

ENGINEERING CHANGE NOTICE	1a. ECN No.: 11-000735
Page 1 of 4 <input checked="" type="checkbox"/> DM <input type="checkbox"/> FM <input type="checkbox"/> TM	1b. Project No.: N/A

2. Simple Modification <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Design Inputs – For full ECNs, record information on the ECN-1 Form (not required for Simple Modifications)	4. Date 4/12/2011
5. Originator's Name, Organization, MSIN, & Phone No. J. H. Szymeczek, In-House-Design-Engineering, R2-54, 509-373-4587	6. PrHA Number No. , R- <input checked="" type="checkbox"/> N/A	7. USQ Number No. - - - R- <input checked="" type="checkbox"/> N/A <i>Rafael Lopez</i> <i>RE 5/4/11</i> <small>USQ Evaluator Sign/Date</small>
9. Title 60 FT LLCE DOT 7A TYPE A CONTAINER - GASKET HOLDER	10. Bldg. / Facility No. N/A	11. Equipment / Component ID N/A
13. Engineering Documents/Drawings to be Changed (Incl. Sheet & Rev. Nos.) H-14-109323 REV 0 SHT 3		12. Approval Designator N/A
14. Safety Designation <input type="checkbox"/> SC <input type="checkbox"/> SS <input type="checkbox"/> GS <input checked="" type="checkbox"/> N/A		15. Expedited/Off-Shift ECN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
16a. Work Package Number N/A	16b. Modification Work Completed N/A	16c. Restored to Original Status (TM) N/A
<small>Responsible Engineer Sign / Date</small>		17. Fabrication Support ECN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<small>Responsible Engineer Sign / Date</small>		29. CAD File? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<small>Responsible Engineer Sign / Date</small>		

18. Description of the Change (Use ECN Continuation pages as needed)
PROBLEM: During fabrication of the 60-ft LLCE DOT 7A Type A Container, the fabricator encountered difficulties with bending 3/8" steel plate to form a gasket holder and welding the holder to the container frame.
SOLUTION: IHDE proposed a substitute gasket holder fabricated from HSS modified tube instead of bent plate.
ANALYSIS: Engineering evaluation was performed to determine the adequacy of substitute gasket holder. The substitute gasket holder was found to be structurally adequate to sustain imposed loads and its fabrication methodology is sufficiently similar to the existing design and will not impact the intent of the original design.
INSPECTION/TEST: The gasket holder was modified to aid in fabrication and does not impact the structural integrity or sealing capability of the container. Based on this minor change to a container component, the modification to the container design is of "sufficiently similar nature" (49CFR173.461[2]) to the certified container design, and therefore, no additional inspection, testing, certification or recertification is required.

19. Justification of the Change (Use ECN Continuation pages as needed)	Engineering Rework <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Training Impact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Technical Baseline Document <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	20. ECN Category <input type="checkbox"/> Direct Revision <input checked="" type="checkbox"/> Supplemental <input type="checkbox"/> Void/Cancel <small>ECN Type</small> <input type="checkbox"/> Supersedure <input type="checkbox"/> Revision
These changes are required to alleviate fabrication difficulties of the 60-ft LLCE DOT 7A Type A Container. <i>THIS CHANGE IS OUTSIDE OF THE PrHA PROCEDURE JAN 5-4-2011</i>		
19b. Existing Test Program Worksheet (TPW): <input type="checkbox"/> , Work is TP-3 <input type="checkbox"/> , Test Program providing new TPW <input type="checkbox"/>		

21. Distribution			
Name	MSIN	Name	MSIN
JH Szymeczek	R2-54		
MA Scott	R2-58		
RN Kyle	R2-54		
JH Huber	R2-58		
JA Vlakancic	R2-54		

MAY 04 2011

DATE: 4 HANFORD
 STA: 4 RELEASE ID: 17

ENGINEERING CHANGE NOTICE

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DM FM TM

1b. Proj. No.: N/A

22. Revisions Planned (Include a brief description of the contents of each revision)

N/A

Note: All revisions shall have the approvals of the affected organizations as identified in block 12 "Approval Designator," on page 1 of this ECN.

23. Commercial Grade Item Dedication Numbers (associated with this design change)

N/A

24. Engineering Data Transmittal Numbers (associated with this design change, e.g., new drawings, new documents)

EDT 824357

25. Other Non Engineering (not in HDCS) documents that need to be modified due to this change

Type of Document	Document Number	Update Completed On	Responsible Engineer (print/sign and date)
Alarm Response Procedure	N/A		
Operations Procedure	N/A		
Maintenance Procedure	N/A		
CHAMPS Equipment Database Change	N/A		
Software Change	N/A		
PM/S Activity Change	N/A		
Spare Parts Requirement	N/A		
Other			
Other			
Other			

26. Field Change Notice(s) Used?

Yes No

If Yes, Record Information on the ECN-2 Form, attach form(s), include a description of the interim resolution on ECN Page 1, block 18, and identify permanent changes.

NOTE: ECNs are required to record and approve all FCNs issued. If the FCNs have not changed the original design media then they are just incorporated into the design media via an ECN. If the FCN did change the original design media then the ECN will include the necessary engineering changes to the original design media.

27. Design Verification Required?

Yes No

If Yes, as a minimum attach the one page checklist from TFC-ENG-DESIGN-P-17.

28. Approvals

	Facility/Project Signatures (Print/Sign)	Date	A/E Signatures (Print/Sign)	Date
Resp. Engineer	JH Szymeczek	05/03/11	Originator/Design Agent	
Design Authority	MA Scott	05/03/11	Professional Engineer	
Resp. Manager	JH Huber	5/4/11	Project Engineer	
Quality Assurance	N/A		Quality Assurance	
IS&H Engineer	N/A		Safety	
NS&L Engineer	N/A		Designer	
Environ. Engineer	N/A		Environ. Engineer	
Engineering Checker	MA Scott	05/03/11	Other	
Other			Other	
Other			DEPARTMENT OF ENERGY / OFFICE OF RIVER PROTECTION	
Other			Signature or a Control Number that tracks the Approval Signature	
Other			ADDITIONAL SIGNATURES	
Other				
Other				

**ENGINEERING CHANGE NOTICE
CONTINUATION SHEET**

1a. ECN No.: 11-000735

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1b. Proj. No.: N/A

Document/Drawing No.

Sheet

Revision

USQ Checklist:

1. Does the change introduce any new failure modes to the equipment? [] Yes [X] No
If Yes, explain:
2. Does the change increase the probability of existing failure modes? [] Yes [X] No
If Yes, explain:
3. For Safety Significant equipment, does the change require a modification to Chapter 4 of the DSA and/or FRED? [] Yes [] No [X] N/A
If Yes, explain:

Note: An AutoCAD page may be used in place of this form (the header section items must be included on the AutoCAD page).

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CONTINUATION SHEET

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1a. ECN 11-000735

1b. Proj. W - R
ECN

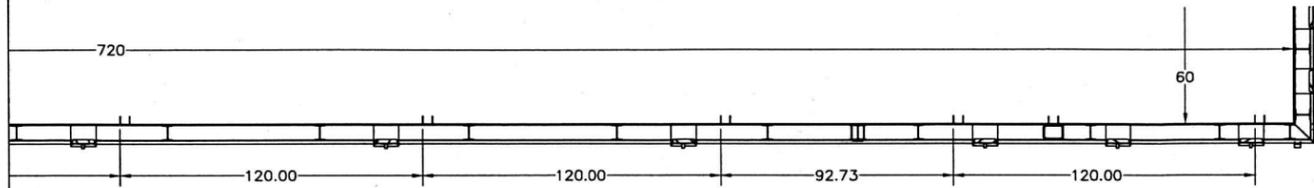
Document/Drawing No. H-14-109323

Sheet 3

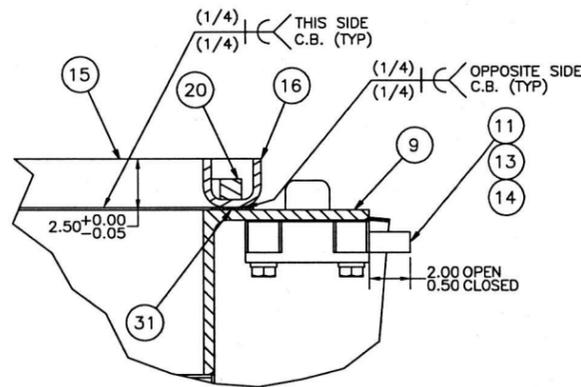
Revision 0

(A separate ECN Continuation page shall be used for each document/drawing to be modified.)

WAS



SECTION D-D



DETAIL D

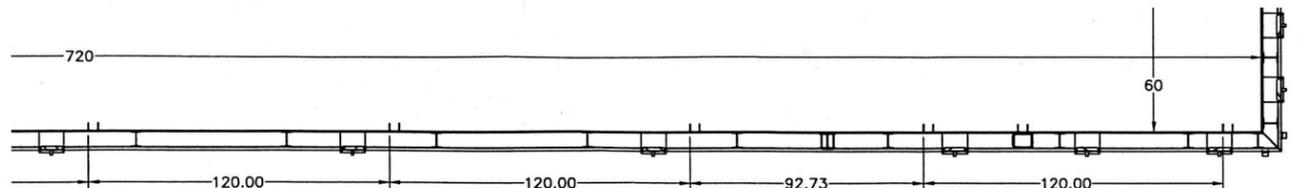
NOTE:
THIS DRAWING WAS PRODUCED FROM DURATEK DRAWING E-D-039 AND DOCUMENTS THE FABRICATION OF THE 60 FT TYPE A CONTAINER #WC74279. FOR THE FULL VENDOR FILE, SEE VIT00129/DTS-RPT-083, REV 2, AS PER, RPP-29212, REV 0.

NAME	DATE	COMPANY	U.S. DEPARTMENT OF ENERGY Office of River Protection
AW Kroner	1/14/11	WSP	
RN Kyle		WSP	
60 FT TYPE A CONTAINER BASE ASSEMBLY			A
SIZE	BLDG NO	INDEX NO	
F	241G	1001	H-14-109323 0
SCALE	NONE	REV	824357 SHEET 3 OF
XXXX PLOTTED XXXX			

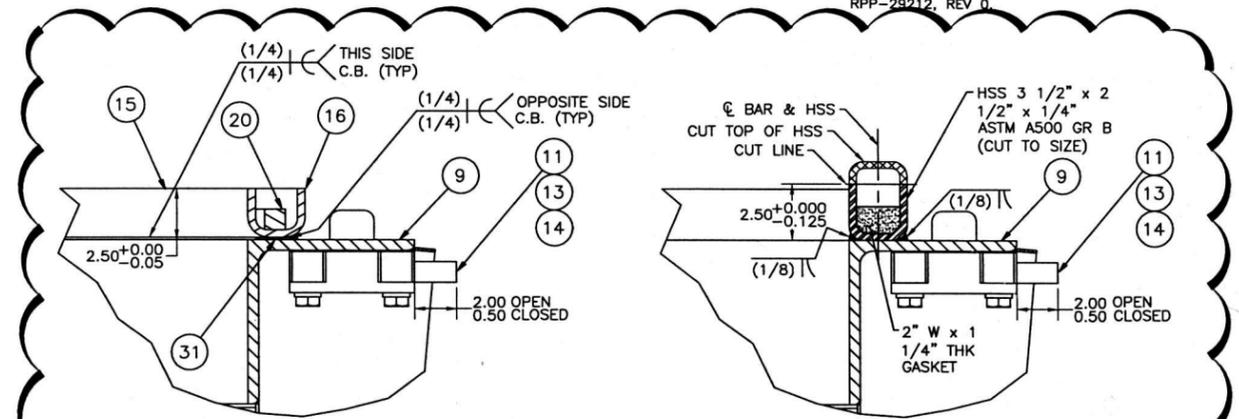
REF NUMBER	TITLE	DESCRIPTION	REV	DATE	ENGR	COMPANY
REFERENCES						
NEXT USED ON	H-14-109323, SH 1					
REVISIONS						
4			3			
			2			
			1			

MODIFY AS SHOWN IN CLOUDED AREA.

IS



SECTION D-D



DETAIL D - OPTION A

DETAIL D - OPTION B

NOTE: THE CONTRACTOR SHALL SELECT EITHER OPTION A OR OPTION B

NAME	DATE	COMPANY	U.S. DEPARTMENT OF ENERGY Office of River Protection
AW Kroner	1/14/11	WSP	
RN Kyle		WSP	
60 FT TYPE A CONTAINER BASE ASSEMBLY			A
SIZE	BLDG NO	INDEX NO	
F	241G	1001	H-14-109323 0
SCALE	NONE	REV	824357 SHEET 3 OF
XXXX PLOTTED XXXX			

REF NUMBER	TITLE	DESCRIPTION	REV	DATE	ENGR	COMPANY
REFERENCES						
NEXT USED ON	H-14-109323, SH 1					
REVISIONS						
4			3			
			2			
			1			