



JUL 07 2011
L-2011-223
10 CFR 50.90

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555-0001

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Response to NRC Request for Additional Information (RAI) Regarding
Extended Power Uprate (EPU) License Amendment Request (LAR) No. 205 and
Electrical Engineering Branch Issues

References:

- (1) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2010-113), "License Amendment Request for Extended Power Uprate (LAR 205)," (TAC Nos. ME4907 and ME4908), Accession No. ML103560169, October 21, 2010.
- (2) Email from J. Paige (NRC) to T. Abbatiello (FPL), "Turkey Point EPU – Electrical Engineering (EEEB) Request for Additional Information – Round 1," Accession No. ML110610719, March 2, 2011.
- (3) M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2011-081), "Response to NRC Request for Additional Information (RAI) Regarding Extended Power Uprate (EPU) License Amendment Request (LAR) No. 205 and Electrical Engineering Branch Issues," Accession No. ML110940179, March 31, 2011.
- (4) Email from J. Paige (NRC) to S. Hale (FPL) "Turkey Point EPU – Electrical Engineering (EEEB) Request for Additional Information – Round 2," Accession No. ML11160A156, June 9, 2011.

By letter L-2010-113 dated October 21, 2010 [Reference 1], Florida Power and Light (FPL) Company requested to amend Facility Operating Licenses DPR-31 and DPR-41 and revise the Turkey Point Units 3 and 4 Technical Specifications (TS). The proposed amendment will increase each unit's licensed core power level from 2300 megawatts thermal (MWt) to 2644 MWt and revise the Renewed Facility Operating Licenses and TS to support operation at this increased core thermal power level. This represents an approximate increase of 15% and is therefore considered an extended power uprate (EPU).

On March 2, 2011, FPL received an RAI via email from the U.S. Nuclear Regulatory Commission (NRC) Project Manager (PM) [Reference 2] regarding electrical engineering issues associated with the EPU Licensing Report. FPL provided responses to the RAI questions via FPL letter L-2011-081, dated March 31, 2011 [Reference 3].

By email from the NRC PM dated June 9, 2011 [Reference 4], additional information was requested by the NRC staff to support further review of the EPU LAR. The RAI consisted of two (2) questions pertaining to the RAI responses provided in Reference 3. These RAI questions and the FPL responses are documented in the Attachment to this letter.

A001
NRC

In accordance with 10 CFR 50.91(b)(1), a copy of this letter is being forwarded to the State Designee of Florida.

This submittal does not alter the significant hazards consideration or environmental assessment previously submitted by FPL letter L-2010-113 [Reference 1].

This submittal contains no new commitments and no revisions to existing commitments.

Should you have any questions regarding this submittal, please contact Mr. Robert J. Tomonto, Licensing Manager, at (305) 246-7327.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on July 7, 2011.

Very truly yours,

A handwritten signature in cursive script that reads "Em Medley for M. Kiley".

Michael Kiley
Site Vice President
Turkey Point Nuclear Plant

Attachment

cc: USNRC Regional Administrator, Region II
USNRC Project Manager, Turkey Point Nuclear Plant
USNRC Resident Inspector, Turkey Point Nuclear Plant
Mr. W. A. Passetti, Florida Department of Health

Turkey Point Units 3 and 4

RESPONSE TO NRC RAI REGARDING EPU LAR NO. 205
AND EEEB ELECTRICAL ENGINEERING BRANCH ISSUES

ATTACHMENT

Response to Request for Additional Information

The following information is provided by Florida Power & Light Company (FPL) in response to the U. S. Nuclear Regulatory Commission's (NRC) Request for Additional Information (RAI). This information was requested to support the review of License Amendment Request (LAR) No. 205, Extended Power Uprate (EPU), for Turkey Point Nuclear Plant (PTN) Units 3 and 4 that was submitted to the NRC by FPL letter L-2010-113 on October 21, 2010 [Reference 1].

On March 2, 2011, FPL received an RAI via email from the NRC Project Manager (PM) regarding electrical engineering issues associated with FPL's request to implement the EPU [Reference 2]. FPL provided responses to the RAI questions via FPL letter L-2011-081, dated March 31, 2011 [Reference 3].

In an email dated June 9, 2011 [Reference 4], the NRC staff requested additional information regarding FPL's request to implement the EPU. The RAI consisted of two questions from the NRC Electrical Engineering Branch (EEEB). These RAI questions and the applicable FPL responses are documented below.

EEEB-2.1 Provide the normal and accident radiation dose levels for all areas in which environmentally qualified equipment is installed in tabular form showing the Pre-EPU, EPU conditions, and qualified doses. In the table(s), identify any equipment qualified based on replacement or further evaluation (such as cables discussed in the licensee's response letter dated March 11, 2011).

Table 2.1-1 below provides the pre-EPU and EPU radiation values for the EQ Documentation Packages (EQ Doc Pacs) that comprise the EQ Program at Turkey Point Units 3 & 4 Nuclear Power plant.

The following doses are identified in the table:

1. Normal operating plant dose (NOP) – 60 year normal operating dose
2. Gamma accident dose – LOCA (unless indicated)
3. Total integrated dose (TID) – NOP plus accident dose
4. Equipment Qualification dose – from the EQ Doc Pacs

Note: A beta dose of $1.36\text{E}7$ Rads (adjusted for cable insulation thickness) are included for cables inside containment.

The equipment that required further evaluation is listed on Table 2.1-2. These equipment outliers outside containment were evaluated as discussed in EEEB branch RAI response 1.3 b as contained in letter L-2011-081 dated March 31, 2011 [Reference 3]. The outliers inside containment were evaluated based on location specific evaluations as further described in EEEB branch RAI response 1.3 b as contained in Reference 3.

Table 2.1-1 – EPU and Pre-EPU EQ Dose Comparison

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CABLE CODE LT1	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE LP1	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE LP4	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE LP7	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C22	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C32	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C52	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C72	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C92	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B75	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
LT-3-6308A (2 THRU 5)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-3-6308A-1	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-3-6308B (2 THRU 5)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-3-6308B-1	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-3-6309A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.16E+08	
LT-3-6309B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.16E+08	
LT-4-6308A (2 THRU 5)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-4-6308A-1	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-4-6308B (2 THRU 5)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-4-6308B-1	5.25E+05	3.95E+07	4.00E+07	3.69E+07	1.57E+06	3.85E+07	1.16E+08	
LT-4-6309A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.16E+08	
LT-4-6309B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.16E+08	
RAD-3-6311A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
RAD-4-6311A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
RAD-4-6311B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
RAD-3-6311B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE N6	1.31E+03	2.46E+06	2.46E+06	1.31E+03	2.93E+06	2.93E+06	3.00E+06	Location Specific Dose
CABLE CODE 60	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE 61	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
JPR WIRE - GE	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
TB-EB-25	5.26E+04	7.45E+06	7.50E+06	1.31E+03	1.10E+07	1.10E+07	2.04E+08	
TB-EB-5	5.26E+04	7.45E+06	7.50E+06	1.31E+03	1.10E+07	1.10E+07	2.04E+08	
3N1403-B	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+06	
3N1405-A	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+06	
4N1403-B	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+06	
4N1405-A	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+06	
CABLE CODE MA6R	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE MB6R/MB7R	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
MA1R	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
3V30A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
3V30B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
3V30C	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
4V30A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
4V30B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
4V30C	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	3.00E+08	
MOV-3-535	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-536	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-750	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-751	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-866A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-866B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-3-6386	5.25E+05	2.63E+06	3.15E+06	3.69E+07	4.39E+06	4.13E+07	2.04E+08	
MOV-4-535	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-536	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-750	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-751	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-866A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-866B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
MOV-4-6386	5.25E+05	2.63E+06	3.15E+06	3.69E+07	4.39E+06	4.13E+07	2.04E+08	
MOV-3-744A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.15E+07	4.22E+07	2.00E+08	
MOV-3-744B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.15E+07	4.22E+07	2.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
MOV-4-744A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.15E+07	4.22E+07	2.00E+08	
MOV-4-744B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.15E+07	4.22E+07	2.00E+08	
MOV-3-350	5.26E+04	5.47E+05	6.00E+05	5.26E+04	7.64E+04	1.29E+05	2.00E+07	
MOV-3-843A	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.10E+06	3.10E+06	2.00E+07	
MOV-3-843B	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.10E+06	3.10E+06	2.00E+07	
MOV-3-860A	1.31E+03	6.10E+05	6.10E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-3-860B	1.31E+03	6.10E+05	6.10E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-3-863A	1.31E+03	2.00E+06	2.00E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-3-863B	1.31E+03	2.00E+06	2.00E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-3-869	5.26E+04	7.45E+06	7.50E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+07	
MOV-3-872	5.26E+04	7.45E+06	7.50E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+07	
MOV-3-880A	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.10E+06	3.10E+06	2.00E+07	
MOV-3-880B	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.10E+06	3.10E+06	2.00E+07	
MOV-3-1404	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	2.00E+07	
MOV-4-350	5.26E+04	7.50E+04	1.28E+05	5.26E+04	1.07E+05	1.60E+05	2.00E+07	
MOV-4-843A	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.60E+06	3.60E+06	2.00E+07	
MOV-4-843B	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.60E+06	3.60E+06	2.00E+07	
MOV-4-860A	1.31E+03	6.10E+05	6.10E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-4-860B	1.31E+03	6.10E+05	6.10E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-4-863A	1.31E+03	2.00E+06	2.00E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-4-863B	1.31E+03	2.00E+06	2.00E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
MOV-4-869	5.26E+04	7.45E+06	7.50E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+07	
MOV-4-872	5.26E+04	7.45E+06	7.50E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+07	
MOV-4-880A	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.60E+06	3.60E+06	2.00E+07	
MOV-4-880B	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.60E+06	3.60E+06	2.00E+07	
MOV-4-1404	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	2.00E+07	
MOV-878A	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.90E+06	3.90E+06	2.00E+07	
MOV-878B	1.31E+03	7.49E+05	7.50E+05	1.31E+03	3.50E+06	3.50E+06	2.00E+07	
MOV-3-1403	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+07	
MOV-3-1405	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+07	
MOV-4-1403	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+07	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
MOV-4-1405	MILD	MILD	MILD	1.31E+03	3.10E+04	3.24E+04	1.00E+07	
PCV-3-455C*LS	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
PCV-3-456*LS	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
PCV-4-455C*LS	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
PCV-4-456*LS	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.04E+08	
CV-3-310A*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.04E+08	
CV-3-310B*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.04E+08	
CV-4-310A*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.04E+08	
CV-4-310B*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.04E+08	
CV-3-200A*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-3-200B*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-3-200C*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-4-200A*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-4-200B*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-4-200C*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
POV-3-2601*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
POV-3-2603*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
POV-4-2601*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-4-2819*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.04E+08	
POV-4-2603*LS	5.25E+05	8.05E+05	1.33E+06	6.92E+05	1.57E+06	2.27E+06	2.04E+08	
CV-3-2819*LS	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.04E+08	
CV-3-4658A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-4658B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-4659A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-4659B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-4668A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-4668B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-4658A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-4658B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-4659A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-4659B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CV-4-4668A*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-4668B*LS	5.26E+04	3.82E+05	4.35E+05	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2810*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2812*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2814*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2810*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2812*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2814*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2903*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2904*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2905*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2906*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2907*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-3-2908*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2903*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2904*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2905*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2906*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2907*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
CV-4-2908*LS	5.26E+04	7.51E+06	7.56E+06	5.26E+04	4.80E+06	4.85E+06	2.04E+08	
POV-3-2604*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
POV-3-2605*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
POV-3-2606*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
POV-4-2604*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
POV-4-2605*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
POV-4-2606*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CV-3-6275A*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CV-3-6275B*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CV-3-6275C*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CV-4 6275A*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CV-4-6275B*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CV-4-6275C*LS	MILD	MILD	MILD	MILD	<1.00E+05	MILD	2.04E+08	
CABLE CODE N47	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE N50	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE N52	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE 53	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE 54	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE 55	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE 56	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.00E+08	
CABLE CODE N7	5.26E+04	4.10E+05	4.70E+05	1.31E+03	3.60E+06	3.60E+06	5.00E+06	Location Specific Dose
CABLE CODE 63	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE N20	6.00E+04	2.16E+06	2.22E+06	5.26E+04	4.80E+06	4.85E+06	5.00E+06	Location Specific Dose
CABLE CODE 21	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE 22	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE 23	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE 24	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE 25	6.00E+04	7.54E+06	7.60E+06	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE N13	6.00E+04	6.90E+05	7.50E+05	5.26E+04	7.17E+05	7.70E+05	5.00E+06	Location Specific Dose
CABLE CODE 064	6.00E+04	6.90E+05	7.50E+05	1.31E+03	7.00E+06	7.00E+06	1.00E+07	Location Specific Dose
CABLE CODE 063	6.00E+04	7.50E+06	7.56E+06	1.31E+03	1.10E+07	1.10E+07	7.50E+07	
SPL SLEEVE - WN BUTT	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SPL SLEEVE - WN BOLT	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.15E+08	
SPL SLEEVE - WN SHIM	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.15E+08	
SPL SLEEVE - RNF 100	6.00E+04	7.54E+06	7.55E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+08	
SPL SLEEVE-NHVT	6.00E+04	7.54E+06	7.55E+06	1.31E+03	1.09E+07	1.10E+07	2.00E+08	
SPL SLEEVE-NMCK-8(L)	6.00E+04	7.54E+06	7.55E+06	1.31E+03	1.09E+07	1.10E+07	5.00E+07	
NEW RAYCHEM	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.15E+08	
SPL SLEEVE NMCK	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.90E+08	
SPL SLEEVE NESK	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SPL SLEEVE NCBK	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SPL SLEEVE NPK	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
SPL SLEEVE NPKV	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.15E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
NEW RAYCHEM	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.15E+08	
3N214A	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.09E+06	3.10E+06	1.00E+07	
3N214B	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.09E+06	3.10E+06	1.00E+07	
4N214A	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.60E+06	3.60E+06	1.00E+07	
4N214B	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.60E+06	3.60E+06	1.00E+07	
3N215A	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.90E+06	3.90E+06	1.00E+07	
3N215B	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.90E+06	3.90E+06	1.00E+07	
4N215A	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.50E+06	3.50E+06	1.00E+07	
4N215B	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.50E+06	3.50E+06	1.00E+07	
3N210A	5.26E+04	6.98E+05	7.51E+05	5.26E+04	4.80E+06	4.85E+06	1.00E+07	
4N210A	1.31E+03	7.50E+05	7.51E+05	1.31E+03	3.35E+04	3.48E+04	1.00E+07	
CABLE CODE LT1	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
JPR WIRE ROCK-RD	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
JPR WIRE ROCK-CH	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B04A/B14	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B05A	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B06A/B15	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B023	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B063	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B077	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B083	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B13	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B17	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B18	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B28	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B38	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B45	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B57	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE C25	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE C30	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE C50	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CABLE CODE C70	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE C120	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE C162	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE LP3	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE LP5	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE LP6	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE LP8	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE B42A	5.25E+05	4.94E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
JPR WIRE SIS	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	9.33E+07	1.84E+08	
FT-3-122	1.31E+03	2.79E+05	2.80E+05	5.26E+04	4.80E+06	4.85E+06	2.62E+07	
FT-4-122	1.31E+03	1.99E+05	2.00E+05	5.26E+04	4.80E+06	4.85E+06	2.62E+07	
FT-3-940	1.31E+03	1.49E+05	1.50E+05	1.31E+03	3.90E+06	3.90E+06	2.62E+07	
FT-3-943	1.31E+03	1.49E+05	1.50E+05	1.31E+03	3.90E+06	3.90E+06	2.62E+07	
FT-4-940	1.31E+03	2.47E+04	2.60E+04	1.31E+03	3.50E+06	3.50E+06	2.62E+07	
FT-4-943	1.31E+03	2.47E+04	2.60E+04	1.31E+03	3.50E+06	3.50E+06	2.62E+07	
PT-3-464	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-3-466	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-3-468	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-4-464	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-4-466	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-4-468	MILD	MILD	MILD	1.31E+03	MILD	MILD	2.62E+07	
PT-3-474	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-475	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-476	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-484	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-485	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-486	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-494	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-495	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-496	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-474	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
PT-4-475	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-476	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-484	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-485	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-486	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-494	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-495	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-4-496	MILD	MILD	MILD	1.31E+03	3.16E+05	3.17E+05	2.62E+07	
PT-3-940	1.31E+03	2.29E+05	2.30E+05	1.31E+03	3.9E+06	3.90E+06	2.62E+07	
PT-3-943	1.31E+03	2.29E+05	2.30E+05	1.31E+03	3.9E+06	3.90E+06	2.62E+07	
PT-4-940	1.31E+03	2.29E+05	2.30E+05	1.31E+03	3.5E+06	3.50E+06	2.62E+07	
PT-4-943	1.31E+03	2.29E+05	2.30E+05	1.31E+03	3.5E+06	3.50E+06	2.62E+07	
FT-3-150	5.26E+04	7.50E+05	8.03E+05	5.26E+04	7.64E+04	1.29E+05	2.62E+07	
FT-4-150	5.26E+04	7.50E+05	8.03E+05	5.26E+04	1.08E+05	1.61E+05	2.62E+07	
FT-3-474	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-475	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-484	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-485	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-494	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-495	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-474	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-475	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-484	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-485	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-494	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-4-495	5.25E+05	2.01E+05	7.26E+05	6.92E+05	3.12E+05	1.00E+06	5.19E+07	
FT-3-605	1.31E+03	7.25E+05	7.26E+05	1.31E+03	1.10E+07	1.10E+07	5.19E+07	
FT-4-605	1.31E+03	7.25E+05	7.26E+05	1.31E+03	1.10E+07	1.10E+07	5.19E+07	
FT-3-932	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
FT-3-933	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
FT-4-932	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
FT-4-933	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-3-459	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-3-460	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-3-461	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-4-459	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-4-460	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-4-461	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
LT-3-474	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-475	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-476	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-484	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-485	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-486	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-494	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-495	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-3-496	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-474	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-475	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-476	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-484	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-485	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-486	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-494	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-495	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
LT-4-496	5.25E+05	1.14E+07	1.19E+07	6.92E+05	1.78E+07	1.84E+07	5.19E+07	
PT-3-403	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-3-404	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-3-405	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-3-406	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-4-403	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-4-404	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
PT-4-405	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-4-406	5.25E+05	3.95E+07	4.00E+07	6.92E+05	3.06E+07	3.13E+07	5.19E+07	Location Specific Dose
PT-3-455	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
PT-3-456	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
PT-3-457	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
PT-4-455	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
PT-4-456	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
PT-4-457	5.25E+05	8.05E+05	1.33E+06	3.69E+07	1.57E+06	3.85E+07	5.24E+07	
CABLE CODE L1P	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SV-3-6318A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-3-6318B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-3-6319A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-3-6319B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-3-6611	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-3-6612	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6318A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6318B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6319A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6319B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6611	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
SV-4-6612	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	1.35E+08	
ZS-3-6303A	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZS-3-6303B	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZS-3-6303C	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZS-4-6303A	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZS-4-6303B	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZS-4-6303C	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZT-4-6303	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
ZT-3-6303	5.25E+05	1.15E+07	1.20E+07	3.69E+07	1.84E+07	5.53E+07	2.22E+08	
SPL TAPE (23)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	1.00E+08	
SPL TAPE (130 C)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	1.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
SPL TAPE (70)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	1.00E+08	
SPL TAPE (33+)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	5.00E+07	
SPL TAPE (SCOTCHFIL)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	6.02E+06	Not integral to splice insulation
SPL (130C/33+)	5.26E+04	2.40E+06	2.45E+06	5.26E+04	6.95E+06	7.00E+06	2.00E+08	
SV-3-310A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.00E+08	
SV-3-310B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.00E+08	
SV-4-310A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.00E+08	
SV-4-310B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	4.19E+07	4.26E+07	2.00E+08	
SV-3-200A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-200B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-200C	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-200A	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-200B	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-200C	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-2601	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-2804	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-2603	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-2806	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-2601	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-2804	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-2603	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-4-2806	5.25E+05	3.95E+07	4.00E+07	6.92E+05	1.57E+06	2.26E+06	2.00E+08	
SV-3-2819	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SV-4-2819	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
SV-3-2920	5.26E+04	1.77E+05	2.30E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-2921	5.26E+04	1.77E+05	2.30E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-2922	5.26E+04	1.77E+05	2.30E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2920	5.26E+04	2.67E+05	3.20E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2921	5.26E+04	2.67E+05	3.20E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2922	5.26E+04	2.67E+05	3.20E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-2923	5.26E+04	3.27E+05	3.80E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
SV-3-2924	5.26E+04	3.27E+05	3.80E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-2925	5.26E+04	3.07E+05	3.60E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2923	5.26E+04	4.07E+05	4.60E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2925	5.26E+04	4.57E+05	5.10E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-2924	5.26E+04	3.67E+05	4.20E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-2914	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-2915	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-2916	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-2917	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-2918	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-2919	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2914	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2915	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2916	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2917	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2918	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-4-2919	MILD	MILD	MILD	2.63E+02	3.16E+05	3.16E+05	2.00E+08	
SV-3-121-2	5.26E+04	1.47E+05	2.90E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-4-121-2	5.26E+04	1.47E+05	2.90E+05	5.26E+04	4.80E+06	4.85E+06	2.00E+08	
SV-3-6275A	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-3-6275B	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-3-6275C	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-4-6275A	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-4-6275B	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-4-6275C	MILD	MILD	MILD	MILD	MILD	MILD	2.00E+08	
SV-3-2604A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2604B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2605A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2605B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2606A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2606B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
SV-3-2607A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2607B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2609A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2609B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2610A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2610B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2611A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2611B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2612A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2612B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2614A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2614B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2615A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2615B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2616A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2616B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2617A	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-3-2617B	MILD	MILD	MILD	1.31E+03	3.11E+04	3.24E+04	2.00E+08	
SV-4-2604A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2604B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2606A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2606B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2607A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2607B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2609A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2609B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2611A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2611B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2612A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2612B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2614A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
SV-4-2614B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2616A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2616B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2617A	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
SV-4-2617B	MILD	MILD	MILD	1.31E+03	8.06E+03	9.37E+03	2.00E+08	
3P210A	1.31E+03	2.19E+05	2.20E+05	1.31E+03	6.99E+06	7.00E+06	5.00E+07	
3P210B	1.31E+03	2.19E+05	2.20E+05	1.31E+03	6.99E+06	7.00E+06	5.00E+07	
4P210A	1.31E+03	2.19E+05	2.20E+05	1.31E+03	6.80E+06	6.80E+06	8.00E+06	
4P210B	1.31E+03	2.19E+05	2.20E+05	1.31E+03	6.99E+06	7.00E+06	8.00E+06	
3P214A	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.10E+06	3.10E+06	5.00E+07	
3P214B	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.10E+06	3.10E+06	5.00E+07	
4P214A	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.60E+06	3.60E+06	5.00E+07	
4P214B	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.60E+06	3.60E+06	5.00E+07	
3P215A	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.89E+06	3.90E+06	5.00E+07	
3P215B	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.89E+06	3.90E+06	5.00E+07	
4P215A	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.50E+06	3.50E+06	5.00E+07	
4P215B	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.50E+06	3.50E+06	5.00E+07	
Spare SI PP Motor	1.31E+03	8.09E+05	8.10E+05	1.31E+03	3.89E+06	3.90E+06	5.00E+07	
ICC-ERD	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
ICC-LITTON-A	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
ICC-G&H	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
ICC-LITTON-B	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.10E+08	
ICC-LITTON-EGS 8/10	5.25E+05	4.37E+07	4.42E+07	3.69E+07	3.86E+07	7.55E+07	2.25E+08	
ICC-G&H-EGS	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
ICC-R-SCC	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
ICC-EGS-CLAMP	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	2.20E+08	
ICC-LIT-EGS-MSSI	5.25E+05	4.37E+07	4.42E+07	3.69E+07	5.64E+07	9.33E+07	1.90E+08	
ND-3-6649A	1.70E+10	8.50E+09	2.55E+10	3.69E+07	2.72E+10	2.72E+10	7.00E+11	Plus Neutron.
3C290A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
3NFMSAB	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	3.20E+09	
ND-3-6649B	1.70E+10	8.50E+09	2.55E+10	3.69E+07	2.72E+10	2.72E+10	7.00E+11	Plus Neutron.

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
3C290B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
3NFMSBB	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
ND-4-6649A	1.70E+10	8.50E+09	2.55E+10	3.69E+07	2.72E+10	2.72E+10	7.00E+11	Plus Neutron
4C290A	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
4NFMSAB	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	3.20E+09	
ND-4-6649B	1.70E+10	8.50E+09	2.55E+10	3.69E+07	2.72E+10	2.72E+10	7.00E+11	Plus Neutron.
4C290B	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
4NFMSBB	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	3.20E+09	
CABLE CODE B21	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B31	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B06	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B04	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B02	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B10	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B20	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B40	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B35	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE B08	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C24	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C34	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C54	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C74	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C94	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C21	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C31	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C51	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C71	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C91	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE C20	5.25E+05	4.95E+07	5.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE A04	5.26E+04	2.37E+05	2.90E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+08	
CABLE CODE A05	5.26E+04	2.37E+05	2.90E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CABLE CODE AO7	5.26E+04	2.37E+05	2.90E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+08	
CABLE CODE A12	5.26E+04	2.37E+05	2.90E+05	1.31E+03	1.10E+07	1.10E+07	2.00E+08	
FY-3-1401A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-3-1401B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-3-1457A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-3-1457B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-3-1458A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-3-1458B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1401A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1401B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1457A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1457B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1458A-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
FY-4-1458B-6	MILD	MILD	MILD	2.63E+02	3.11E+04	3.14E+04	9.23E+06	
JPR WIRE-TELEDYNE	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.00E+08	
TE-3-411D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-411D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-411D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-412B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-412B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-412B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-412C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-412D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-421D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-421D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-421D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-422B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-422B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-422B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-422C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-422D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
TE-3-431D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-431D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-431D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-432B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-432B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-432B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-432C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-432D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-411D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-411D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-411D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-412B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-412B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-412B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-412C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-412D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-421D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-421D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-421D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-422B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-422B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-422B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-422C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-422D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-431D1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-431D2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-431D3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-432B1	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-432B2	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-432B3	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-4-432C	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
TE-4-432D	1.05E+08	1.47E+06	1.06E+08	1.56E+08	6.22E+07	2.18E+08	3.00E+08	
TE-3-604A	1.31E+03	7.55E+06	7.55E+06	1.31E+03	6.99E+06	7.00E+06	3.00E+08	
TE-3-604B	1.31E+03	7.55E+06	7.55E+06	1.31E+03	6.99E+06	7.00E+06	3.00E+08	
TE-3-606	5.26E+04	7.50E+06	7.55E+06	5.26E+04	4.80E+06	4.85E+06	3.00E+08	
TE-4-604A	1.31E+03	7.55E+06	7.55E+06	1.31E+03	6.79E+06	6.80E+06	3.00E+08	
TE-4-604B	1.31E+03	7.55E+06	7.55E+06	1.31E+03	6.99E+06	7.00E+06	3.00E+08	
TE-4-606	5.26E+04	7.50E+06	7.55E+06	5.26E+04	4.80E+04	4.85E+06	3.00E+08	
TB-NQB	1.31E+03	7.56E+06	7.56E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+08	
CONFORMAL COATING	5.26E+04	7.49E+06	7.54E+06	1.31E+03	1.10E+07	1.10E+07	2.00E+07	
GB-1 Instrument	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-1 (12-14)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-1 (12-14/16-18)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (8-10)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (12-14)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (16-18)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (8-10/12-14)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (8-10/12-18)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-2 (12-14/16-18)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-3 (4-6)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-3 (8-10)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-3 (4-6/8-10)	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-S	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-S-2	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
GB-S-3	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.08E+08	
QDC-1.5" COND SEAL	5.25E+07	3.95E+07	9.20E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
QDC-0.75" COND SEAL	5.25E+07	3.95E+07	9.20E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
QDC-0.5" COND SEAL	5.25E+07	3.95E+07	9.20E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
ICC-QDC	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
ICC-VEAM	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
ICC-ROCK	5.25E+05	3.95E+07	4.00E+07	3.69E+07	4.32E+07	8.01E+07	2.00E+08	
CABLE CODE L59	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
CABLE CODE L58	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE L59	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE L15	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	2.00E+08	Beta 1.36E+07
CABLE CODE L1P	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE L2P	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE L1T	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
CABLE CODE L40	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	1.84E+08	Beta 1.36E+07
COND SEAL ASSY	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	1.07E+08	2.25E+08	Beta 1.36E+07
T3I01	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T3I02	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T4I01	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T4I02	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T3I31	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T3I42	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	2.00E+08	
T3P62	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.28E+08	
T3P63	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.28E+08	
T4C11	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.28E+08	
T4P62	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.28E+08	
TE-4-410 A&B	1.06E+08	5.40E+07	1.60E+08	1.42E+08	5.65E+07	1.99E+08	2.27E+08	
TE-4-420 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-4-430 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-4-413 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-4-423 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-4-433 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-4-6700	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
TE-4-6701	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
TE-4-6702	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
TE-3-410 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-3-420 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-3-430 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-3-413 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
TE-3-423 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-3-433 A&B	1.06E+08	5.40E+07	1.60E+08	1.56E+08	6.22E+07	2.18E+08	2.27E+08	
TE-3-6700	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
TE-3-6701	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
TE-3-6702	5.25E+05	3.95E+07	4.00E+07	3.69E+07	5.64E+07	9.33E+07	2.32E+09	
JPR WIRE	5.26E+04	7.51E+06	7.56E+06	5.26E+04	1.09E+07	1.10E+07	2.00E+08	
T3P41	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P42	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P43	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P51	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P53	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P41	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P42	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P43	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P51	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P52	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P11	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P21	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C11	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C13	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C21	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3C23	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3P52	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4C12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4C13	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	

Component ID	PRE EPU			POST-EPU			Component Qualification (Rads)	Comments
	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)	60 yr Normal Dose (Rads)	Post Accident Dose (Rads)	Total Integrated Dose (Rads)		
T4C21	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4C23	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I11	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4C22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I14	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I15	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I21	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I23	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I24	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I12	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I14	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I15	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I21	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I22	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I23	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I24	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T3I13	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4C41	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I41	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4I42	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	
T4P53	5.25E+05	3.95E+07	4.00E+07	6.92E+05	5.64E+07	5.71E+07	1.00E+08	

Table 2.1-2 – EQ Components Requiring Further Evaluation

Item No.	Document	Description	Item Identification
1	EQ Doc Package 1001-12.0	General Cable: 1/C – 4/0 Power Cable/Butyl Insul/PVC JCKT	Cable Code N6
2	EQ Doc Package 1001-19.0	Okonite Cable: N10: 1/C – 4/0 Cable W/Butyl Insul & PVC JCKT N13: 1/C - #6 Cable W/Butyl Insul & PVC JCKT N20: 3/C - #12 Power Cable W/Butyl Rubber Insul 21: 2/C - #12 Cable W/PE Insul & PVC JACK 22: 3/C - #12 Cable W/PE Insul & PVC JACK 23: 5/C - #12 Cable W/PE Insul & PVC JACK 24: 7/C - #12 Cable W/PE Insul & PVC JACK 25: 9/C - #12 Cable W/PE Insul & PVC JACK 64: 4/C - #16 Cable W/PE Insul & PVC JACK	Cable Codes: N10* N13 N20 21 22 23 24 25 64
3	EQ Doc Package 1001-24.1	Rosemount, Inc (In Containment)	LT-3-459, 460, 461 PT-3-403, 404, 405 and 406 LT-4-459, 460, 461 PT-4-403, 404, 405 and 406 FT-3-932, 933 FT-4-932, 933
4	EQ Doc Package 1001-30.0	Valcor Solenoids	SV-3-6427A&B* and SV-4-6427A&B*
5	EQ Doc Package 1001-34.2	Kerite Cable Control Cable w/FR Insul & Jacket 7/C#12 Control Cable w/FR Insul & Jacket 9/C#12 Control Cable w/FR Insul & Jacket 2/C#10 Control Cable w/FR Insul & Jacket 2/C#12 Control Cable w/FR Insul & Jacket 3/C#12 Control Cable w/FR Insul & Jacket 5/C#12	Cable Codes for Units 3 and 4: C71 C91 C20 C21 C31 C51
6	EQ Doc Package 1001-35.0	Masoneilan/Dresser Ind.	I/P-3-121* & I/P-4-121*

*Removed from EQ List

EEEB-2.2 Provide the actual design ampere rating of modified Isolated Phase Bus Duct to show that it bounds the required 28,508 A rating, as stated in the license amendment request.

The modified isolated phase bus duct (IPBD) is rated for 28,508 A for EPU. This value bounds the EPU nominal generator operating current of 27,083 A. 28,508 A corresponds to full power operation with a 5% reduction in generator output voltage.

References

1. M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2010-113), "License Amendment Request for Extended Power Uprate (LAR 205)," (TAC Nos. ME4907 and ME4908), Accession No. ML103560169, October 21, 2010.
2. Email from J. Paige (NRC) to T. Abbatiello (FPL), "Turkey Point EPU – Electrical Engineering (EEEB) Request for Additional Information – Round 1," Accession No. ML110610719, March 2, 2011.
3. M. Kiley (FPL) to U.S. Nuclear Regulatory Commission (L-2011-081), "Response to NRC Request for Additional Information (RAI) Regarding Extended Power Uprate (EPU) License Amendment Request (LAR) No. 205 and Electrical Engineering Branch Issues," Accession No. ML110940179, March 31, 2011.
4. Email from J. Paige (NRC) to S. Hale (FPL) "Turkey Point EPU – Electrical Engineering (EEEB) Request for Additional Information – Round 2," Accession No. ML11160A156, June 9, 2011.