LIST OF CHANGES TO REV. 0 FSAR SECTIONS 2.5 AND 2.5.1

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
1	Section 2.5	Supplement (GGNS SUP 2.5.1-1)	The introductory material in SSAR Section 2.5 of the referenced ESP SSAR has been supplemented with a review summary of: the scope of investigation for the COL; guidance documents; and, summaries of Sections 2.5.1 through 2.5.5; with explanations of where data has been provided by COL and ESP investigations.
2	Section 2.5.1	Supplement (GGNS SUP 2.5.1-1)	The introductory material in SSAR Section 2.5.1 of the referenced ESP SSAR has been supplemented with a review summary of the investigations performed to support the COL and ESP reports and the application of this data to the Site Region, Vicinity, Area, and Location.
3	Section 2.5.1.1.1.1, third paragraph, fourth sentence	Variance (GGNS ESP VAR 2.5-1)	Changed to read as follows to provide consistency with Section 2.5.4: "Loess deposits ~~up to 82 feet thick~~ 30 to 80-ft-thick are present in the Site Vicinity."
4	Section 2.5.1.1.1.1, end of third paragraph	Variance (GGNS ESP VAR 2.5-1)	Inserted the following as the fourth paragraph in Section 2.5.1.1.1.1: "SSAR Figure 2.5-10 is replaced with corrected SSAR Figure 2.5-10R and SSAR Figure 2.5-27 is replaced with corrected SSAR Figure 2.5-27R. References to these SSAR figures in the incorporated (by reference) SSAR text are revised to reflect the revised figure numbers; affected SSAR sections are 2.5.1.1.4, 2.5.1.1.4.2.1, 2.5.1.1.4.2.2.1, 2.5.1.1.4.2.2.2, 2.5.1.1.4.2.3.3, and 2.5.1.1.5.9.1; the specific text changes are editorial and are not included herein."
5	Section 2.5.1.1.5, end of third paragraph	Supplement (GGNS COL 2.0-26-A) (GGNS ESP COL 2.5-3)	Inserted the following as the fourth paragraph in Section 2.5.1.1.5: "Additionally, the maximum earthquake magnitude distribution for the Gulf of Mexico seismic source zones has been revised upward. The magnitude distributions for each EPRI team were raised to be consistent with the occurrence of the 2006 Mb 5.52 and Mb 6.11 events that occurred within this source zone. This revision is discussed in Section 2.5.2.1.1."

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
6	Section 2.5.1.2	Variance (GGNS ESP VAR 2.5-1)	SSAR Section 2.5.1.2 is replaced with text from FSAR Section 2.5.4.1.1.
7	FSAR Section 2.5.1.2, first paragraph, first sentence	Editorial Clarification / Correction	Changed the first sentence of the first paragraph imported from FSAR 2.5.4.1.1 to reflect the actual completion of on-site geotechnical investigations: "A site stratigraphic framework (Table 2.5.41-201) was developed based on field examination of recovered borehole samples (including standard penetration tests (SPTs)), cone penetrometer test (CPT) soundings, and test pits from site investigation (Figure 2.5.41-201) and geologic mapping (Figure 2.5.41-202) undertaken at the GGNS Unit 3 Site from April ~~to December,~~ 2006 to August 2007.
8	FSAR Section 2.5.1.2, last paragraph, last sentence	Editorial	Changed to read: "Section 2.5.1.2.1 provides a description of stratigraphic units present within each of the four above categories, Section 2.5.1.2.2 provides a comparison of these units to geologic material descriptions in previous studies, and Section 2.5.1.2.3 describes the geologic history of the site."
9	Section 2.5.1.2.1	Variance (GGNS ESP VAR 2.5-1)	SSAR Section 2.5.1.2.1 has been replaced with FSAR section 2.5.4.1.1.1.
10	Various	Editorial	Changed "ESP SSAR" to "SSAR" in several locations to be consistent with the convention used in the remainder of the FSAR.
11	Section 2.5.1.2.2	Variance (GGNS ESP VAR 2.5-1)	SSAR Section 2.5.1.2.2 has been replaced with FSAR section 2.5.4.1.1.2.
12	Section 2.5.1.2.3	Variance (GGNS ESP VAR 2.5-1)	SSAR Section 2.5.1.2.3 has been replaced with FSAR section 2.5.4.1.2.

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
13	Section 2.5.1.2.3.4.2, first paragraph, second sentence	Editorial	Changed to read: "The top of the Bucatunna Formation was encountered in the boring at a depth of 372 ft. (-239.5 ft. elevation) below site grade (Section ~~2.5.5.3~~2.5.4.3) and was about 75 ft. thick at the boring location (Appendix 2AA)."
14	Section 2.5.1.2.4	Variance (GGNS ESP VAR 2.5-1)	SSAR Section 2.5.1.2.4 has been replaced with FSAR section 2.5.4.1.3.
15	Section 2.5.1.2.4, fourth paragraph, first sentence	Editorial	In the Late Pliocene or Early Pleistocene, ~~GGNS~~the Site paleogeography changed to an alluvial environment dominated by fluvial sedimentation from the ancestral Mississippi River, during which the surface of the Catahoula Formation was deeply incised by a southwest-trending river/stream channel (Figure 2.5.1-232).
16	Section 2.5.1.2.5	Variance (GGNS ESP VAR 2.5-1) (GGNS ESP VAR 2.5-2) (GGNS ESP VAR 2.0-2) Supplement (GGNS COL 2.0-26-A)	Material in SSAR Section 2.5.1.2.5 is replaced by the information from the COL investigations as presented in FSAR Section 2.5.4. Additional information is included per the SRP for Section 2.5.1 (GGNS COL 2.0-26-A). Renamed Section 2.5.1.2.5 "Seismicity and Faulting," and added the following: "There have been no recorded historical earthquakes at the Site Area (see Section 2.5.3.4). Additionally, there is no documented evidence for paleo-earthquakes at the Site Area (see Section 2.5.3.3). Absence of tectonic structure at the Site Area is discussed in Sections 2.5.3.5 and 2.5.4.1."
17	Global	Editorial	Reference to the relocated and renumbered (formerly FSAR Section 2.5.4 numbers) tables, figures, and references, are revised to reflect the new 2.5.1 numbering, as shown below.
18	FSAR Table 2.5.1-201	Editorial	Relocated from FSAR 2.5.4 and changed table number from: "Table 2.5.4-201"
19	FSAR Table 2.5.1-202	Editorial	Relocated from FSAR 2.5.4 and changed table number from: "Table 2.5.4-202"

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
20	FSAR Table 2.5.1-203	Editorial	Relocated from FSAR 2.5.4 and changed table number from: “Table 2.5.4-203”
21	FSAR Table 2.5.1-204	Editorial	Relocated from FSAR 2.5.4 and changed table number from: “Table 2.5.4-204”
22	FSAR Figure 2.5.1-201	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-201”
23	FSAR Figure 2.5.1-202	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-202”
24	FSAR Figure 2.5.1-203	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-203”
25	FSAR Figure 2.5.1-204	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-204”
26	FSAR Figure 2.5.1-205	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-205”
27	FSAR Figure 2.5.1-206	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-206”
28	FSAR Figure 2.5.1-207	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-207”
29	FSAR Figure 2.5.1-208	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-208”
30	FSAR Figure 2.5.1-209	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-209”
31	FSAR Figure 2.5.1-210	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-210”

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
32	FSAR Figure 2.5.1-211	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-211”
33	FSAR Figure 2.5.1-212	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-212”
34	FSAR Figure 2.5.1-213	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-213”
35	FSAR Figure 2.5.1-214	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-214”
36	FSAR Figure 2.5.1-215	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-215”
37	FSAR Figure 2.5.1-216	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-216”
38	FSAR Figure 2.5.1-217	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-217”
39	FSAR Figure 2.5.1-218	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-218”
40	FSAR Figure 2.5.1-219	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-219”
41	FSAR Figure 2.5.1-220	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-220”
42	FSAR Figure 2.5.1-221	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-221”
43	FSAR Figure 2.5.1-222	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-222”

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
44	FSAR Figure 2.5.1-223	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-223”
45	FSAR Figure 2.5.1-224	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-224”
46	FSAR Figure 2.5.1-225	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-225”
47	FSAR Figure 2.5.1-226	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-226”
48	FSAR Figure 2.5.1-227	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-227”
49	FSAR Figure 2.5.1-228	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-228”
50	FSAR Figure 2.5.1-229	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-229”
51	FSAR Figure 2.5.1-230	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-230”
52	FSAR Figure 2.5.1-231	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-231”
53	FSAR Figure 2.5.1-232	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-232”
54	FSAR Figure 2.5.1-233	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-233”
55	FSAR Figure 2.5.1-234	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-234”

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
56	FSAR Figure 2.5.1-235	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-235”
57	FSAR Figure 2.5.1-236	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-236”
58	FSAR Figure 2.5.1-237	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-237”
59	FSAR Figure 2.5.1-238	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-238”
60	FSAR Figure 2.5.1-239	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-239”
61	FSAR Figure 2.5.1-240	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-240”
62	FSAR Figure 2.5.1-241	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-241”
63	FSAR Figure 2.5.1-242	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-242”
64	FSAR Figure 2.5.1-243	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-243”
65	FSAR Figure 2.5.1-244	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-244”
66	FSAR Figure 2.5.1-245	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-245”
67	FSAR Figure 2.5.1-246	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-246”

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
68	FSAR Figure 2.5.1-247	Editorial	Relocated from FSAR 2.5.4 and changed figure number from: “Figure 2.5.4-247”
69	FSAR Reference 2.5.1-201	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-201”
70	FSAR Reference 2.5.1-202	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-202”
71	FSAR Reference 2.5.1-203	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-203”
72	FSAR Reference 2.5.1-204	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-204”
73	FSAR Reference 2.5.1-205	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-205”
74	FSAR Reference 2.5.1-206	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-206”
75	FSAR Reference 2.5.1-207	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-207”
76	FSAR Reference 2.5.1-208	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-208”
77	FSAR Reference 2.5.1-209	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-209”
78	FSAR Reference 2.5.1-210	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-210”
79	FSAR Reference 2.5.1-211	Editorial	Relocated from FSAR 2.5.4 and changed reference number from: “Reference 2.5.4-211”

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
80	SSAR Figure 2.5-10	Variance (GGNS ESP VAR 2.5-1)	A change to the figure is made to correctly identify the unit descriptions by adding the word "Buried" to accurately reflect the elevation of the Plio-Pleistocene stratigraphic units shown. Figure number is revised to "2.5-10R."
81	SSAR Figure 2.5-27	Variance (GGNS ESP VAR 2.5-1)	A change to the figure is made to correctly identify the unit descriptions by adding the word "Buried" to accurately reflect the elevation of the Plio-Pleistocene stratigraphic units shown. And the figure is revised to remove the cut lines for cross-sections I-I' and J-J' from the figure; these cross-section drawings are contained in SSAR Figures 2.5-30 and 2.5-31, which are deleted as indicated below. Figure 2.5-27 number is revised to "2.5-27R."
82	SSAR Figure 2.5-28	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced.
83	SSAR Figure 2.5-30	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced.
84	SSAR Figure 2.5-31	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced.
85	SSAR Figure 2.5-33	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced.
86	SSAR Figure 2.5-34	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced. Note: This figure is duplicated in SSAR Figure 2.5-71.
87	SSAR Figure 2.5-35	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced. Note: This figure is duplicated in SSAR Figure 2.5-72.

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
88	SSAR Figure 2.5-36	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced. Note: This figure is duplicated in SSAR Figure 2.5-73.
89	SSAR Figure 2.5-37	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this figure was replaced. Note: This figure is duplicated in SSAR Figure 2.5-74.
90	SSAR Table 2.5-7	Variance (GGNS ESP VAR 2.5-1)	Deleted. Text of SSAR 2.5.1.2 containing reference to this table was replaced. Information in the SSAR Table 2.5-7 is replicated in FSAR Table 2.5.1-203.

LIST OF CHANGES TO REV. 0 FSAR SECTION 2.5.3

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
1	SSAR Section 2.5.3	Supplement (GGNS SUP 2.5.3-1)	The introductory material in Section 2.5.3 of the referenced SSAR has been supplemented with a review summary of the investigations performed to support the COL and ESP reports, and the application of this data to the Site Area and Site Location.
2	SSAR Section 2.5.3.1	Variance (GGNS ESP VAR 2.5-1)	SSAR Figure SSAR Figure 2.5-27 is replaced with corrected Figure 2.5-27R; the unit descriptions are corrected by adding the word "Buried" to accurately reflect the elevation of these stratigraphic units.
3	SSAR Section 2.5.3.1, end of second paragraph	Supplement (GGNS COL 2.0-28-A)	Inserted the following as the third paragraph in Section 2.5.3.1: "Additional work performed for the Unit 3 COL included field mapping, aerial photograph interpretation, site subsurface investigations (e.g., exploratory boreholes and CPT soundings), logging of test pits, logging of soil profiles, and development of a site geologic map that updates information in the Site Location map in the SSAR. (see Section 2.5.1.2 for detailed discussion of site geology and scope of COL stage investigation.)"
4	SSAR Section 2.5.3.3, first paragraph, fifth sentence	SSAR Editorial Correction (ESP COR)	Changed to read: "Two salt ~~diapers~~diapirs, the Bruinsburg salt dome and the Galloway salt dome, are within approximately 8.5 miles to the southwest and northeast of the site, respectively (Figure 2.5-9)."
5	SSAR Section 2.5.3.3, first paragraph	Supplement (GGNS COL 2.0-28-A)	Inserted the following as the last sentence in the first paragraph of Section 2.5.3.3: "Analysis of subsurface material stability for the Unit 3 COL confirms that these salt dome structures do not have the potential to impact the site (Section 2.5.4.1.3)."
6	SSAR Section 2.5.3.3, end of first paragraph	Supplement (GGNS COL 2.0-28-A)	Inserted the following as the last three paragraphs of Section 2.5.3.3: "Stratigraphic relationships documented in borehole logs from the Unit 3 investigation (Appendix 2AA) indicate that Pliocene and Pleistocene sediments of the Upland Complex old alluvium, Upland Complex alluvium, Lower loess, and Upper loess (as characterized in Sections

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			2.5.1.2.3) are also clearly planar, horizontal, and undeformed. Additionally, these borehole log records confirm observations made in the SSAR that the top of the Catahoula Formation is unconformable with several tens of feet of erosional relief (see Section 2.5.1.2.3). A complete discussion of subsurface stratigraphic framework at the Site Location is presented in Section 2.5.1.2. "In addition to the undeformed architecture of the site stratigraphy, elevations of terrace deposits at the Site Location can be used to constrain amounts of regional-scale uplift affecting the site. As described by Saucier (Reference 2.5.3-201) river incision and preservation of fluvial terraces in the hills adjacent to the lower Mississippi Valley can be related to episodes of local base level lowering along the Mississippi River. These base level changes are related to decreasing river base-level following change in prevailing climate conditions. For example, elevation differences between Pleistocene valley train deposits and the Holocene meander belts indicates a minimum base-level change of 16 to 32 ft related to deglaciation (Reference 2.5.3-201). "A second mechanism for preservation of fluvial terraces is flexural bending of the crust due to large sediment loads in the Mississippi River delta, resulting in river incision and terrace uplift. Land leveling data indicate that uplift is occurring with rates of 0.039 in/yr (1 mm/yr) to 0.078 in/yr (2 mm/yr) extending as far north from the Delta as Jackson, Mississippi (Reference 2.5.3-201). In consideration of an overly conservative scenario in which the (Plio-Pleistocene) terrace deposits documented at the Site Location (Figure 2.5.1-225) are assumed for this exercise to be just nominally older than the overlying loess (18 ka), then a rate of 0.039 in/yr (1 mm/yr) extrapolated over the past 18 thousand years would result in approximately 60-feet (18-meters) of uplift. Even considering this overly conservative case, the combination of base-level response to climatic change and uplift due to flexural bending is more than sufficient to explain the changes in relative base-levels (i.e., 5 to 75

Item	Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			feet) that preserved fluvial terraces at the Site Location. The formation and preservation of Plio-Pleistocene terraces in the Site Area is interpreted to have occurred due to a combination of these non-tectonic processes."
7	SSAR Section 2.5.3.4, first paragraph	Supplement (GGNS COL 2.0-28-A)	Inserted the following as the last sentence in the first paragraph of Section 2.5.3.4: "No additional earthquakes have been recorded in the Site Vicinity since submission of the SSAR (Reference 2.5.3-202)."
8	SSAR Section 2.5.3.5 fifth paragraph	SSAR - Editorial	Typographical error; change the second sentence to read: ~~t~~The top of the Oligocene Glendon Limestone Formation slopes to the southeast (Figure 2.5-15).
9	SSAR Section 2.5.3.7	Supplement (GGNS COL 2.0-28-A)	Inserted the following as the last two sentences in the first paragraph of Section 2.5.3.7: "In addition, results of recent surface and subsurface investigations performed for the Unit 3 investigation support the continuity and long-term stability of the Site Location (see Section 2.5.3.3). Conclusions of previous investigations and analyses regarding potential for tectonic or non-tectonic deformation at the site remain unchanged by the Unit 3 investigations and analyses."
10	FSAR Section 2.5.3.8	Supplement (GGNS COL 2.0-28-A)	Inserted new references to two sources in new Section 2.5.3.8.

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
1	Section 2.5.4	Editorial	Correct the SSAR incorporation to read: This section of the referenced ESP safety analysis report is incorporated by reference with ~~no~~ the following variances and/or supplements.
2	Section 2.5.4.1	Editorial	Section 2.5.4.1 introductory text is deleted, and subsections 2.5.4.1.1, 2.5.4.1.2, 2.5.4.1.3 and 2.5.4.1.4 are relocated in their entirety to FSAR Section 2.5.1.2 as 2.5.1.2.1, 2.5.1.2.2, 2.5.1.2.3 and 2.5.1.2.4, respectively.
3	Section 2.5.4.1	Editorial	FSAR Sections 2.5.4.1.4.1 through 2.5.4.1.4.7 have moved forward to (have been renumbered as) FSAR Sections 2.5.4.1.1 through 2.5.4.1.7.
4	Section 2.5.4.1	Editorial	Changed to read: "Information in Sections 2.5.4.1.1 through 2.5.4.1.7 ~~2.5.4.1.4~~ is provided specific to the following items: • Surface and subsurface subsidence and unrelieved bedrock stresses. • Volcanic domes. • Salt domes. • Solution activity (Karst) and collapse. • Zones of alteration, irregular weathering profiles, and zones of structural weakness. • History of deposition and erosion, estimates of consolidation and preconsolidation pressures, and potential for rebound. • Rock and soil stability with respect to mineralogy, water content, creep, and seismic response. • ~~Rock joint set orientations and stability.~~ Each of these specific items are discussed below. In summary, the Unit 3 powerblock is on stable ground in an area of low tectonic activity, and absent of

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			geologic and geotechnical hazards that could pose a safety hazard to the plant. No unstable, or potentially unstable, geologic/geotechnical conditions have been identified in the Unit 3 powerblock area~~, and the nearby Unit 1 plant has performed well without development of adverse conditions~~. The Unit 1 site yard and former lay-down areas, including the Unit 3 powerblock area, are relatively level with intact surfaces and pavements and do not show evidence of any significant settlement, subsidence, collapse, or deformation since the initial site grading was completed in the 1970's (Figure 2.5.1-201). Cut slopes made along access roads and level pads in the Unit 3 powerblock area have been stable without evidence for development of instability or damaging erosion (Figure 2.5.4-201). Section 2.5.1.2 provides a description of site geology and stratigraphy, and Section 2.5.4.3 provides a description of the foundation interface conditions."
5	Section 2.5.4.1.1, first and second sentences	Editorial	Changed to read: "There is no evidence for geologic hazards or human activities (see SSAR Section 2.5.1.2.6) that would result in surface subsidence or unrelieved stresses in bedrock that could affect plant safety or performance. As discussed in ~~SSAR Section 2.5.3~~Section 2.5.3, no active or capable faults …."
6	Section 2.5.4.1.1, second paragraph, second sentence	Editorial	Changed to read: "Pleistocene loess and alluvium and underlying Tertiary (Oligocene to Miocene) deposits encountered and characterized in the subsurface explorations for Unit 3 powerblock and documented ~~in the SSAR (SSAR~~ Section 2.5.1.2 and Unit 1 UFSAR …."
7	Section 2.5.4.1.3, first paragraph, last sentence	Editorial	Changed to read: "Similar deformation in the Glendon Formation is not known to exist within 5 mi. of the Unit 3 powerblock, and there is no near surface evidence for salt domes below the GGNS Site (SSAR Section 2.5.1.1.5.10)."
8	Section 2.5.4.1.5, first paragraph, first sentence	Editorial	Changed to disambiguate geologic definition of unconsolidated from engineering definition of unconsolidated: "Unlithified ~~Unconsolidated~~ Upper and Lower loess, UCA and UCOA, and Miocene Catahoula Formation within the Unit 3 powerblock foundation influence zone are separated by erosional contacts and do not exhibit

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			significant weathering-related weakening."
9	Section 2.5.4.1.7 third paragraph, first sentence	Editorial	Change to read: "As discussed in SSAR Section~~s~~ 2.5.1.1 ~~and 2.5.4.1~~, no evidence of historic or prehistoric seismic ground failure, …"
10	Section 2.5.4.1.7, third paragraph, last sentence	Editorial	Changed to disambiguate geologic definition of unconsolidated from engineering definition of unconsolidated: "Section 2.5.4.8 discusses numerical liquefaction analysis of the ~~unconsolidated~~ loess and UCA and old alluvium."
11	Section 2.5.4.2, first paragraph, end of first sentence	Editorial	Inserted the following as the second sentence of the first paragraph: "Section 2.5.1.2 provides a complete review of site stratigraphy units."
12	Section 2.5.4.2.2.1.1, first paragraph, end of first sentence	Editorial	Inserted the following as the second sentence of the first paragraph: "As described in Section 2.5.1.2.1, five Holocene subunits of Mississippi River genesis are grouped into the single designation "Mississippi River alluvium.""
13	Section 2.5.4.2.2.1.1, last paragraph	Editorial	Deleted; paragraph was intended for Section 2.5.4.2.2.1.2 but was inadvertently placed in this section. ~~Results of the collapse potential tests were variable. Samples from the western area of the powerblock showed minimal collapse potential while samples from the FWSC borings showed moderate collapse potential.~~
14	Section 2.5.4.2.2.1.2, end of third paragraph	Editorial	Inserted the following (deleted by Item No. 13 above), with clarification as to the types of soil samples tested, as the fourth paragraph of Section 2.5.4.2.2.1.2: "Results of the collapse potential tests on unsaturated samples from the Upper Loess were variable. Samples from the western area of the powerblock showed minimal collapse potential while samples from the FWSC borings showed

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			moderate collapse potential."
15	Section 2.5.4.3.2, last paragraph, last sentence	Editorial	Revised to provide common reference to site grade instead of existing grade, and added clarification: "An over-excavation of ~~47~~48.5 ft. completely removes the undocumented fill and the unsaturated Upper loess (Sections 2.5.4.5 and 2.5.4.10)."
16	Section 2.5.4.5.1.2, fourth paragraph	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the last sentence in the fourth paragraph: "As discussed in Section 2.5.4.5.3, the additional excavation is backfilled with concrete fill."
17	Section 2.5.4.5.1.2, fifth paragraph	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the last sentence in the fifth paragraph: "As discussed in Section 2.5.4.5.3, the additional excavation is backfilled with concrete fill."
18	Section 2.5.4.5.1.4, first paragraph, first sentence	Editorial	Revised to provide common reference to site grade instead of existing grade, and added clarification that unsaturated loess is removed: "Excavation to a depth of about ~~47~~48.5 ft. (elevation ~~86.5~~85 ft.) below site grade is made to remove undocumented fill and unsaturated Upper loess that has potential for collapse when saturated."
19	Section 2.5.4.5.1.4, first paragraph, second sentence	Editorial	Changed to read: "The excavation stops above the highest modeled perched water level measured (Figure 2.5.1-239) to preclude the need for dewatering for the FWSC during construction."
20	Section 2.5.4.5.3.1, first paragraph, fourth sentence	Editorial	Changed to read: "Concrete fill is also the ~~desired~~ material ~~for~~ to use in backfilling required excavations made to remove unsuitable soils below design mat foundation bearing elevations."
21	Section 2.5.4.5.3.1 Third paragraph, first	Editorial	Changed to read: "If not available on-site, the sand will be obtained from local borrow pits or other acceptable off-site sources."

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
	sentence		
22	Section 2.5.4.5.3.1 Third paragraph, fourth sentence	Editorial	Changed to read: "If the sand is obtained from local borrow pits (or other off-site sources), samples of the borrow pit sands will also be collected and tested in the lab."
23	Section 2.5.4.5.3.2, first paragraph, first sentence	Editorial / Clarification	Changed to read: "Concrete fill for backfill purposes beneath and around the RB/FB and CB mat foundations is defined as unreinforced, normal weight concrete having a 28-day design compressive strength of 2500 psi, and a lower bound modulus of elasticity (E) of 120,000 kips per square foot."
24	Section 2.5.4.5.3.2, second paragraph, first sentence	Editorial / Clarification	Changed to read: "Sand for backfill around ~~and below~~ the Seismic Category I structures, and, in the case of the FWSC, below the structure, will be an inorganic, non-plastic, clean, fine to medium sand having a Unified Soil Classification System symbol of SP, SP-SM, or SP-SC."
25	Section 2.5.4.5.4.3 number	Editorial	Revise section number to "2.5.4.5.3.4.3"
26	Section 2.5.4.5.4.1, fifth paragraph, first sentence	Editorial / Clarification	Changed to read: "Once the excavation surfaces for the RB/FB and CB ~~has~~ have been inspected, proofrolled, and prepared as discussed above, concrete fill will be placed to reach the design mat bearing elevations."
27	Section 2.5.4.5.4.1, first paragraph, second sentence	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the last two paragraphs in Section 2.5.4.5.4.1: "After the excavation for the FWSC reaches the planned level (about elevation 85 ft.), the exposed materials will be observed by the Geotechnical Inspection personnel to check for unsaturated, loose or soft zones that may require improvement before placement of the structural fill begins. Improvements could include local undercutting, placing geosynthetic grids, placing aggregate stabilization material, or local compaction. "Once the excavation surface for the FWSC has been inspected, prepared and

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			judged suitable to receive fill, the structural fill will be placed and compacted as discussed in Section 2.5.4.5.3.3."
28	Section 2.5.4.6.1, third paragraph	Editorial and Supplement (GGNS COL 2.0-29-A)	Relocated the paragraph to become the last paragraph of the section, and revised it to read: "As discussed in Section 2.5.4.5, excavations for the RB/FB and the CB foundations will extend through the Loess and into the UCA. The majority of the loess is unsaturated. The piezometric surface and first zone of saturation occur within the lower 10 ft. of the loess, at elevations of 88 to 90 ft. in the powerblock area (Figure 2.5.1-239). Within the area of the FWSC, cone penetrometer probes indicated presence of water at elevations of about 80 to 83 ft. (Figure 2.5.1-203). The sediments of the UCA are fully saturated and contain permeable sands as well as clayey, silty sands and sandy clays. The UCOA is saturated and contains highly permeable zones of coarse sands and gravels in addition to less permeable clayey and silty sands. The stratigraphy of these units is discussed in ~~SSAR~~ Section 2.5.1.2, and detailed hydrogeologic descriptions are contained in Section 2.4.12."
29	Section 2.5.4.7, last paragraph, first sentence	Editorial	As discussed in Section~~s 2.5.1 and~~ 2.5.4.1.1, no evidence of historic or prehistoric seismic ground failure, including liquefaction and lateral spreading, was found during the site investigation.
30	Section 2.5.4.7, last paragraph, last sentence	Editorial	Changed to disambiguate geologic definition of unconsolidated from engineering definition of unconsolidated: "Section 2.5.4.8 discusses numerical liquefaction analysis of the ~~unconsolidated~~ loess and UCA and old alluvium."
31	Section 2.5.4.7.1 last paragraph	Editorial – Consistency	Change to read: "A range of shear wave velocity values that span a reasonable range in expected mean velocities were developed to characterize the ~~50~~ 48.5 ft. of planned structural backfill beneath the FWSC."
32	Section 2.5.4.8.1, second paragraph	Supplement (GGNS COL	Revise the second paragraph to read as follows, and add information as shown: "As discussed in Section 2.5.4.10, the Seismic Category I safety-related Reactor

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
		2.0-29-A)	Building basemat for Unit 3 is founded at elevation 67.9 ft. (NAVD, 65.6 ft. below site grade). The excavation for the Reactor Building extends about four feet below elevation 67.9 ft., down to ~~within~~ the Pleistocene UCA ~~consisting of~~ (dense alluvial sand and stiff clay), to provide suitable foundation support. Fill concrete is used to replace the material removed above the UCA—fill concrete is not susceptible to liquefaction. The Seismic Category I safety-related CB basemat is founded at elevation 84.6 ft. (NAVD, 48.9 ft. below site grade), within Upper loess soils that overlie the UCA. Overexcavation through the loess (Upper and Lower loess), and into the dense sands and stiff clays of the UCA, will bear the CB structure on suitably competent material. As with the excavation for the Reactor Building, non-liquefiable fill concrete is used to replace the material removed above the UCA. The excavation for the Seismic Category I safety-related Fire Water Storage Complex extends to about elevation 85 ft. (NAVD, 48.5 ft. below site grade), down to the saturated loess zone. Structural backfill described in Section 2.5.4.5.3.2 is used to replace the material removed above the saturated loess—this structural backfill, compacted to specifications in 2.5.4.5.3.3, is not susceptible to liquefaction. Plan maps, cross sections, and summary boring logs presented in Section 2.5.4.3 show the locations and foundation conditions of the Seismic Category I nuclear island basemat. ”
33	Section 2.5.4.8.1, third paragraph	Supplement (GGNS COL 2.0-29-A)	Revised to relocate the first sentence as indicated in Item No. 32 as shown above, and the second sentence is deleted.
34	Section 2.5.4.8.2, second paragraph, first sentence	Editorial	Changed to read: “The geologic screening process described in RG 1.198 was applied to the ~~unconsolidated~~ unlithified ~~or poorly consolidated~~ GGNS deposits that include Upper loess, Lower loess, UCA, and UCOA defined in Section

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			2.5.1.2."
35	Section 2.5.4.10, third paragraph	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the fourth sentence in the third paragraph: "As discussed in Section 2.5.4.5.1.2, existing loess below the CB mat is removed down to the dense sands and gravels of the UCA and replaced with concrete fill."
36	Section 2.5.4.10, fourth paragraph	Editorial	Changed to read: "The FWSC mat foundation has plan dimensions of 65.6 by 170.6 ft. The mat thickness is 8.2 ft. ~~and it bears~~ The DCD places the bearing level for the FWSC mat at 7.7 ft. below the DCD reference grade (4500 mm) which corresponds to site grade elevation 133.5 ft. as discussed above. At the DCD bearing level, the ~~The~~ base of the FWSC foundation is at elevation 125.8 ft. The FWSC mat is designed for allowable soil bearing pressures of 3450 psf (static) and 9200 psf (dynamic). The weight of the foundation mat is included in the static bearing pressure."
37	Section 2.5.4.10, fifth paragraph, second sentence	Supplement (GGNS COL 2.0-29-A)	Changed to read: "Seismic loading conditions were not considered in the analysis, except as expressed in the DCD dynamic bearing pressure criteria."
38	Section 2.5.4.10, sixth paragraph, first sentence	Editorial	Changed to read: "The existing soils at the DCD bearing level for the ~~The~~ FWSC mat ~~is~~ are ~~bearing on~~ a combination of undocumented fill and Upper loess."
39	Section 2.5.4.10, seventh paragraph	Supplement (GGNS COL 2.0-29-A)	Changed to read: "The conditions of the undocumented fill are uncertain with respect to lateral and vertical variability. No plant records regarding placement or compaction are known. The undocumented fill is not a suitable bearing material for the FWSC because of its variability and placement uncertainty. The piezometric surface and first zone of saturation occur within the lower 10 ft. of the loess, at elevations of 82 to 88 ft. in the FWSC area (Figure 2.5.1-239). Therefore, the ~~The Upper~~ loess above this elevation is unsaturated and has the potential for collapse upon saturation. For these reasons, removal of the unsaturated zones of the

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			~~Upper~~ loess and the undocumented fill is performed. The removed material is replaced with compacted sand fill having the characteristics described in Section 2.5.4.5.3.2. See also Section 2.5.4.3.2 regarding foundation interfaces and the complete over-excavation of undocumented fill and unsaturated Lower loess materials."
40	Section 2.5.4.10, end of seventh paragraph	Variance (GGNS ESP VAR 2.5-2)	Inserted the following as the eighth paragraph in Section 2.5.4.10: "The ESP assessed loess as not suitable for support of safety-related structures or heavy structures based on the potential for unsaturated loess to experience collapse upon future saturation. The site characterization for the COL investigation has identified saturated conditions within parts of the Upper and Lower loess (Sections 2.4.12, 2.5.4.6). Loess that is below the piezometric surface and first zone of saturation is saturated, and thus does not have a collapse potential. Therefore, loess that is saturated is evaluated as a possible material to support a compacted structural fill below the FWSC. The evaluation considered the bearing capacity and settlement compared to the DCD criteria for performance. Incorporating loess as part of the support material for the structural fill placed for the FWSC is identified as a variance from the ESP SSAR, Section 2.5.1.2."
41	Section 2.5.4.10.1, first paragraph, fourth sentence	Editorial – consistency	Changed to read: "A high water table elevation of +~~85~~ 83 ft. (NAVD 88) was used in the analyses."
42	Section 2.5.4.10.1, second paragraph, fourth sentence	Editorial / Clarification	Changed to read: "The soils below the RB/FB and CB mat foundation bearing levels, and below the loess at the FWSC, include dense sand and gravel layers and hard clays and claystones."
43	Section 2.5.4.10.1, second paragraph, last sentence	Editorial	Change to read: "The conventional data collection methods (SPT borings, CPT soundings, and pressuremeter tests) used for the overall site exploration are not as reliable for estimating elastic modulus values in these gravelly and hard soils as are in-situ geophysical measurements."

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
44	Section 2.5.4.10.1, third paragraph, first sentence	Supplement (GGNS COL 2.0-29-A)	Changed to read: "Geophysical data obtained by velocity suspension logging were used to estimate the elastic modulus of the dense sand and gravel layers and the hard clays and claystones ~~each soil layer~~."
45	Section 2.5.4.10.1, third paragraph, sixth sentence	Editorial / Clarification	Changed to read: "For analysis, the material below the RB/FB and CB mat bearing levels was divided into layers."
46	Section 2.5.4.10.1, end of third paragraph	Supplement (GGNS COL 2.0-29-A)	Inserted the following as fourth paragraph in Section 2.5.4.10.1: "For saturated loess that is between the structural fill and the deeper dense sand and gravel layers at the FWSC, conventional correlations between cone penetrometer data and elastic modulus were used to obtain an elastic modulus of 225 kips per square foot."
47	Section 2.5.4.10.2, third paragraph, second sentence	Editorial – Consistency	Change to read: "These values provide a factor-of-safety (FOS) of 17 or greater (static) and 4 or greater (dynamic) with respect to bearing capacity failure for the RB/FB mat foundation and a FOS of 44~~36~~ or greater (static) and 4~~5~~ or greater (dynamic) for the CB."
48	Section 2.5.4.10.2, fourth paragraph, end of first sentence	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the second sentence of the fourth paragraph in Section 2.5.4.10.2: "The calculation used a two-layer approach to consider the structural sand fill overlying the loess."
49	Section 2.5.4.10.2, fourth paragraph, third sentence	Editorial	Changed to read: "~~This value provides an FOS~~ The calculated FOS is greater than 50 for static loading and greater than 21 for dynamic loading."
50	Section 2.5.4.10.4, tenth paragraph, first sentence	Editorial / Clarification	Changed to read: "For the FWSC mat foundation, the DCD Table 2.0-1 criteria for settlement are for post-construction movement, that is, movement after all the tank and building loads are applied and both tanks are filled with water, with the exception that ~~of~~ the differential settlement of the basemat after it has been placed

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			is applicable to loads applied by the constructed tanks and initial water fill."
51	Section 2.5.4.10.4, eleventh paragraph, first sentence	Editorial / Clarification	Changed to read: "The calculated differential settlement due to the loads applied from the tanks, equipment, and water fill during the construction is 0.41 inches, which meets the DCD Table 2.0-1 criterion."
52	Section 2.5.4.10.4, eleventh paragraph, second sentence	Supplement (GGNS COL 2.0-29-A)	Changed to read: "No long-term settlement is predicted after the initial water fill of the tanks."
53	Section 2.5.4.10.4, end of eleventh paragraph	Supplement (GGNS COL 2.0-29-A)	Inserted the following as the last sentence of the eleventh paragraph in Section 2.5.4.10.4: "The bearing capacity and settlement of the FWSC mat supported on a structural fill that is in turn supported on loess that is saturated meet the DCD criteria."
54	Section 2.5.4.10.6, third paragraph, sixth sentence	Editorial	Changed to read: "These soil properties will ~~need to~~ be validated based on laboratory testing of representative soil samples once a borrow source is identified, prior to construction."
55	Section 2.5.4.12, third paragraph	Supplement (GGNS COL 2.0-29-A)	Changed to read: "Shallow-depth soil improvement techniques, including over-excavation and replacement, placement of geosynthetics, placement of aggregate layers, and bearing surface compaction will apply to preparation of the foundation or structural fill bearing surfaces."
56	Section 2.5.4.12, fourth paragraph	Variance (GGNS ESP VAR 2.5-2)	Changed to read: "As discussed in Section 2.5.4.5, removal of undocumented fill and unsaturated loess with replacement by compacted sand backfill is planned for improvement of the soils."
57	Section 2.5.4.12.3	Variance (GGNS ESP VAR 2.5-2)	Inserted the following as Section 2.5.4.12.3: "2.5.4.12.3 FWSC Structural Fill Support Surface Preparation Approximately 45 feet of undocumented fill and unsaturated loess will be removed

Item	FSAR Location (e.g., subsection with paragraph/sentence/ item; table, figure, or reference number)	Type of Change	Description of Change (Underline is new, ~~strikethrough~~ deleted)
			and replaced by compacted structural fill. The surface exposed at the base of the excavation will be observed, evaluated (as described in Section 2.5.4.5.4.1) and approved by the Geotechnical Inspection personnel prior to starting placement of the structural fill."
58	Section 2.5.4	Editorial	Table, figure, and reference numbers have been revised throughout Section 2.5.4 to reflect the move of Tables 2.5.4-201 through 2.5.4-204, Figures 2.5.4-201 through 2.5.4-247, and References 2.5.4-201 through 2.5.4-211 from Section 2.5.4 to Section 2.5.1. See attached tables of changes in table, figure and reference numbers for the revised FSAR Section 2.5.1 and revised FSAR Section 2.5.4.
59	Section 2.5.4	Editorial	References to Sections in the FSAR and SSAR have been revised throughout Section 2.5.4 to reflect the move of Section 2.5.4.1.1 through 2.5.4.1.4 to Section 2.5.1.2 through 2.5.1.2.4, respectively.
60	Section 2.5.4	Editorial	Other minor editorial changes, to correct typographical and grammatical errors, are not specifically listed.

Cross-Reference of FSAR Section 2.5.4 Figures and References Relocated to FSAR Section 2.5.1 or Retained in FSAR Section 2.5.4							
FIGURES RETAINED IN 2.5.4		FIGURES MOVED TO 2.5.1		REFERENCES MOVED TO 2.5.1		REFERENCES RETAINED IN 2.5.4	
Section 2.5.4 Rev. 0 Figure #	Section 2.5.4 Rev. 1 Figure #	Section 2.5.4 Rev. 0 Figure #	Section 2.5.1 Rev. 1 Figure #	Section 2.5.4 Rev. 0 Reference #	Section 2.5.1 Rev. 1 Reference #	Section 2.5.4 Rev. 0 Reference #	Section 2.5.1 Rev. 1 Reference #
2.5.4-248	2.5.4-201	2.5.4-201	2.5.1-201	2.5.4-201	2.5.1-201	2.5.4-201	2.5.4-201
2.5.4-249	2.5.4-202	2.5.4-202	2.5.1-202	2.5.4-202	2.5.1-202	2.5.4-202	2.5.4-232
2.5.4-250	2.5.4-203	2.5.4-203	2.5.1-203	2.5.4-203	2.5.1-203	2.5.4-209	2.5.4-220
2.5.4-251	2.5.4-204	2.5.4-204	2.5.1-204	2.5.4-204	2.5.1-204	2.5.4-211	2.5.4-202
2.5.4-252	2.5.4-205	2.5.4-205	2.5.1-205	2.5.4-205	2.5.1-205	2.5.4-212	2.5.4-203
2.5.4-253	2.5.4-206	2.5.4-206	2.5.1-206	2.5.4-206	2.5.1-206	2.5.4-213	2.5.4-204
2.5.4-254	2.5.4-207	2.5.4-207	2.5.1-207	2.5.4-207	2.5.1-207	2.5.4-214	2.5.4-205
2.5.4-255	2.5.4-208	2.5.4-208	2.5.1-208	2.5.4-208	2.5.1-208	2.5.4-215	2.5.4-206
2.5.4-256	2.5.4-209	2.5.4-209	2.5.1-209	2.5.4-209	2.5.1-209	2.5.4-216	2.5.4-207
2.5.4-257	2.5.4-210	2.5.4-210	2.5.1-210	2.5.4-210	2.5.1-210	2.5.4-217	2.5.4-208
2.5.4-258	2.5.4-211	2.5.4-211	2.5.1-211	2.5.4-211	2.5.1-211	2.5.4-218	2.5.4-209
2.5.4-259	2.5.4-212	2.5.4-212	2.5.1-212			2.5.4-219	2.5.4-210
2.5.4-260	2.5.4-213	2.5.4-213	2.5.1-213			2.5.4-220	2.5.4-211
2.5.4-261	2.5.4-214	2.5.4-214	2.5.1-214			2.5.4-221	2.5.4-213
2.5.4-262	2.5.4-215	2.5.4-215	2.5.1-215			2.5.4-222	2.5.4-214
2.5.4-263	2.5.4-216	2.5.4-216	2.5.1-216			2.5.4-223	2.5.4-215
2.5.4-264	2.5.4-217	2.5.4-217	2.5.1-217			2.5.4-224	2.5.4-216
2.5.4-265	2.5.4-218	2.5.4-218	2.5.1-218			2.5.4-225	2.5.4-217
2.5.4-266	2.5.4-219	2.5.4-219	2.5.1-219			2.5.4-226	2.5.4-219
2.5.4-267	2.5.4-220	2.5.4-220	2.5.1-220			2.5.4-227	2.5.4-218
2.5.4-268	2.5.4-221	2.5.4-221	2.5.1-221			2.5.4-228	2.5.4-221
2.5.4-269	2.5.4-222	2.5.4-222	2.5.1-222			2.5.4-229	2.5.4-222
2.5.4-270	2.5.4-223	2.5.4-223	2.5.1-223			2.5.4-230	2.5.4-223
2.5.4-271	2.5.4-224	2.5.4-224	2.5.1-224			2.5.4-231	2.5.4-224
2.5.4-272	2.5.4-225	2.5.4-225	2.5.1-225			2.5.4-232	2.5.4-225
2.5.4-273	2.5.4-226	2.5.4-226	2.5.1-226			2.5.4-233	2.5.4-226

LIST OF CHANGES TO REV. 0 FSAR SECTION 2.5.4

Cross-Reference of FSAR Section 2.5.4 Figures and References Relocated to FSAR Section 2.5.1 or Retained in FSAR Section 2.5.4							
FIGURES RETAINED IN 2.5.4		FIGURES MOVED TO 2.5.1		REFERENCES MOVED TO 2.5.1		REFERENCES RETAINED IN 2.5.4	
2.5.4-274	2.5.4-227	2.5.4-227	2.5.1-227			2.5.4-234	2.5.4-227
2.5.4-275	2.5.4-228	2.5.4-228	2.5.1-228			2.5.4-235	2.5.4-228
2.5.4-276	2.5.4-229	2.5.4-229	2.5.1-229			2.5.4-236	2.5.4-229
		2.5.4-230	2.5.1-230			2.5.4-237	2.5.4-230
		2.5.4-231	2.5.1-231			2.5.4-238	2.5.4-231
		2.5.4-232	2.5.1-232			2.5.4-239	2.5.4-233
		2.5.4-233	2.5.1-233			2.5.4-240	2.5.4-247
		2.5.4-234	2.5.1-234			2.5.4-241	2.5.4-248
		2.5.4-235	2.5.1-235			2.5.4-242	2.5.4-238
		2.5.4-236	2.5.1-236			2.5.4-243	2.5.4-239
		2.5.4-237	2.5.1-237			2.5.4-244	2.5.4-240
		2.5.4-238	2.5.1-238			2.5.4-245	2.5.4-241
		2.5.4-239	2.5.1-239			2.5.4-246	2.5.4-243
		2.5.4-240	2.5.1-240			2.5.4-247	2.5.4-245
		2.5.4-241	2.5.1-241			2.5.4-248	2.5.4-246
		2.5.4-242	2.5.1-242			2.5.4-249	2.5.4-250
		2.5.4-243	2.5.1-243			2.5.4-250	2.5.4-251
		2.5.4-244	2.5.1-244			2.5.4-251	2.5.4-249
		2.5.4-245	2.5.1-245			2.5.4-252	2.5.4-253
		2.5.4-246	2.5.1-246			2.5.4-253	2.5.4-237
		2.5.4-247	2.5.1-247			2.5.4-254	2.5.4-236
						2.5.4-255	2.5.4-235
						2.5.4-256	2.5.4-234
						2.5.4-257	2.5.4-212
						2.5.4-258	2.5.4-242
						2.5.4-259	2.5.4-252
						2.5.4-260	2.5.4-244

LIST OF CHANGES TO REV. 0 FSAR SECTION 2.5.4

Cross-Reference of FSAR Section 2.5.4 Tables Relocated to FSAR Section 2.5.1 or Retained in FSAR Section 2.5.4			
TABLES MOVED TO 2.5.1		TABLES RETAINED IN 2.5.4	
Section 2.5.4 Rev. 0 Table #	Section 2.5.1 Rev. 1 Table #	Section 2.5.4 Rev. 0 Table #	Section 2.5.4 Rev. 1 Table #
2.5.4-201	2.5.1-201	2.5.4-205	2.5.4-201
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		2.5.4-209	2.5.4-205
		2.5.4-210	2.5.4-206
		2.5.4-211	2.5.4-207
		2.5.4-212	2.5.4-208
		2.5.4-213	2.5.4-209
		2.5.4-214	2.5.4-210
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		2.5.4-218	2.5.4-214
		2.5.4-219	2.5.4-215
		2.5.4-220	2.5.4-216