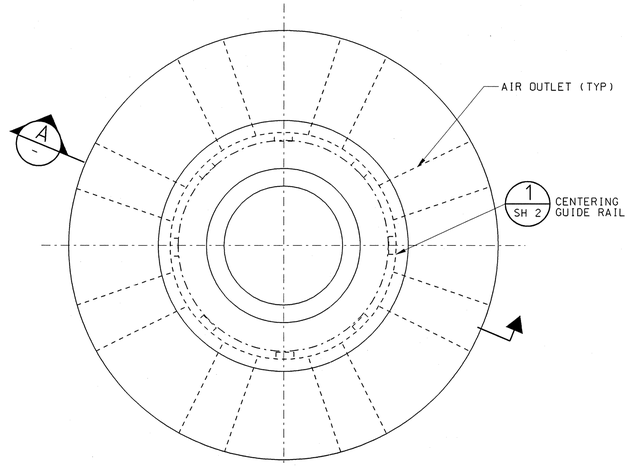
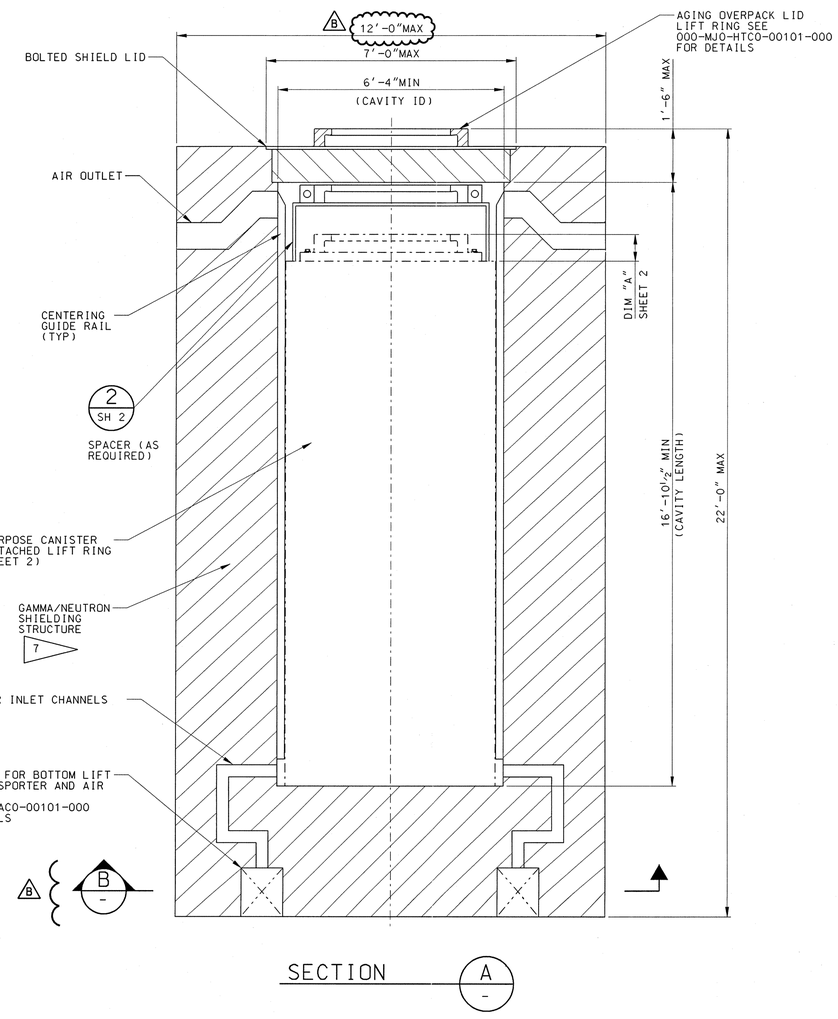
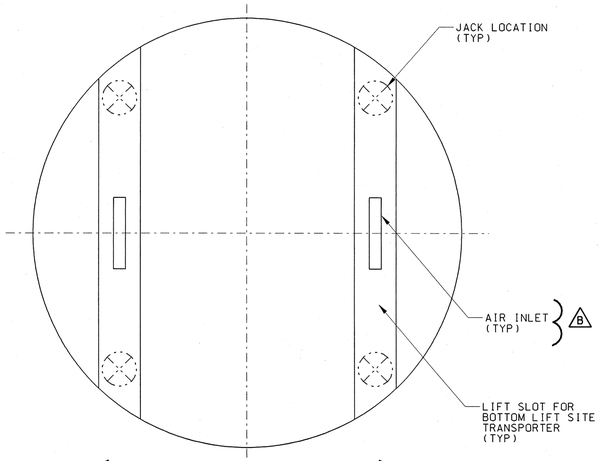


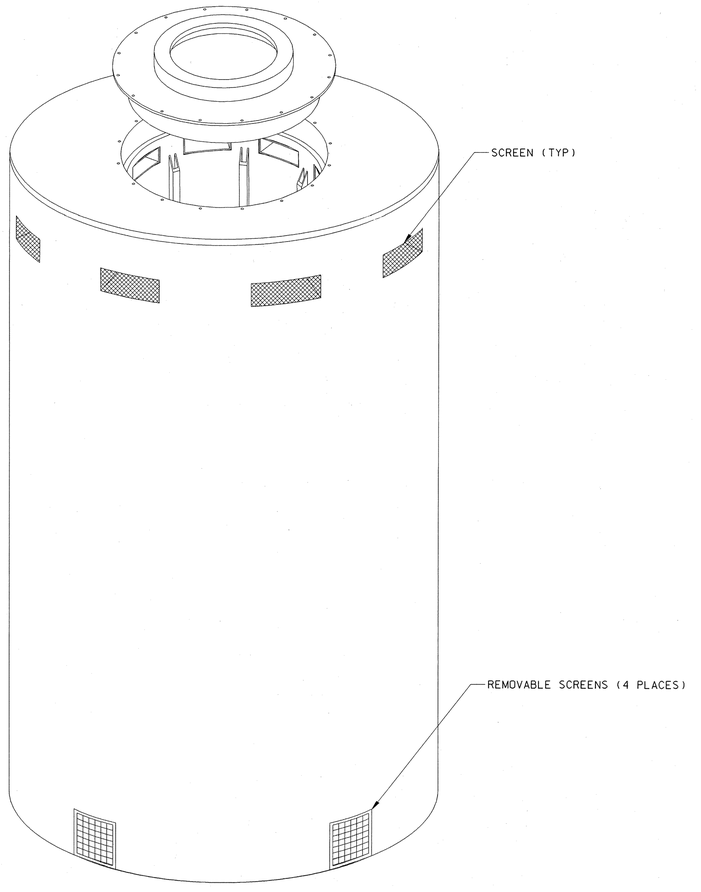
PLAN



SECTION A -



B SECTION B -



B ISOMETRIC

NOTES:

1. THIS DRAWING ILLUSTRATES ENVELOPE AND INTERFACE REQUIREMENTS. OTHERWISE, THE CONFIGURATION OF EQUIPMENT SHOWN ON THIS DRAWING, INCLUDING REFERENCE DIMENSIONS, IS CONCEPTUAL. FINAL EQUIPMENT DESIGN WILL BE DETERMINED BY THE EQUIPMENT DESIGNER IN ACCORDANCE WITH THE EQUIPMENT SPECIFICATION.
2. THIS OVERPACK SHALL BE DESIGNED TO BE MOVED BY A BOTTOM LIFT SITE TRANSPORTER, AIR PALLETS, AND BY AN OVERHEAD CRANE.
3. B EQUIPMENT FEATURES:
   EQUIPMENT TYPE = AGING OVERPACK
   LOCATION = GENERAL ON-SITE AND AGING PAD
   EMPTY WEIGHT = 205 TONS MAXIMUM
   FULLY LOADED WEIGHT = 250 TONS MAXIMUM
4. EQUIPMENT FUNCTION:
   AGING OF VERTICAL DPCs
5. THIS OVERPACK INCLUDES:
   A) A SET OF TOP SPACERS BETWEEN THE LID AND DPC TO LIMIT THE IMPACT TO THE LID BY THE DPC IN THE EVENT OF A TIP OVER OR SLAP DOWN OF THE OVERPACK.
   B) A SET OF REMOVABLE CENTERING GUIDE RAILS FOR VARIOUS DPC DIAMETERS.
6. SHIELDING REQUIREMENTS:
   CONTACT DOSE ON LOADED OVERPACK BODY, AIR INLETS/OUTLETS OR LID SHALL NOT EXCEED 40 MREM/HR.
7. ACTUAL THICKNESS OF SHIELDING AND ULTIMATE OVERPACK DIMENSIONS WILL BE DETERMINED BY SHIELDING AND ALARA ANALYSES.
8. B DELETED
9. THE AGING OVERPACK SHALL PROVIDE PROTECTION FOR THE DUAL-PURPOSE CANISTER (DPC) DURING SPECIFIED SEISMIC AND ENVIRONMENTAL CONDITIONS, INCLUDING TORNADO MISSILE IMPACT. TO ENSURE THAT THE INTEGRITY OF THE DPC IS MAINTAINED, A SPACER OR ALTERNATIVE FEATURE(S) SHALL BE PROVIDED AS REQUIRED TO PROTECT THE DPC AND PRESERVE THE AGING OVERPACK SHIELDING FUNCTION DURING A TIP OVER EVENT AND DURING SUBSEQUENT UPRIGHTING OF THE AGING OVERPACK.

ABBREVIATIONS AND ACRONYMS

DPC = DUAL PURPOSE CANISTER
SNF = SPENT NUCLEAR FUEL
SAR = SAFETY ANALYSIS REPORT

B REVISION NOTES:

THE FOLLOWING CHANGES ARE ASSOCIATED WITH REVISION B:
A) REMOVED DESIGN INPUT REFERENCE LIST
B) CHANGED O.D. FROM 11'-7"MAX TO 12'-0"MAX
C) REVISED NOTE 3. EMPTY WEIGHT WAS 155 TONS
D) REVISED NOTE 3. FULLY LOADED WEIGHT WAS 200 TONS MAX.
E) CHANGED EQUIPMENT NUMBER. WAS 170-HACO-ENCL-00001
F) REDRAW OF ISOMETRIC VIEW
G) CHANGED PLAN (LOWER) TO SECTION B
H) ADDED AIR INLET CHANNELS TO SECTIONS A AND B
J) DELETED FLAG NOTE 8
K) REMOVED UPPER FROM PLAN

DRAWING INDEX

170-MJO-HACO-00201-000	AGING FACILITY VERTICAL DPC AGING OVERPACK MECHANICAL EQUIPMENT ENVELOPE SHEET 1 OF 2
170-MJO-HACO-00202-000	AGING FACILITY VERTICAL DPC AGING OVERPACK MECHANICAL EQUIPMENT ENVELOPE SHEET 2

B EQUIPMENT NUMBER
170-HACO-ENCL-00002

REV	DESCRIPTION	DATE	ORG	CHK	EGS	PE	DEM	N/A	QE
B	ISSUED FOR LA - SEE REVISION NOTES	9/27/07	LS	LM	LG	DN	N/A	N/A	JO
A	ISSUED FOR LA	5/2/07	LS	LM	LG	DN	N/A	N/A	JO

REVISION HISTORY

APPROVALS	INITIAL/DATE
ORIGINATOR L SWANSON	LS 5/2/07
CHECKER L MUGHAL	LM 5/2/07
ENGINEERING GROUP SUPERVISOR L GREEN	LG 5/2/07
PROJECT ENGINEER D NEVERGOLD	DN 5/2/07
DISCIPLINE ENGINEERING MANAGER N/A	
N/A N/A	
QE CONCURRENCE J OSHIKANLU	JO 5/2/07

U.S. DEPARTMENT OF ENERGY
Office of Civilian Radioactive Waste Management
BECHTEL SAIC COMPANY, LLC Management and Operation of the Office of Civilian Radioactive Waste Management Program

AGING FACILITY VERTICAL DPC AGING OVERPACK MECHANICAL EQUIPMENT ENVELOPE SHEET 1 OF 2

SAFETY CLASSIFICATION: ITS
DOCUMENT IDENTIFIER: 170-MJO-HACO-00201-000
SIZE: D | SCALE: NONE | CAD FILENAME: 170mj0hac000201.dgn | REV: 00B
CAGE CODE:

THIS DRAWING IS PRELIMINARY AND NOT INTENDED FOR CONSTRUCTION, PROCUREMENT OR FABRICATION.

26-SEP-2007 15:08

BSC

Drawing Change Notice

Complete only applicable items.

1. QA: QA
2. Page 1 of 1

3. DCN No.:
170-MJ0-HAC0-00201-000-00B-DCN001

4. Drawing No.:
170-MJ0-HAC0-00201-000

5. Rev. No.:
00B

6. Title of Drawing:
AGING FACILITY VERTICAL DPC AGING OVERPACK MECHANICAL EQUIPMENT ENVELOPE SHEET 1 OF 2

7. Reason for Change:
Added height requirement to meet drop height requirement per PCSA analysis.

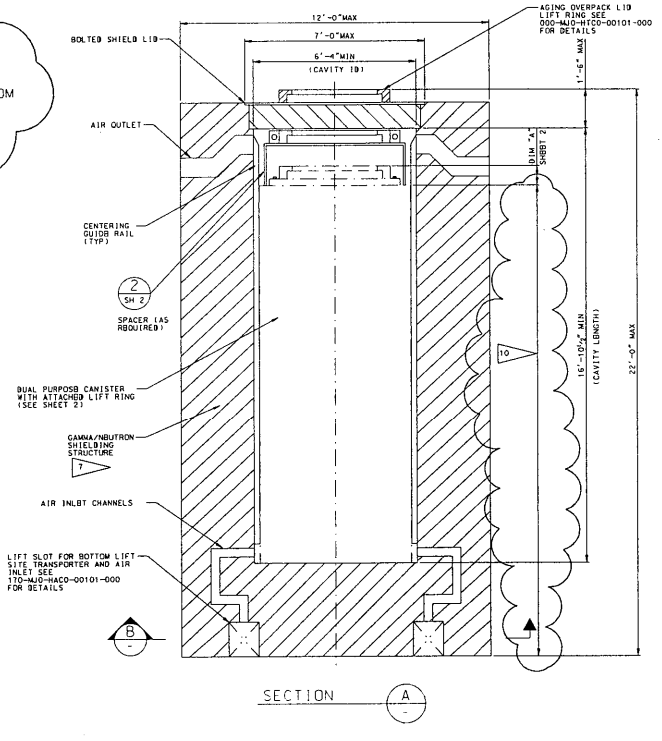
8. Trend Code: 14
Trend No.: See 11.1

9. Does this DCN supersede another DCN? ☐ Yes ☒ No
DCN No.:

10. Other Documents Affected by This Change:
None

11. Description of Change:
11.1 Trend code 14 – PCSA request. This DCN does not require a trend. This change does not affect project scope or schedule.
11.2 Add dimension to Section A and added note 10 as shown below:

10 THE MINIMUM TOP OF CANISTER HEIGHT FOR THE YANKEE-MPC AND THE CY-MPC-24/26 WITHIN THE OVERPACK SHALL BE 16'-3" ABOVE THE BOTTOM OF THE OVERPACK (NOT INCLUDING THE LIFT FEATURE). THE USE OF A PEDESTAL BELOW THE CANISTER MAY BE REQUIRED TO ACHIEVE THIS REQUIREMENT.



12. ORIGINATOR: (Name/Signature) Scott Drummond	Scott Drummond	DATE: 03/03/2008
13. CHECKER: (Name/Signature) Leonard Swanson	Leonard Swanson	DATE: 03/03/08
14. EGS: (Name/Signature) Lisa Green	Neil Sorensen for Lisa Green	DATE: 03/03/08
15. OTHER: (Name/Signature) N/A		DATE: N/A
16. QUALITY ENGINEERING CONCURRENCE: (Name/Signature) (Required for ITS and ITWI SSCs only) Paul Buenviaje	Legardo C.	DATE: 03/04/08
17. PE/DEM: (Name/Signature) Debra Nevergold	Debra Nevergold	DATE: 3/4/08