

Revised Pages

Page Changes	
Remove Rev. 0	Insert Rev. 1
Cover page	Cover page
i to vi	i to vi
Section 1 all pages (including Drawings)	1-1 to 1-7 + Drawings (4 sheets)
2-1 to 2-30	2-1 to 2-30b
2-89 to 2-91	2-89 to 2-92
3-6 to 3-8	3-6 to 3-8
4-1 to 4-2	4-1 to 4-3
6-5 to 6-7	6-5 to 6-7
6-18	6-18
7-1 to 7-3	7-1 to 7-3
8-1 to 8-6	8-1 to 8-6

Changed Pages	Explanation of Changes Made
Cover page	This page was modified to reflect the current SAR revision level and date.
TOC i to vi	The table of contents was updated.
1-3	The containment system and containment boundary were included in the packaging description as reflected in the changes to Section 4.
Appendix 1.3.1 Drawing 60699-SAR	On sheet 1 the List of Materials were modified to clarify the description and specification of several items. Items 31 – 33 included to clarify optional items identified in notes. On sheet 2 missing weld symbols were included on Detail B clarifying welds between angles and outer sheet metal. Section H-H has been added to Overpack Assembly to clarify length of item 8. Option section added to clarify position of optional items. On Section C-C, item 3 (14 gauge) corrected to item 1 (18 gauge). This non structural item is used to prevent the foam from coming out of the threaded hole during fabrication. On sheet 3, Detail D, two weld symbols were corrected. The butt weld is now ground flush for appearance. On sheet 4, Detail Item 31 was included to clarify optional threaded bar. Section H-H was included to clarify length and function of item 8.
2-2 to 2-3	Section 2.1.2.1.1, <i>Brittle Fracture Assessment</i> , has been revised to provide specific information to justify the performance of the structural items of the package that was previously inadequate.
2-6	Section 2.2.1.5, <i>Drum</i> , has been revised to clarify that the drum design is certified rather than pre-use testing.
2-8 to 2-9	Section 2.3.1.1, <i>Fabrication Options</i> , has been added to clarify and provide justification for optional fabrication items identified in the drawings.
2-10	Reference to Section 8.1.5 revised to correct section title.
2-14	Section 2.6.1.3, <i>Stress Calculations</i> , has been clarified that the drum design undergoes pressure testing and not pre-use testing. Section 2.6.2, <i>Cold</i> , has been clarified by providing reference to Section 2.1.2.1.1, <i>Brittle Fracture Assessment</i> , for the technical justification.

2-30a	The summary of damage regarding small quantities of powder leaking from the drum was expanded for clarification related to the containment boundary. Also related to defining the containment boundary, “confinement” was replaced with “containment.”
2-89	The as-tested condition of the certification test unit has been expanded to clarify the optional items specified in the drawings and to include the change of clamshell closure bolt material between the tested and licensed use.
2-91	Comparison between the Aluminum Oxide Powder and Uranium Oxide Powder has been clarified with regard to the certification testing criteria rather than leak test criteria.
2-92	Further discussion was added to the comparison between the Aluminum Oxide Powder and Uranium Oxide Powder to provide additional information as it relates to the containment boundary.
3-6	Section 3.3.1.2, <i>Cold</i> , has been revised to include a reference to Section 2.1.2.1.1 for the technical justification. Also, the materials of construction listed has been updated to reflect the technical justification.
4-1	The containment system has been revised to include the drum assembly in order to meet the requirements of the regulations. Nearly all of Section 4 has been updated to reflect this change.
4-2 to 4-3	Containment under Hypothetical Accident Conditions has been revised to correctly reflect the requirements of 10 CFR §71.55 for fissile material packages. Added in the justification of Section 4.4 was the unlimited A ₂ value of the contents.
6-5	Section 6.3, <i>General Considerations</i> , has been revised to include discussion on small quantities of powder leaking from the containment boundary. This change is associated with defining the containment system in Section 4.
6-7	Reference to Section 6.6 revised to correct section title.
6-18	Corrected title of Section 6.6, <i>Package Arrays Under Hypothetical Accident Conditions</i> .
7-1	The loading conditions were clarified to ensure the body of the drum is inspected prior to placing into the overpack.
7-2	Securing the clamshell closure ring jam nut has been added to correct this missing step.
8-1	Section 8.1.3.2, <i>Pressure Testing</i> , has been revised to clarify drum design testing rather than pre-use testing.
8-3	Section 8.1.5.1.3, <i>Physical Characteristics</i> , has been revised to clarify and correct missing references. References to Section 8.3 have been included to provide location of information.
8-5	Reference to Section 8.1.5 revised to correct section and title.