5705, 5706	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
HVAC Equipment Room 5703	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-
Elevator Machine Room 5711	A	.25/-.25	-/104/-/40	90/20	0.0005	252	-	-	-	-	-	-	-	-

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

AREA DESCRIPTION & ROOM NUMBER [illegible]	ENVIRON-MENT (1) [illegible]	NORMAL OPERATING CONDITIONS: PRESS MAX/MIN (PSIG) [illegible]	NORMAL OPERATING CONDITIONS: TEMP (°F) TEST/MAX/NORM/MIN [illegible]	NORMAL OPERATING CONDITIONS: % REL HUMIDITY MAX/MIN [illegible]	NORMAL OPERATING CONDITIONS: RAD DOSE RATE (RAD/HR) [illegible]	NORMAL OPERATING CONDITIONS: TOTAL DOSE (RAD) (2) [illegible]	ABNORMAL CONDITIONS: PRESS (PSIG) [illegible]	ABNORMAL CONDITIONS: TEMP (°F) [illegible]	ABNORMAL CONDITIONS: % REL HUMIDITY MAX/MIN [illegible]	DBE CONDITIONS: PRESS (PSIG) (3)	DBE CONDITIONS: TEMP (°F) (3)	DBE CONDITIONS: % REL HUMIDITY (3)	DBE CONDITIONS: MAX LOCA DOSE RATE (RAD/HR)(5,7)	DBE CONDITIONS: LOCA INTEGR SHINE DOSE (RAD) (8,9)
Intake Structure El 71' - 6"														
Pipe Tunnel 101,102	M	ATM	-/104/-/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Intake Structure El 79' - 8"														
Pipe Tunnel 104,106,108, 109	M	ATM	-/104/-/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Receiver Room 105,107,110	M	ATM	-/94/62/60	100/20	0.0005	200	ATM	94	100/20	ATM	94	100/20	Negligible	Negligible
Intake Structure El 87' - 8"														
Electrical Tunnel 111,112 113, 114	M	ATM	-/104/-/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Intake Structure El 93' - 0"														
Motor Control Center Area 201,203,205 207	M	ATM	-/104/78/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Pump Room 202,204,206,208	M	ATM	-/104/76/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Intake Structure El 107'														
Traveling Screen Control Area 209,210, 211,212	M	ATM	-/104/78/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Intake Structure El 122 ft														
Intake Fan Room 303,306 309,312	M	ATM	-/94/60/5	100/20	0.0005	200	ATM	94	100/20	ATM	94	100/20	Negligible	Negligible
Exhaust Fan Room 302,305 308,311	M	ATM	-/104/60/5	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible
Stairwell 301,304, 307,3109	M	ATM	-/104/78/60	100/20	0.0005	200	ATM	104	100/20	ATM	104	100/20	Negligible	Negligible

TABLE 6 (Cont'd)
NORMAL AND MAXIMUM PLANT ENVIRONMENTAL CONDITIONS

NOTES:

1. Environment for which equipment should be qualified for:
M-Mild- Defines an environment which, during or after a design basis event (DBE), does not experience an environment that is significantly more severe than that existing during normal and abnormal events.
Mild environment may also be simplified to define an environment with conditions of temperature, pressure, and humidity within the following normal ambient ranges:]2

T (40-120°F),
P (1.0/-0.25 Wg),
H (5-90%)
Radiation TID $\leq$ 1.0 x 10^{+3} Rad/40y

H - Harsh - Defines an environment that exceeds the conditions specified under mild environment.]2

2. Integrated dose rate is calculated using the average dose rate during normal operation.

3. The duration that the given temperature and pressure will exist is 100 days unless otherwise specified.

4. Pressure will be at its maximum value for 30 minutes at which time it will drop to 0 psig for the remainder of the 100 days.

5. Temperature will be at its maximum value for 30 minutes at which time it will drop to 148°F for the remainder of the 100 days.

6. Relative Humidity will be at its maximum value for either 30 minutes or 6 hours, (as indicated) at which time it will drop to 95% R.H. for the remainder of the 100 days.

7. Dose rate is for gamma radiation calculated at 0 hours after DBE unless otherwise specified.

8. The LOCA integrated dose is for gamma radiation for a period of 180 days after DBE unless otherwise specified.

9. Dose rates and integrated does values given above do not include post-DBE airborne cloud contributions. These contributions are shown below:

o Reactor Building Airborne:	gamma:	6.8E1 rad/hr (at 8 hr)	2.5E4 rad
	beta:	1.9E3 rad/hr (at 96 hr)	1.1E6 rad
o Turbine Building Airborne	gamma:	2.6E-2 rad/hr (at 6 hr)	1.4E0 rad
	beta:	8.7E-2 rad/hr (at 8 hr)	2.0E1 rad
o Control Building Airborne	gamma:	7.7E-3 rad/hr (at 6 hr)	5.5E-1 rad
	beta:	6.4E-2 rad/hr (at 8 hr)	1.9E1 rad
o Service Area	gamma:	1.2E-2 rad/hr (at 6 hr)	6.4E-1 rad
	beta:	8.7E-2 rad/hr (at 8 hr)	2.0E1 rad
o Radwaste Area	gamma:	1.5E-2 rad/hr (at 6 hr)	7.9E-1 rad
	beta:	8.7E-2 rad/hr (at 8 hr)	2.0E1 rad

*This definition of mild environment does not addressed the post-accident function of components prior to experiencing the full burden of DBE environment. See PLB-5916 and FSAR Section 3.11.

Table 7

Reactor Building Internal Flooding Depths (2,5)

Room Description	Flood Depth(1) (ft)
El 54 ft	
Torus	
Water Filter Pump Room 4101	8.5
Core Spray Pump Rooms 4104, 4105, 4116, 4118	6.5
CRW/DRW Pump Room 4106	2.0
CRW/DRW Pump Room 4115	2.0
RHR Pump Room 4107, 4114	6.0
Electrical Equipment Room 4108	0.0
RHR Pump and HX Room 4109, 4113	8.0
Electrical Equipment Room 4112	N/A
RC1C Pump Room 4110	1.5
HPCI Pump Room 4111	9.0
Torus Area Room 4102	17.0
El 77 ft	
Motor Control Center, 4201	N/A

Room	Description	Flood Depth(1) (ft)	
	Safeguard Instr. Rooms 4210, 4219	1.0	
	CRD Pump Room, 4202	1.5	
	Corridor 4203	4.5	
	Motor Control Center 4205	2.0	
	RHR HX Room, 4214	N/A	
	RACS HX & Pump Rooms, 4211, 4209, 4213	1.0	]2
	Motor Control Center, 4215	3.5	
	Corridor, 4216	1.5	
	Motor Control Center, 4218	N/A	
	RHR HX Room, 4208	N/A	
El 102 ft			
	SACS Pump & HX Rooms, 4309 & 4307	2.0	
	RPT Breaker Room, 4301	0.6	
	Motor Control Center, 4303	0.6	
	Equipment Air Lock, 4323	1.3	
	Drywell Access Room, 4330	4.6	

Room	Description	Flood Depth(1) (ft)	
	CRD Removal, Repair, and Storage Areas 4326, 4333	0.4	] 2
	CRD Hydraulic Rooms, 4320, 4328	0.4	
	Personnel & Equipment Access Area, 4322, 4331	0.4	
	CRD Master Control Area & Corridor, 4317, 4315	0.4	
	Main Steam Tunnel, Room 4316	28	
	El 132 ft		
	RWCU Recirc Pump Rooms, 4405, 4403	4.9	
	All other areas of elev. 132 ft.	0.24	] 2
	El. 145 ft		
	RWCU Filter Demin Pumps 4502	13.3	
	RWCU Filter Demin Pumps 4503	15.2	
	RWCU HX Room 4506	2.7	
	All Other Areas of Elev. 145 Ft.	0.5	] 2

Room	Description	Flood Depth(1) (ft)
El. 162 ft all areas (3)		0.31
El. 178 ft all areas (4)		0.3

Notes

(1) Flood depths include a 50% safety factor

(2) Areas not identified have no moderate energy piping in them and will not see a flooding condition.

(3) No flooding is expected in the following rooms;
RWCU Filter/Demin Area 4620, 4621
Vault area 4610

(4) No flooding is expected in the following rooms;
Isolation Valve Room 4624
Electrical Access Area 4619

(5) This table does not include flood depth in those normally flooded compartments (e.g. spent fuel pool)

BWR Drywell Temperature Envelope
10855-D7.5, Rev.2

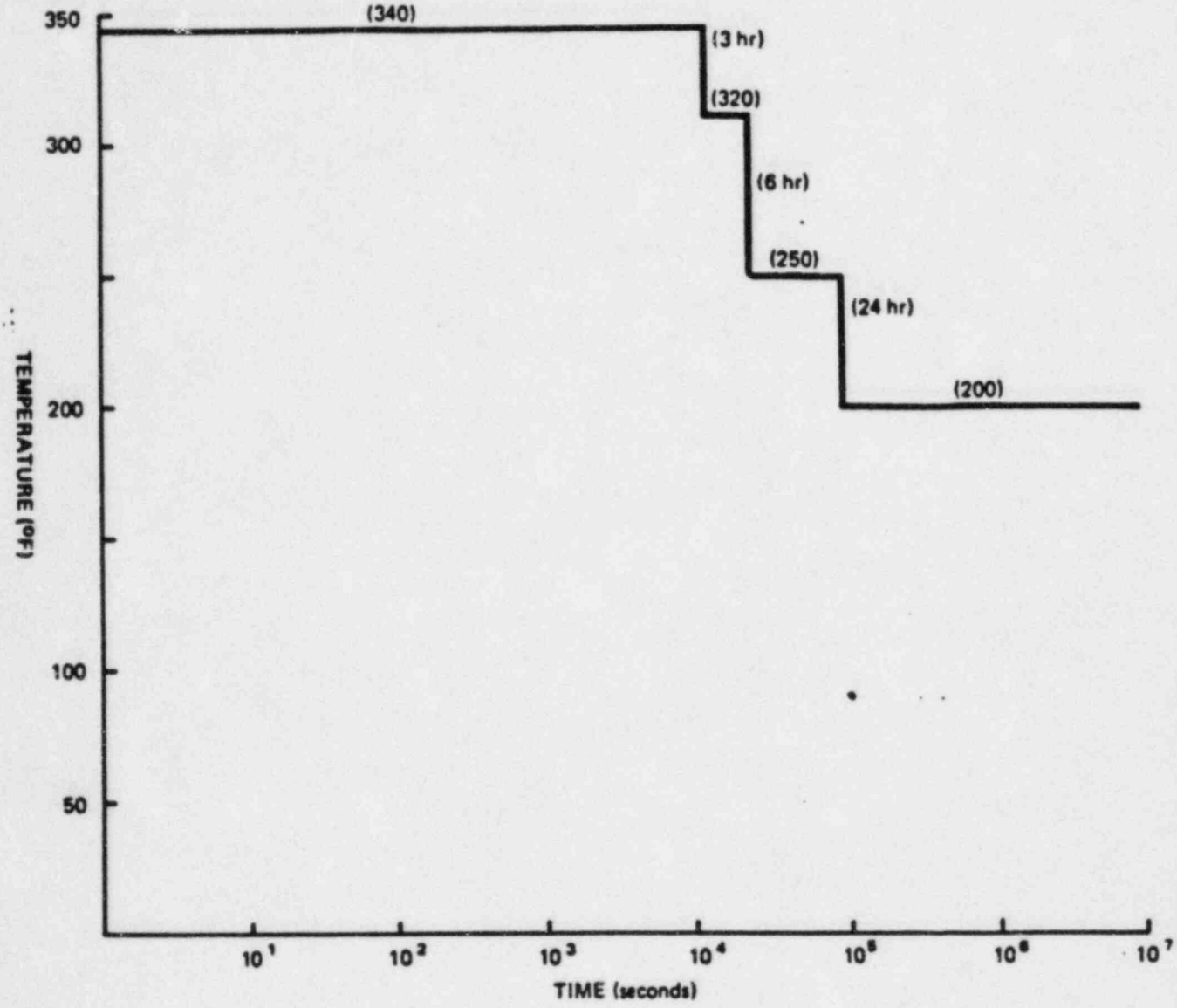

Figure 2
Page 87

SAMPLE ENVIRONMENTAL DATA SHEET

GENERAL

1. Normal Operating Conditions

Temperature: Test _____°F, Max. _____°F
Average _____°F, Min. _____°F
Pressure: Max._____
Min._____

Relative humidity: Normal _____%, Max._____%, Min. _____%
Total integrated radiation dose _____Rads.
Maximum Dose Rate _____Rad/h Gamma
Maximum Dose Rate _____Rad/h Neutron

2. Abnormal Event Conditions
Temperature _____°F
Pressure _____
Humidity _____
Duration _____, Frequency _____

3. Design Basis Event Conditions
(Listed in order of occurrence)

Duration	Temp (°F)	Press. (psig)	Humidity (%)

Total integrated radiation dose over above period:

Gamma _____ Rads
Beta _____ Rads

Maximum Dose Rate:
Gamma _____ Rad/h
Beta _____ Rad/h

FIGURE 3

SAMPLE ENVIRONMENTAL DATA SHEET Item No._____

DUCTS AND VALVES

A. CONDITIONS INSIDE DUCTS/VALVES

1. Normal operating conditions

Temperature: Average _____°F, Min. _____°F
Max. _____°F

Pressure: Max. _____ Min. _____

Relative humidity: Normal _____%, Max. _____%, Min. _____%

Total integrated radiation dose _____Rads.

Maximum Dose Rate _____ Rad/h Gamma

Maximum Dose Rate _____ Rad/h Neutron

2. Abnormal operating conditions

Temperature _____°F

Pressure _____°F

Relative humidity: Max. _____%, Min. _____%

Duration _____, Frequency _____

3. Pipe break outside containment

Duration	Temp (°F)	Press. (psig)	Humidity (%)

Total integrated radiation dose over above period:

Gamma: _____ Rads

Beta: _____ Rads

Maximum Dose Rate:

Gamma: _____ Rad/h

Beta: _____ Rad/h

FIGURE 4

4. Loss of coolant accident (LOCA)

Duration	Temp (°F)	Press. (psig)	Humidity (%)

Total integrated radiation dose over above period:

Gamma _____ Rads
Beta _____ Rads

Maximum dose rate:
Gamma _____ Rad/hr
Beta _____ Rad/hr

B. ENVIRONMENTAL CONDITIONS OUTSIDE DUCTS/VALVES

1. Normal operating conditions

Temperature: Test _____°F
Average _____°F, Min. _____°F
Max. _____°F

Relative humidity: Average _____%, Max. _____%,
Min. _____%

Total integrated radiation dose _____Rads.

2. Abnormal operating conditions

Temperature _____°F
Pressure _____°F
Relative humidity: Max. _____%, Min. _____%

FIGURE 4 (Cont'd)

3. Worst accident conditions

Duration	Temp (°F)	Press. (psig)	Humidity (%)

Total integrated radiation dose over above period

Gamma _____ Rads

Beta _____ Rads

Maximum dose rate: Gamma _____ Rad/hr

Beta _____ Rad/hr

FIGURE 4 (Cont'd)

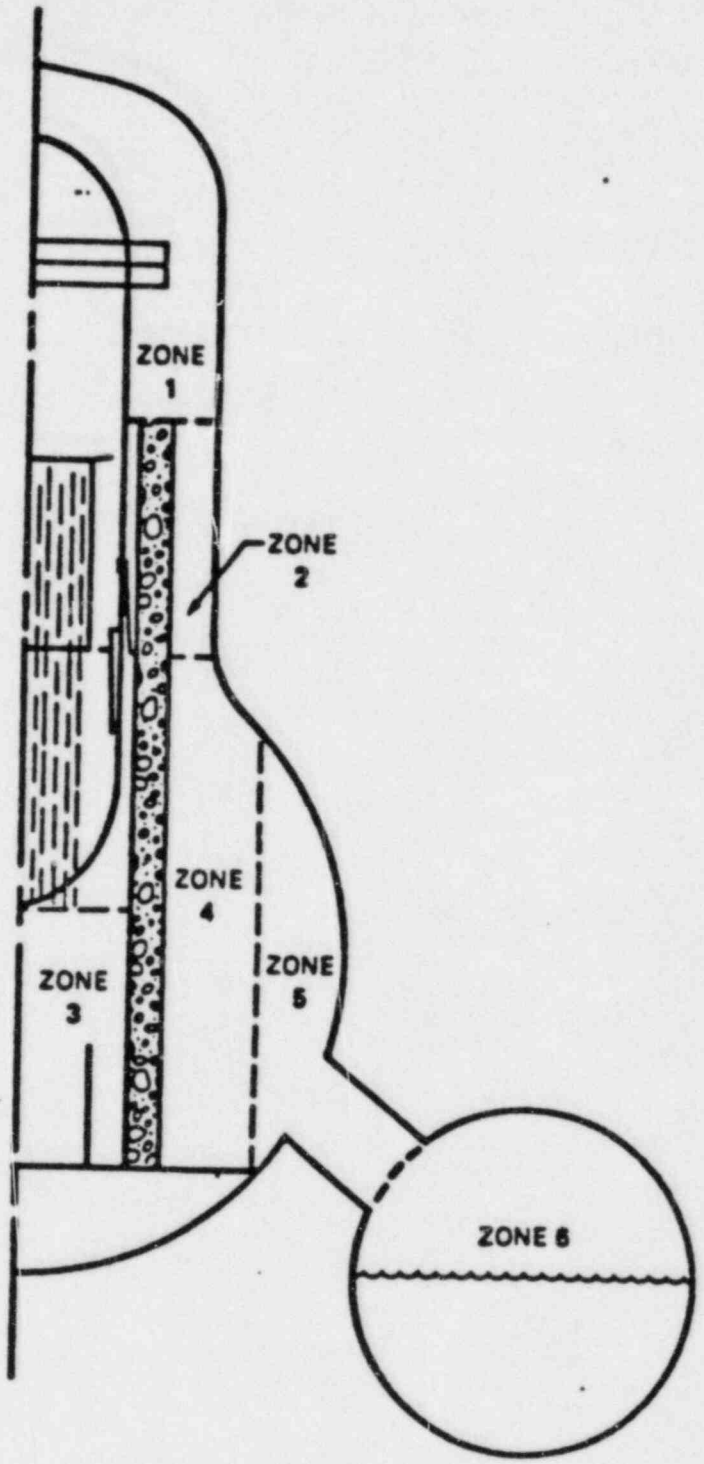

Figure 5
Primary Containment Zones

FIGURE 6

PRIMARY CONTAINMENT TEMPERATURE RESPONSE - LOSS OF OFFSITE POWER

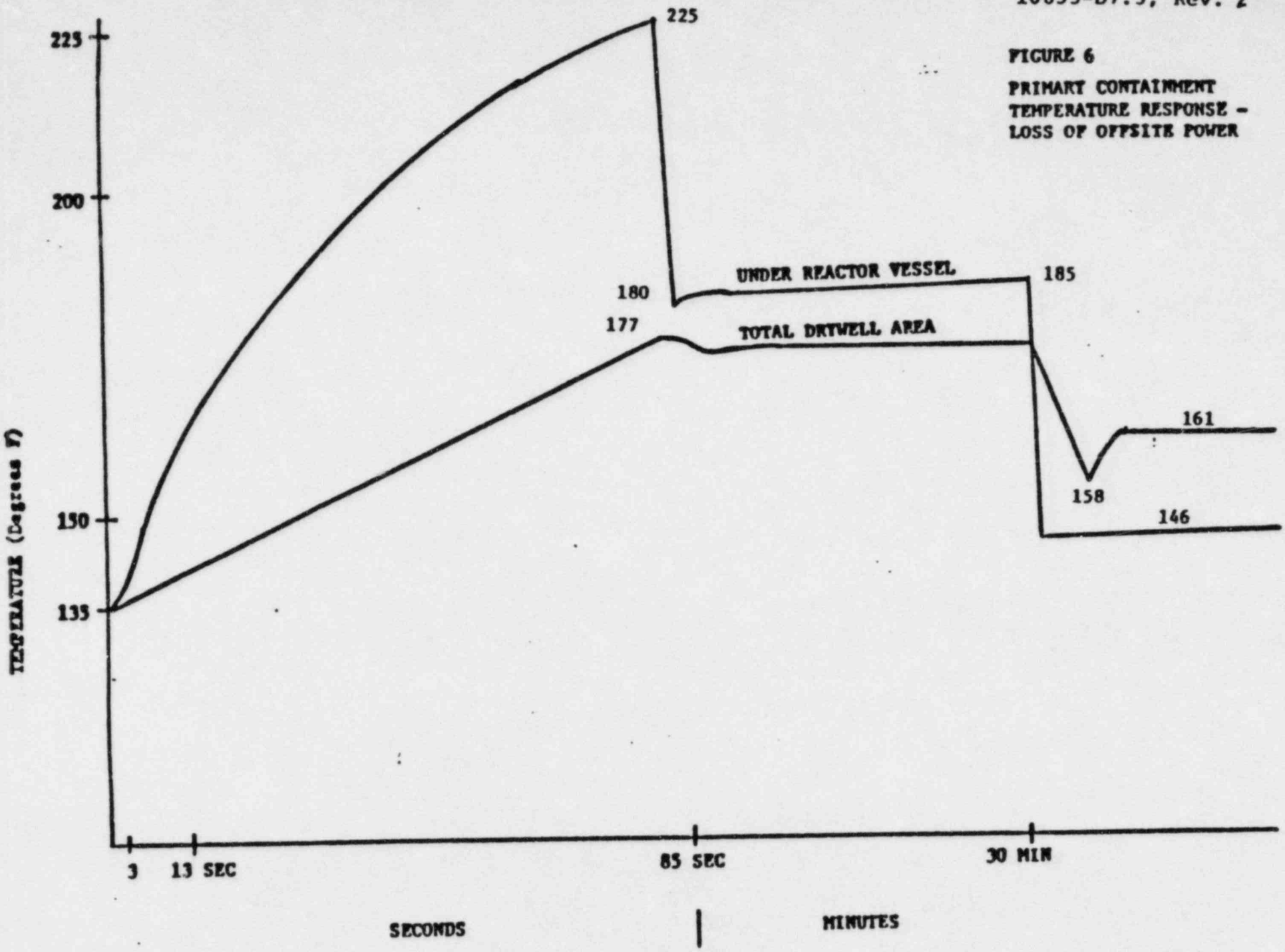

FIGURE 7

PRIMARY CONTAINMENT
PRESSURE RESPONSE -
LOSS OF OFFSITE POWER

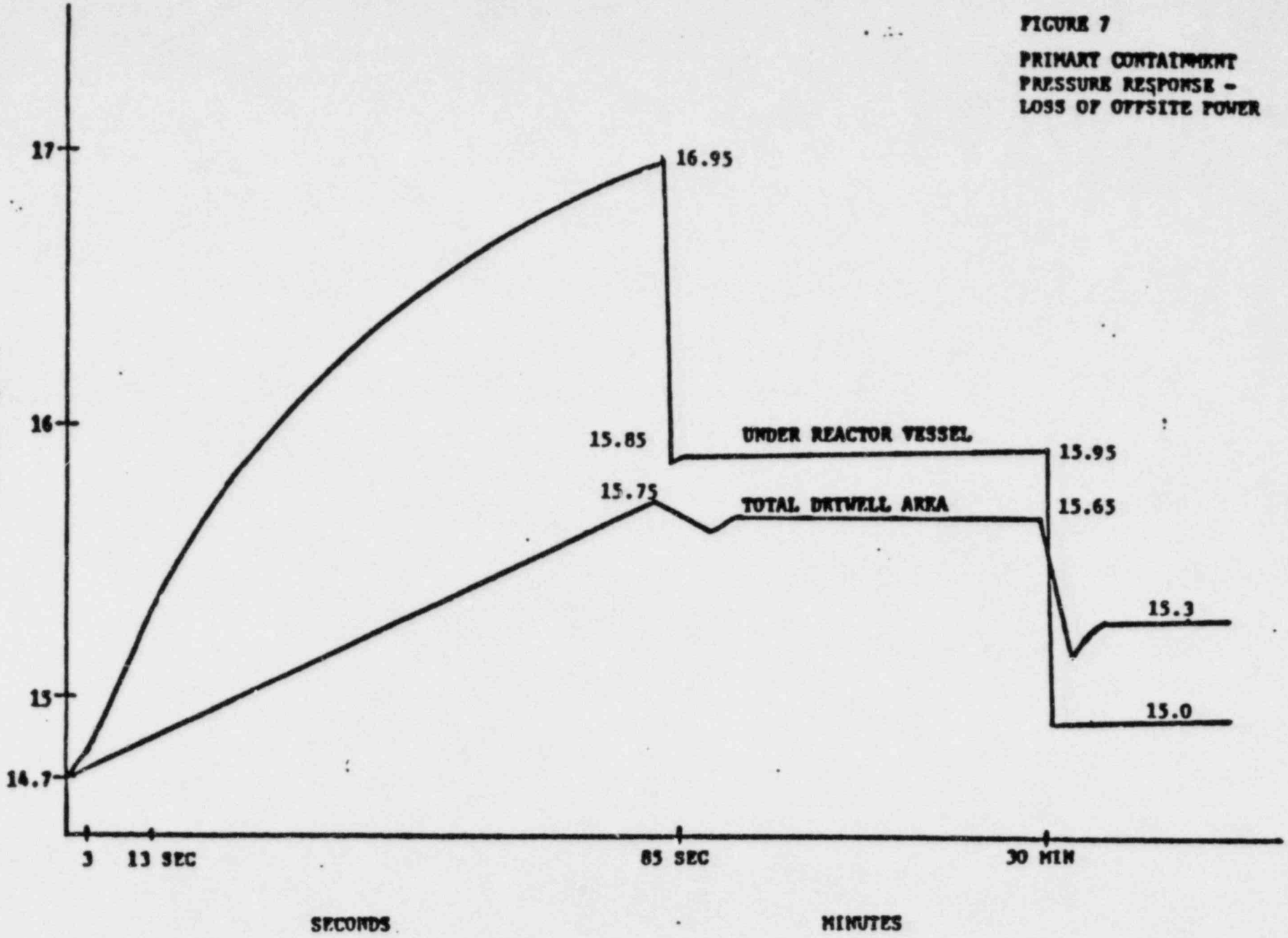

FIGURE 8

WETWELL PRESSURE ENVELOPE - DBE

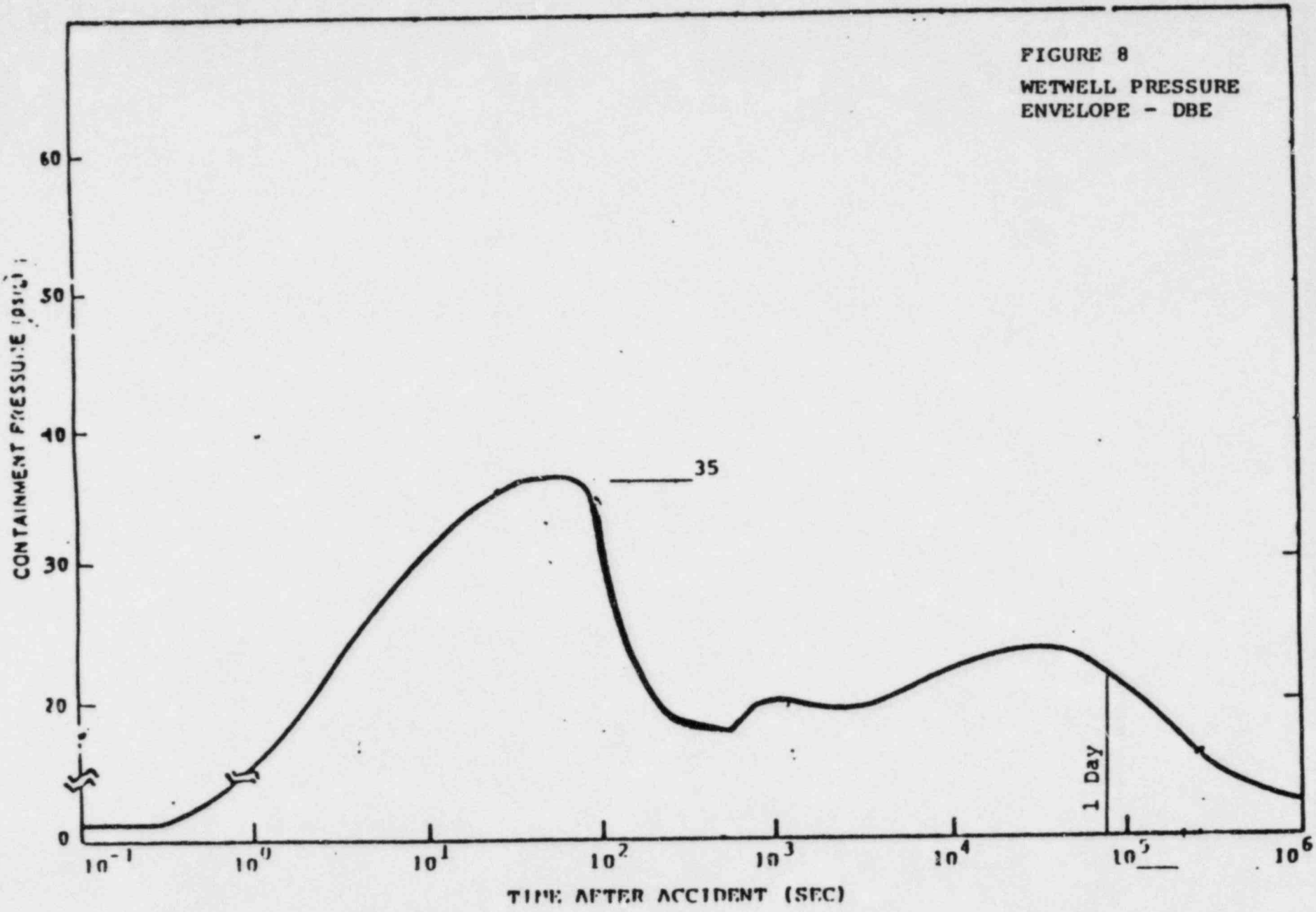

FIGURE 9

WETWELL TEMPERATURE ENVELOPE - DBE