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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Document ID 5014593
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April 10, 2006

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: USNRC Docket No. 72-1014
HI-STORM 100 Certificate of Compliance 1014
HI-STORM Final Safety Analysis Report Update per 10 CFR 72.248(c)(6)

Reference: 1. Holtec Project 5014
2. Approval of CoC 1014 Amendment 2 dated June 7, 2005
3. Holtec Letter 5014574 dated August 3, 2006

Dear Sir:

In accordance with 10 CFR 72.248(c)(6), Holtec International herewith submits an update to the Final Safety Analysis Report (FSAR) for the HI-STORM 100 Dry Spent Fuel Storage System, consisting of Revision 3 and Revision 4 of this FSAR:

- HI-STORM 100 FSAR Revision 3 includes the effects of all changes to the cask design or procedures that have received prior NRC review and approval through Amendment 2 to the HI-STORM CoC (Reference 2). This FSAR Revision also includes the effects of changes to the cask design or procedures made pursuant to 10 CFR 72.48 that were not previously incorporated into the FSAR, up to May 26, 2005. This FSAR Revision was previously submitted to the NRC (Reference 3) to satisfy the requirement outlined in the amendment approval (Reference 2). FSAR Revision 3 completely superseded FSAR Revision 2. This FSAR revision is submitted since it includes the revision bars to identify all changes described above.
- HI-STORM 100 FSAR Revision 4 includes the effects of changes to the cask design or procedures made pursuant to 10 CFR 72.48 that were incorporated into the FSAR after May 26, 2005. FSAR Revision 4 completely superseded FSAR Revision 3.

In both revisions, FSAR Section 1.0.1 includes a list of Holtec Engineering Change Orders (ECOs) for generic changes to the cask system that are reflected in the revision. A subset of those ECOs represent changes authorized under 10 CFR 72.48. The balance represent changes for which 10 CFR

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72.48 was not applicable (e.g., editorial, correction of inconsistency, NRC approval). Lists summarizing the changes to drawings made by Holtec under the provisions of 10 CFR 72.48 in each FSAR revision are provided in Attachment 1 to this letter. Updated versions of drawings are provided in FSAR Section 1.5 of each revision. FSAR Revision 3 incorporated changes as a result of the approved license amendment LAR 1014-2, as well as changes under of 10 CFR 72.48. Attachment 2 to this letter identifies all pages where changes were made under the provisions of 10 CFR 72.48. In FSAR Revision 4, all changes, as marked with revision bars, were made under the provisions of 10 CFR 72.48.

All changes included in the FSAR text and tables in each revision are indicated with a revision bar in the right margin and the revision number in the lower right corner of the page. If anything in a particular text section (e.g., Section 1.X) changed, the entire section was updated to the new revision number. The revision bars indicate the specific location of the changes on the affected pages. Sections with no changes in a revision still indicate in the footer the last revision that this section was changed.

Any new or revised figures have been updated individually and include the new revision number in the footer below the figure. Figures that did not change still indicate the last revision number that the figure was changed. Lastly, both FSAR revisions include updated tables of contents and lists of effective pages, indicating the current revision of text pages and figures in the document.

10 CFR 72.248(c)(6) requires that an update is filed every 24 months from the date of the issuance of the CoC. With an initial certification date of June 1, 2000, the update would be due by June 1, 2006. However, it has also been a practice to submit updates in no more than 24 month intervals, although this is not based on a regulatory requirement. The last HI-STORM FSAR update (FSAR Revision 2) was submitted in March 2002. In order to not significantly exceed the 24 month interval between FSAR updates, the current update is submitted in April 2006. Since this update contains all implemented changes at this time, it will still be a valid update in June 2006 in respect to the 6 month period specified in 10 CFR 72.248(c)(7). Therefore, no further revised FSAR will be submitted in June 2006. Only a certification, as requested by 10 CFR 72.248(c)(4)(i), will be submitted at that time, referencing the current submittal. This way, submittals will be re-aligned with the 24 month schedule based on the initial certification date.



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This FSAR update is provided as an electronic submittal only, in compact disc format.

If you have any questions or require additional information, please contact us.

Sincerely,

Stefan Anton, Dr.-Ing.
Licensing Manager

Document ID: 5014593

- Attachment: 1. List of Changes Made to Drawings Pursuant to 10 CFR 72.48 (8 Pages)
 2. Identification of Changes to HI-STORM FSAR Rev. 3 Pursuant to 10 CFR 72.48
 (1 Page)
- Enclosure: HI-STORM 100 Cask System Final Safety Analysis Report,
 Revisions 3 and 4 (CD format).
- Distribution: NRC Document Control Desk (original w/attach. and encl.)
 Mr. Christopher Regan, USNRC (w/attach. and encl.)
 General and Site-Specific Licensees (via separate distribution)
 Holtec Groups 1-4 (w/o attach. and encl.)
 HUG (w/o attach. and encl.)



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CERTIFICATION PURSUANT TO 10 CFR 72.248(c)(4)(i)

I hereby certify that the information in HI-STORM FSAR, Revision 3 and Revision 4 accurately presents changes made since the submittal of HI-STORM FSAR Revision 2.

Stefan Anton, Dr.-Ing.
Licensing Manager

INFORMATION PERTAINING TO COMPACT DISK SUBMITTAL

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Document Components: One (1) CD-ROM is included with this submission. The CD-ROM labeled "HI-STORM 100 FSAR Rev 3&4" contains two files:

File Name 1:	HI-STORM 100 FSAR Rev 3.pdf
File Size:	31 Megabytes
File Name 2:	HI-STORM 100 FSAR Rev 4.pdf
File Size:	31 Megabytes
Sensitivity Level:	Publicly available

Non-document Components: None

CHANGES TO DRAWINGS HI-STORM FSAR, REVISIONS 3 AND 4

Table 1
Changes to DWG 3923 MPC Enclosure Vessel

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		--- FSAR Rev. 3 ---
5014-99	700	<p>[1] Sheet 3: Change the profile of Detail D for MPC 24 and 68 to have a tapered edge similar to that of the "F" lids.</p> <p>[2] Sheet 4: Change the profile of Detail E for MPC 24 and 68 to have a tapered edge similar to that of the "F" lids.</p>
5014-101	706	Reduce the groove weld between the port cover plate and the MPC lid from 3/16" to 1/8".
1021-61, 1022-57, 1023-30	717	<p>[1] Sheet 2: add statement to read, "SEE NOTE 4 ON SHEET 4" under the MPC LID callout.</p> <p>[2] Sheet 3: add plug weld to the closure ring in DETAIL D (MPC-24,-24E,-32, AND -68).</p> <p>[3] Sheet 3: add Note 6 to read, "OPTIONAL CONSTRUCTION FOR THE CLOSURE RING PROVIDES PENETRATIONS TO ALLOW HELIUM LEAKAGE TESTING OF THE MPC LID-TO-SHELL AND VENT/DRAIN PORT COVER PLATE WELDS DURING A SINGLE TEST. PLUG WELDS IN THE CLOSURE RING ARE IDENTICAL TO THE PLUG WELDS IN THE VENT/DRAIN PORT COVER PLATES AND, ACCORDINGLY, ARE ADEQUATE TO SEAL THE MPC."</p> <p>[4] Sheet 4: add statement to read, "SEE NOTE 4" next to the lid height dimension.</p> <p>[5] Sheet 4, Note 2: replace 66 1/32" with 65.8"</p> <p>[6] Sheet 4, add Note 4 to read, "MPC-68 SERIAL #1021-040 HAS A ONE-TIME DEVIATION WITH RESPECT TO THE MPC LID THICKNESS. SHEET 6 DEPICTS THE SPECIFIC CONFIGURATION FOR THIS LID (SMDR-1021-929)."</p> <p>[7] Add Sheet 6</p> <p>[8] Sheet 5, change lower PWR fuel spacer upper and lower plate thickness dimension from 3/8" THK. (MIN.) to 3/8" THK (MAX.)</p> <p>[9] Sheet 5, change lower BWR fuel spacer upper and lower plate thickness dimension from 5/16" THK. to 3/8" THK. (MAX.) and change upper BWR fuel spacer upper plate thickness dimension from 5/16" THK. (MIN.) to 3/8" THK. (MAX.)</p> <p>[10] Sheet 5, change upper PWR fuel spacer upper plate thickness dimension from 3/4" THK. (MIN.) to 3/8" THK. (MAX.).</p>

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
5014-117	739	<p>[1] SHEET 4, DETAIL E (MPC-24,-24E, 32 AND 68): CHANGE 1-3/8" THICKNESS DIMENSION TO 3/8".</p> <p>[2] SHEET 6, DETAIL E (MPC-24,-24E, 32 AND 68): CHANGE 1-3/8" THICKNESS DIMENSION TO 3/8".</p> <p>[3] SHEET 4, NOTE 2: CHANGE NOTE TO READ, "MPC LID IS 66 3/4" (MIN.) DIAMETER EXCEPT "F" MODEL...."</p> <p>[4] SHEET 4, MPC LID OD: CHANGE "67 1/32" [MIN.]" TO "66 3/4" [MIN.]".</p>
		--- FSAR Rev. 4 ---
1021-71	634	<p>CHANGES TO DRAWING 3923, SHEET 6</p> <p>[1] CHANGE TITLE OF ELEVATION VIEW IN BOTTOM LEFT CORNER FROM "MPC LID" TO "MPC LID ELEVATION VIEW (SHIELD LID NOT SHOWN)". ADD TITLE TO PLAN VIEW IN TOP LEFT CORNER AS "MPC LID PLAN VIEW (SHIELD LID NOT SHOWN)". ADD TITLE TO SECTION VIEW IN BOTOTM RIGHT CORNER AS "SECTION VIEW WITH SHIELD LID". DELETE MPC NOMENCLATURE IN PARENTHESIS IN TITLE FOR DETAIL E.</p> <p>[2] ADD DIAMETER OF 67 5/8 IN. TO SHIELD LID CALLOUT IN SECTION VIEW. ADD CALLOUTS FOR MPC SHELL AND MPC LID IN SECTION VIEW. SHOW AND ADD CALLOUT FOR 2-1/8" THRU HOLES WITH 4-1/2" X 1/2" DEEP COUNTERBORE ON SHIELD LID THROUGH HOLES. SHOW AND ADD CALLOUT FOR 1 3/4" - 5UNC X 3" HEX BOLTS WITH 3/8" HEADS (TYP. 4 PLACES).</p> <p>[3] CHANGE ANGLE FOR LID-TO-SHELL WELD PREP FROM 30 DEGREES (MIN) TO 45 DEGREES.</p> <p>[4] ADD DIMENSION TO SECTION VIEW SHOWING 10" TOTAL THICKNESS FROM THE BOTTOM OF THE MPC LID TO THE TOP OF THE SHIELD LID.</p> <p>[5] IN THE CALLOUT FOR THE 1 3/4 TAPPED HOLES IN THE MPC LID IN THE PLAN VIEW, DELETE THE WORDS "PLUGGED FOR TRANSPORTATION AND STORAGE".</p>

Table 2
Changes to DWG 3925 MPC-24E/EF Fuel Basket Assembly

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1022-57	717	Sheet 2, Note 5: add statement to the end of the note to read, "MPC-24 SERIAL #1022-029 FOR TROJAN HAS A ONE-TIME DEVIATION WITH RESPECT TO THE LOCATION OF THE RECTANGULAR SLOTS AND MOUSEHOLES ON TWO CELL PLATES BETWEEN CELL NUMBERS 11 AND 17. THESE TWO CELL PLATES HAVE THE RECTANGULAR SLOTS ON TOP AND THE MOUSEHOLES ON THE BOTTOM. EVALUATION OF THIS DEVIATION HAS CONCLUDED THAT THERE IS A NEGLIGIBLE IMPACT ON THE DESIGN BASIS ANALYSES (SMDR-1022-926)."

Table 3
Changes to DWG 3926 MPC-24 Fuel Basket Assembly

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1022-58	N/A	<p>[1] SHEET 2, C8: DELETE "BORAL". ADD "AND NOTE 4".</p> <p>[2] SHEET 2, B8: DELETE "BORAL". ADD "AND NOTE 5".</p> <p>[3] SHEET 2, NOTES: ADD NOTE 4 TO READ "METAMIC MAY BE USED AS AN ALTERNATIVE TO BORAL FOLLOWING FINAL NRC APPROVAL OF CoC 1014 AMENDMENT #2. METAMIC TO BE 0.075" (NOM) THK X 7 1/2" WIDE MIN X 155 7/8" MIN (156" NOM) LG. THE MINIMUM METAMIC B-10 LOADING IS 0.0223 g/cm² WITH A MINIMUM B4C LOADING OF 31.5% AND MAXIMUM OF 33%. METAMIC IS NOT REQUIRED TO BE PASSIVATED. SHEATHING 0.024" (NOM) THK".</p> <p>[4] SHEET 2, NOTES: ADD NOTE 5 TO READ "METAMIC MAY BE USED AS AN ALTERNATIVE TO BORAL FOLLOWING FINAL NRC APPROVAL OF CoC 1014 AMENDMENT #2. METAMIC TO BE 0.075" (NOM) THK X 6 1/4" WIDE MIN X 155 7/8" MIN (156" NOM) LG. THE MINIMUM METAMIC B-10 LOADING IS 0.0223 g/cm² WITH A MINIMUM B4C LOADING OF 31.5% AND MAXIMUM OF 33%. METAMIC IS NOT REQUIRED TO BE PASSIVATED. SHEATHING 0.024" (NOM) THK".</p> <p>[5] SHEET 3, C7: REPLACE "BORAL" WITH "NEUTRON ABSORBER".</p> <p>[6] SHEET 1, GENERAL NOTE 10: REPLACE "BORAL" WITH "NEUTRON ABSORBER".</p>
		— FSAR Rev. 4 —
1022-59	718	[1] SHEET 2, NOTE 4 & 5: CHANGE THICKNESS CALLOUT FROM

		0.075" TO 0.077". [2] SHEET 1, NOTE 10: DELETE THE WORD BORAL AND REPLACE WITH NEUTRON ABSORBER IN THE STATEMENT, "BORAL DAMAGE OF UP TO.....".
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Table 4
Changes to DWG 3927 MPC-32 Fuel Basket Assembly

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1023-33	735	<p>[1] Sheet 1: Add sheet 5 and change title on sheet 4 under package contents.</p> <p>[2] Sheet 2, cross sectional view of mpc-32: Replace v-channel angled supports with basket support plates.</p> <p>[3] Sheet 4: Label page "standard construction".</p> <p>[4] Sheet 4, detail d,e: Revise to show basket supports that consist of two parallel plates welded onto the mpc inner shell. Fillet welds connecting the plates to the mpc shell shall be full length and have 1/8" dimension. Shim and support block are positioned in between plates and welded in place. Fillet welds shall be full length, 5/32" dimension, and are located between inside edge of shim and outside edge of plates. Show that VT is required for fillet welds. Tack weld is located between inside edge of plates and block support to read " optional quantity, size, and weld location for support block to be determined by fabricator". Show item details for basket plate support (a), (b), (c) and shim. Basket support plate (c) dimensions are 1/4" thk x 3 5/8" nom x 168 1/2" nom. Basket support plate (b) dimensions are 1/4" thk x 4" nom x 168 1/2" nom. Basket support plate (a) dimensions are 1/4" thk x 5" nom x 168 1/2" nom. Shim dimensions are as reqd thk x 1" nom x 168 1/2" nom. Move v-channel angled supports to sheet 5 and label "optional construction." Change label of detail e to detail g and 5/32 weld location to be between c-channel and shim. Move angle support (b), angle support (a), and shim assembly to sheet 5.</p> <p>[5] Sheet 4: Change inner shell to basket support plate(a) shim dimension from 5.2" to 5.4". Change inner shell to basket support plate(c) shim from 3.6" to 3.9".</p>
1023-31	N/A	<p>[1] SHEET 2, C8: DELETE "BORAL". ADD "NOTE 3".</p> <p>[2] SHEET 2, NOTES: ADD NOTE 3 TO READ "METAMIC MAY BE USED AS AN ALTERNATIVE TO BORAL FOLLOWING FINAL NRC APPROVAL OF CoC 1014 AMENDMENT #2. METAMIC TO BE 0.101" (NOM) THK X 7 1/2" WIDE MIN X 155 7/8" MIN (156"</p>

		NOM) LG. THE MINIMUM METAMIC B10 LOADING IS 0.0310 g/cm ² , WITH A MINIMUM B4C LOADING OF 31.5% AND MAXIMUM OF 33%. METAMIC IS NOT REQUIRED TO BE PASSIVATED. SHEATHING 0.035" THK". [3] SHEET 3, D3: REPLACE "BORAL" WITH "NEUTRON ABSORBER" (2PLCS). [4] SHEET 1, GENERAL NOTE 10: REPLACE "BORAL" WITH "NEUTRON ABSORBER".
		— FSAR Rev. 4 —
1023-32	718	[1] Sheet 2, BOM, Item 7: change the material thickness to 0.106" [2] Sheet 4, Section F-F: change the Metamic thickness in the callout to 0.106 THK. NOM. (.102" MIN.) [3] SHEET 2, NOTE 3: CHANGE THICKNESS CALLOUT FROM 0.101" TO 0.106" [4] SHEET 1, NOTE 10: DELETE THE WORD BORAL AND REPLACE WITH NEUTRON ABSORBER IN THE STATEMENT, "BORAL DAMAGE OF UP TO.....".

Table 5
Changes to DWG 3928 MPC-68/68F/68FF Fuel Basket Assembly

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1021-61	717	[1] Sheet 2: add statement to read, "SEE NOTE 5" under the basket cell plate height dimension. [2] Sheet 2, Note 1: insert statement per the markup to read, "MPC-68 SERIAL #1021-090 INCLUDES A ONE-TIME DEVIATION TO ONE BORAL PANEL WIDTH. ACTUAL BORAL PANEL MINIMUM WIDTH WAS 4.728" ON ONE PANEL, WHICH HAS A NEGLIGIBLE EFFECT ON THE CRITICALITY ANALYSES (SMDR-1021-577)." [3] Sheet 2: add Note 5 to read, "MPC-68 SERIAL #1021-026 INCLUDES A ONE-TIME DEVIATION TO THE BASKET HEIGHT. ONE BASKET CELL PANEL IN CELL #68 HAS A HEIGHT OF 175 5/8", WHICH WILL HAVE A NEGLIGIBLE IMPACT ON THE DESIGN BASIS ANALYSES (SMDR-1021-674)." [4] Sheet 3: add statement (2 places) per the markup to read, "SEE NOTE 3". [5] Sheet 3: add Note 3 to read, "MPC-68F SERIAL #1021-005 INCLUDES A ONE-TIME DEVIATION TO THE 6.49 +/- .06 CELL OPENING AND 6.053 +/- .06 INSIDE CELL DIMENSION WITH BORAL ON THE WALL FOR CELL NUMBERS 68 AND 64. THE CELL OPENING IS OVERSIZED BY A MAXIMUM OF 5/32" ALONG APPROXIMATELY 3 FEET OF THE CELL HEIGHT. AN EVALUATION HAS DETERMINED THAT THIS CONDITION HAS

		A NEGLIGIBLE IMPACT ON THE DESIGN BASIS (SMDR-1021-73)."
1021-64	732	<p>[1] Sheet 2, plan view: Replace v-channel angled supports with parallel flat plate supports.</p> <p>[2] Sheet 4: Change "cross sectional view of mpc-68 basket support structure (new design)" to "cross sectional view of mpc-68 basket support structure (standard construction)".</p> <p>[3] Sheet 4, detail c: Revise to show plate basket support that consists of two parallel plates welded onto the mpc inner shell. Fillet welds shall be intermittent (1-8), 1/8 dimension, and are located between mpc inner shell and outside edge of plates. Shim assembly and block support are positioned in between plates and welded in place. Fillet welds shall be full length, 5/32 dimension, and are located between inside edge of shim assembly and outside edge of flat plates. Show that VT is required for the fillet welds. Tack weld is located between inside edge of plates and block support to read "optional quantity and weld location for support block to be determined by fabricator".</p> <p>[4] Sheet 4: Move angle basket support and detail c to right side of vertical dividing line. Change "detail c (typ of 8)" to "detail c (typ of 8) (optional design)".</p> <p>[5] Sheet 4: Change "cross sectional view of mpc-68 basket support structure (old design)" to "cross sectional view of mpc-68 basket support structure (optional construction)".</p> <p>[6] Sheet 4, note 4: Change "basket support-to-basket support dimensions are common to the new and old designs" to "basket support-to-basket support dimensions are common to the standard construction and optional construction".</p>
1021-62	N/A	<p>[1] SHEET 2, B8: DELETE "BORAL". ADD "AND NOTE 6".</p> <p>[2] SHEET 2, NOTES: ADD NOTE 6 TO READ "METAMIC MAY BE USED AS AN ALTERNATIVE TO BORAL FOLLOWING FINAL NRC APPROVAL OF CoC 1014 AMENDMENT #2. METAMIC TO BE 0.101" (NOM) THK X 4.75 WIDE MIN X 155 7/8" MIN (156" NOM) LG. FOR MPC-68 THE MINIMUM METAMIC B10 LOADING IS 0.0310 g/cm² WITH A MINIMUM B4C LOADING OF 31.5% AND MAXIMUM OF 33%. METAMIC IS NOT REQUIRED TO BE PASSIVATED".</p> <p>[3] SHEET 3, D2: REPLACE "BORAL" WITH "NEUTRON ABSORBER".</p> <p>[4] SHEET 3, C2: REPLACE "BORAL" WITH "NEUTRON ABSORBER".</p> <p>[5] SHEET 1, GENERAL NOTE 10: REPLACE "BORAL" WITH "NEUTRON ABSORBER".</p>
		— FSAR Rev. 4 —
1021-63	718	<p>[1] SHEET 1, NOTE 10: DELETE THE WORD BORAL AND REPLACE WITH NEUTRON ABSORBER IN THE STATEMENT, "BORAL DAMAGE OF UP TO.....".</p> <p>[2] SHEET 2, NOTE 6: CHANGE THE METAMIC THICKNESS</p>

	FROM 0.101" THK. TO 0.106" THK.
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Table 6
Changes to DWG 3768 125 TON HI-TRAC-125D ASSEMBLY

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1025-51	723	1. THE INNER SHELL WELDS (SHEET 8) AND THE OUTER SHELL WELDS (SHEET 6) ARE SHOWN AS FULL PENETRATION. THE WELDS ARE PROPOSED TO BE CHANGED TO PARTIAL PENETRATION WELDS WITH 1/4-INCH (MINIMUM) GROOVE ON ID AND OD. 2. ADD "VT & PT OR MT" TO WELD CALL OUT FOR THE INNER SHELL TO INNER SHELL WELDS ON SHEET 8.
1025-54	N/A	[1] SHEET 6: OUTER SHELL WELDMENT (SIDE VIEW): CHANGE THE EXISTING VT INSPECTION NOTE ON THE 1/2" FILLET WELD BETWEEN THE OUTER SHELL AND THE WATER JACKET BOTTOM PLATE TO A REVISED, "VT & PT OR MT". REMOVE THE TYP. FROM THE WELD DESCRIPTION. [2] SHEET 6: OUTER SHELL WELDMENT (SIDE VIEW): ADD THE FOLLOWING NOTE TO THE 1/2" FILLET WELD BETWEEN THE OUTER SHELL AND THE WATER JACKET BOTTOM PLATE, "BETWEEN WATER JACKET BOTTOM PLATE AND OUTER SHELL" OR EQUIVALENT ABBREVIATION. [3] SHEET 6: OUTER SHELL WELDMENT (SECTION J-J): ADD THE FOLLOWING NOTE TO THE 1/2" FILLET WELD BETWEEN THE OUTER SHELL AND THE WATER JACKET BOTTOM PLATE, "BETWEEN WATER JACKET BOTTOM PLATE AND OUTER SHELL" OR EQUIVALENT ABBREVIATION. CHANGE THE WELD SYMBOL TO WELD-ALL-AROUND AND REMOVE TYP. FROM THE DESCRIPTION.

Table 7
Changes to DWG 4116 HI-STORM 100S VERSION B

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
		— FSAR Rev. 3 —
1024-85	698	[1] SHEET. 12: IN THE ISOMETRIC ASSEMBLY VIEW, CHANGE WELD #50 AND #57 FROM A 3/16-FILLET WELD TO A 1/8" STITCH WELD 1"ON 3", AND WELD #51 FROM A 3/16-FILLET WELD TO A 1/8" STITCH WELD 1"ON 6". [2] SHEET. 12: IN THE ISOMETRIC ASSEMBLY VIEW, REMOVE THE WELD NUMBERS FROM THE DRAWING. WELD #45 AND #57

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
1024-88	N/A	[1] SHEET 2: Change 27" THK. CONCRETE SHIELD to 27.5" THK.. CONCRETE SHIELD [2] SHEET 8: DELETE DETAIL M IN ITS ENTIRETY.
1024-89	707	[1] SHEET 9: DELETE 9/32" DIAMETER HOLES IN HEX NUT HEAD. [2] SHEET 12, ISOMETRIC ASSEMBLY VIEW: REMOVE 1/8" STITCH WELDS FROM LOWER LEFT PORTIONS OF THE ISOMETRIC ASSEMBLY VIEW OF THE LID. [3] DELETE THE LID SCREEN MOUNT AND THE LID VENT SEAL FROM THE ENTIRE LICENSING DRAWING PACKAGE. [4] SHEET 10: ADD AN ALL AROUND STUD WELD 16 PLACES TO THE NEW SCREEN MOUNT STUD SHOWN IN THE EXPLODED ASSEMBLY VIEW. [5] SHEET 10: DELETE "SEE NOTE 5" FROM EXPLODED ASSEMBLY VIEW.
1024-90	708	[1] SHEET 13 - CHANGE THE DISTANCE FOR THE LOCATION OF TAB ON THE LOWER GAMMA SHIELD CROSS ASSEMBLY FROM 9-3/4" TO 10-1/2".
1024-91	709	[1] SHEET 2: UPDATE ASSEMBLY VIEWS TO DEPICT ADDITION OF SCREEN MOUNTING BLOCKS AND THE RECTANGULAR SHAPE OF THE INLET SCREEN. SHOW THE OUTLET SCREEN LOWER ENDS TO BE SLIGHTLY NOTCHED
— FSAR Rev. 4 —		
1024-103	N/A	[1] SHEET 6: SECTION F-F - ADD "TYP. REF" TO THE 45 DEGREE DIMENSION. [2] SHEET 6: SECTION F-F - ADD "TYP. REF" TO THE 22.5 DEGREE DIMENSION.
1024-95	736	[1] Sheet 2: Inserted the redesigned lid closure bolt assembly (Qty. 4), labeled "Optional". [2] Sheet 8: Added the optional closure lid bolt assembly. Indicated that the handle is C/S material and the stud is SA 193 B7 material. [3] Sheet 9: Added a view of the optional lid closure bolt assembly.

Table 8
Changes to DWG 1495 / BOM 1575 HI-STORM 100

ECO NUMBER	72.48 NUMBER	SUMMARY OF CHANGE
— FSAR Rev. 3 —		
1024-77	683	[1] Add Item 65, Heat Shield Ring C/S 3/8" Thk. x 1" Wide x 69" OD. ITS-B, and Item 66, Heat Shield 14 Gage C/S 68" OD ITS-B to BM-1575. [2] Add Views of Items 65 and 66 to Dwg 1495 Shts. 1 and 2.

CHANGES TO HI-STORM FSAR REV. 3 UNDER THE PROVISION OF 72.48

Section/Table	Page(s)	Section/Table	Page(s)	Section/Table	Page(s)
Table 1.03	1.0-28, -29	Section 3.4.5	3.4-63	Section 8.3.3	8.3-7
Section 1.2.1	1.2-1	Section 3.4.9.3	3.4-106	Section 9.1.1	9.1-3
Section 1.2.1.2.1	1.2-7	Table 3.4.9	3.4-132	Section 9.1.1.1	9.1-4
Section 1.2.1.3.1	1.2-15	Table 8.0.1	8.0-6	Section 9.2.5	9.2.2
Section 1.2.2.2	1.2-24	Section 8.1.1	8.1-2	Table 9.2.1	9.2.4
Table 2.2.6	2.2-25	Section 8.1.3	8.1-9	Table 10.3.1a	10.3-4
Section 3.4.3.1	3.4-4, -5	Section 8.1.5	8.1-12, -19, -20, -21	Table 10.3.1b	10.3-9
Section 3.4.3.2	3.4-5	Table 8.1.1	8.1-29	Table 10.3.1c	10.3-15
Section 3.4.4.3.1.2	3.4-33, -34	Table 8.1.5	8.1-33		
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