



Commonwealth Edison
 1400 Opus Place
 Downers Grove, Illinois 60515

December 17, 1990

Dr. Thomas E. Murley
 Office of Nuclear Reactor Regulation
 US Nuclear Regulatory Commission
 Washington, DC 20555
 Attn: Document Control Desk

Subject: Byron Station Units 1 & 2
 Braidwood Station Units 1 & 2
 Fire Protection Report - Amendment 13
NRC Docket Nos. 50-454/455 and 50-456/457

Reference: (a) August 16, 1982 T.R. Tramm letter to
 H.R. Denton

Dear Dr. Murley

Reference (a) provided the initial submittal of the Byron and Braidwood Fire Protection Report (FPR). This letter provides Amendment 13 of the FPR for the NRC Staff review. Amendment 13 updates the FPR to incorporate new and revised information applicable to the Byron and Braidwood Stations. These changes do not represent a decrease in the level of fire protection which requires prior NRC approval according to the following: (a) Condition 2.C.6 of the Byron Unit 1 Facility Operating License, NPF-37; (b) Condition 2.E of the Byron Unit 2 Facility Operating License, NPF-66; (c) Condition 2.E of the Braidwood Unit 1 Facility Operating License, NPF-72; or (d) Condition 2.E of the Braidwood Unit 2 Facility Operating License, NPF-77.

Amendment 13 includes changes which reflect changes to the facility and procedures which were in effect as of June 18, 1990. Included in this amendment is a general update of the identified combustible material inventories and the calculated combustible loads for many fire zones. Other changes can generally be categorized as editorial in nature. Attachment A to this letter provides an itemized summary and explanation of all changes included.

Pursuant to 10 CFR 50.4(b)(6), one signed original and ten (10) copies are being provided to the Document Control Desk, plus two (2) copies to the NRC Region III office and one (1) copy each to the Byron and Braidwood Resident Inspectors offices.

Please address any questions concerning this matter to this office.

Very truly yours,

A.R. Checca

Nuclear Licensing Administrator

9012190019 901217
 PDR ADOCK 05000454
 F PDR

cc: T. Shia-NRR
 R. Pulsifer-NRR
 J. Hinds-RIII
 Resident Inspector-Byron
 Resident Inspector-Braidwood

*Approved
 1/10*

190003
 ZNLD:667:rg



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Amendment 13 includes changes which reflect changes to the facility and procedures which were in effect as of June 18, 1990. Included in this amendment is a general update of the identified combustible material inventories and the calculated combustible loads for many fire zones. Other changes can generally be categorized as editorial in nature. Attachment A to this letter provides an itemized summary and explanation of all changes included.

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cc: T. Shia-NRR
R. Pulsifer-NRR
J. Hinds-RIII
Resident Inspector-Byron
Resident Inspector-Braidwood

ZNLD:667:rg

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
** FOR FPR SECTION: 01				
13-015	01.01-13	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

NOTE: For Amendment 13, all text and tables have been converted to a PC word processing system to enhance readability and to facilitate annual updates. Subsequently, the document was reformatted such that the pages flow consecutively, thereby eliminating all "a" pages and short pages. Therefore, all pages are designated as Amendment 13. This change log addresses the technical changes and editorial comments incorporated in this amendment.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
** FOR FPR SECTION: 02				
13-015	02.01-12	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.01-14	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-001	02.02-19	Change detector in zone 1.1-2 over the RC pumps from ionization to heat detection.	modification	M20-2-88-034
13-015	02.02-19	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-20	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-21	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-22	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-23	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-24	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.02-25	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-26	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-27	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-28	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-29	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-30	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-31	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-32	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-33	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.02-34	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-35	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-36	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-37	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-38	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-39	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-40	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-41	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.02-42	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-3	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-001	02.03-3	Change detector in zone 1.1-2 over the RC pumps from ionization to heat detection.	modification	M20-2-88-034
13-015	02.03-4	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-5	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-6	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-7	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-8	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-10	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-12	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-13	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-16	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-18	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-19	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-20	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-21	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-22	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-23	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-25	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-26	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-27	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-28	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-30	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-31	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-32	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-33	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-35	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-37	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-39	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-40	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-42	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-44	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-45	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-46	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-47	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-48	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-49	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
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FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-50	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-51	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-52	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-53	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-54	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-56	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-58	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-60	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-61	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

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FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-62	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-63	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-67	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-68	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-69	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-71	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-72	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-73	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-73	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
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FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-74	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-75	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-76	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-77	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-78	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-80	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-81	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-82	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-83	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

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FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-86	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-87	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-88	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-90	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-91	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-92	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-93	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-95	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-97	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-98	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-99	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-100	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-101	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-102	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-103	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-105	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-106	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-110	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-113	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-115	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-117	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-118	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-119	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-120	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-122	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-127	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-129	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-130	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-131	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-132	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-133	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-135	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-137	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-138	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-141	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-142	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
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FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-144	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-145	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-146	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-148	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-153	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-154	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-156	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-161	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-163	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
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FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-167	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-168	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-169	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-172	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-173	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-174	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-175	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-177	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-178	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-181	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-183	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-184	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-185	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-188	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-189	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-191	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-192	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-193	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-194	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-195	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-198	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-200	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-201	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-204	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-205	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-206	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-207	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-015	02.03-209	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-211	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo letter from T.Hausheer.
13-015	02.03-212	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-213	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13-015	02.03-214	Revise the specific heat loads for materials used in the combustible loading calculations.	technical comment	CECo Letter from T.Hausheer.
13 024	02.04-2 BY1	Change the requirement for updating the Safe Shutdown Cable database from "monthly" to "periodically".	technical comment	FPR Section 2.4.1.3 for the other units.
13-014	02.04-96 BY1	Revise safe shutdown cable and cable-equipment lists.	modification	M6-1-86-010
13-006	02.04-99 BY1	Revise the Safe Shutdown Cable Listing.	modification	M6-1-86-010
13-014	02.04-104 BY1	Revise safe shutdown cable and cable-equipment lists.	modification	M6-1-86-010

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-014	02.04-117 BY1	Revise safe shutdown cable and cable-equipment lists.	modification	M6-1-86-010
13-014	02.04-123 BY1	Revise safe shutdown cable and cable-equipment lists.	modification	M6-1-86-010
13-014	02.04-156 BY1	Revise safe shutdown cable and cable-equipment lists.	modification	M6-1-86-010
13-006	02.04-159 BY1	Revise the Safe Shutdown Cable Listing.	modification	M6-1-86-010
13-030	02.04-43 BY2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-44 BY2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-45 BY2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-027	02.04-58 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-60 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

RYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 1:

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-027	02.04-65 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-016	02.04-69 BY2	Revise safe shutdown cable listing.	modification	M6-2-88-029
13-027	02.04-72 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-76 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-77 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-81 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-87 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-90 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-95 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-99 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-027	02.04-111 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-112 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-130 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-140 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-141 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-145 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-146 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-150 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-152 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-027	02.04-160 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-163 BY2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-030	02.04-183 BY2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-184 BY2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-43 BR1	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-44 BR1	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-45 BR1	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-026	02.04-48 BR1	Revise the Safe Shutdown Cable Listing to delete reference to fire zone 1.0-1, 1.1A-1, 1.1B-1, 1.1C-1 & 1.1D-1.	technical comment	Containment was subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-027	02.04-58 BR1	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-025	02.04-70 BR1	Revise the Safe Shutdown Cable Listing.	editorial	
13-025	02.04-74 BR1	Revise the Safe Shutdown Cable Listing.	editorial	
13-027	02.04-110 BR1	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-025	02.04-110 BR1	Revise the Safe Shutdown Cable Listing.	editorial	
13-030	02.04-43 BR2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-45 BR2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for HELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-008	02.04-58 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-027	02.04-58 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-60 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-027	02.04-65 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-008	02.04-71 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-018	02.04-74 BR2	Revise safe shutdown cable listing.	modification	M20-2-88-064
13-027	02.04-75 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-008	02.04-77 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-027	02.04-79 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-81 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-85 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-008	02.04-89 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-008	02.04-93 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-027	02.04-94 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-008	02.04-97 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-027	02.04-99 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-103 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-008	02.04-110 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-008	02.04-116 BR2	Revise the Safe Shutdown Cable List.	modification	M20-2-88-064
13-027	02.04-120 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-136 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-147 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-153 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-157 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-008	02.04-166 BR2	Revise the Safe Shutdown Cable List.	modification	K&D-2-88-064
13-027	02.04-167 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-027	02.04-169 BR2	Revise the Safe Shutdown Cable Listing for hot and cold leg TCs.	technical comment	Only revises equipment numbers. Does not affect locations.
13-030	02.04-188 BR2	Delete the listing of sub-zone 18.3-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-188 BR2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.
13-030	02.04-189 BR2	Delete the listing of sub-zone 18.3A-1/2 and revise the listing for cables in fire zone 18.3-1/2.	technical comment	Subdivided into smaller zones for MELB/MELB analysis. These zones do not apply to the Fire Protection Report.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 12

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
** FOR FPR SECTION: 03				
13-029	03.03-2 BR	Correct references to Section in Appendix A5.7 of the FPR.	editorial	
13-001	03.07-1 BR	Change detector in zone 1.1-2 over the RC pumps from ionization to heat detection.	modification	M20-2-88-034

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
** FOR FPR SECTION: A5				
13-001	A5.04-17	Change detector in zone 1.1-2 over the RC pumps from ionization to heat detection.	modification	M20-2-88-034
13-031	A5.04-M-28 sht 1 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-28 sht 2 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-28 sht 3 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-603 sht 2 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-603 sht 15 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 1 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 3 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 4 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 5 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 6 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 7 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 8 BY	Figure review.	modification	S&L Interactive Drawing System.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-031	A5.04-M-52 sht 9 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 11 BY	Figure review.	modification.	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 13 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 14 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 15 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 16 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 1 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 2 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 3 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 4 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 5 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 6 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 7 BY	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 8 BY	Figure review.	modification	S&L Interactive Drawing System.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-031	A5.04-M-28 sht 1 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-28 sht 2 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-603 sht 2 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-603 sht 15 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 1 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 3 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 4 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 5 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 7 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 8 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 9 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 13 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 14 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-52 sht 15 BR	Figure review.	modification	S&L Interactive Drawing System.

BYRON/BRAIDWOOD
FIRE PROTECTION REPORT CHANGE LOG
amendment 13

FDRP #	SECTION + PAGE	DESCRIPTION OF CHANGE	REASON/BASIS	REFERENCES/REMARKS
13-031	A5.04-M-52 sht 16 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 1 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 2 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 4 BR	Figure review.	modification	S&L Interactive Drawing System.
13-031	A5.04-M-58 sht 6 BR	Figure review.	modification	S&L Interactive Drawing System.