8/11/11

**INSPECTION CHECKLIST** 

ENTERGY	ENGINEERING STANDARD	EN-EP-S-002-MULTI	REV. 0
	Buried Piping and Tanks General Visual Inspection	PAGE 12 OF 12	

Sheet 2 of 2					
Piping / Tank	IP3 6-inch Fire Protection Line (N/S) at N/W corner of the WHUT Pit		INSPECTION DATE:	8/1	
ELEVATION: <u>EI. 48'-0"</u>	LOCATION DWG:	9321-F-41823	INSPECTOR:	J. Peterson	
1. ANY BLISTERING (COATING)?		YES	NO 🛛	NOTE	

1.	ANY BLISTERING (COATING)?		по 🛛	
		YES		
2.	ANY PEELING (COATING)?		NO 🛛	
		YES	1	
3.	ANY FLAKING (COATING)?		NO 🛛 🛛	
		YES		
4.	ANY DELAMINATION (COATING)?		NO 🛛	
		YES	2	
5.	ANY EMBRITTLEMENT (COATING)?		NO 🛛	
		YES	-	
6.	ANY EMBEDDED ROCKS (COATING AND/OR METAL)?		NO 🛛 .	coating inspection only
	х, , , , , , , , , , , , , , , , , , ,	YES		
7.	ANY CRACKING (COATING AND/OR METAL)?		NO 🕅	
		YES	8	34 ×
8.	ANY RUST (METAL)?		NO 🕅	
0.		YES		
٩		Π		
υ.				
10		Ë		N/A - carbon steel piping was
10.	ANT FLARING OR SCALING (METAL)?			externally coated.
11.	ANY MECHANICAL DAMAGE (METAL)?			N/A - as above
		YES	5-7	
12.	ANY NICKS, GOUGES OR ARC STRIKES (METAL)?			N/A - as above
		YES		
13.	ANY TUBERCLES (METAL – IF INTERNAL INSPECTION)?		NO 🗌 💡	N/A

## GENERAL APPEARANCE (Inspector):

**ATTACHMENT 7.1** 

This inspection was an opportunistic inspection conducted during excavation of the excavation of the area between the IP3 RWST and Waste Holdup Tank Pit (see attached sketch) for the Dry Cask Travel Path mod. All exposed 6-inch piping was externally coated and wrapped carbon steel. The coating and wrap was in very good condition, with no evidence of flaking, embrittlement, separation from metal, bubbling, blistering, delamination, etc. In total the entire length of exposed 6-in. fire protection piping was approx. 20 feet. This included the 6-inch fire protection header, from which the 6-in. branch to the PAB teed off. Of the exposed length of piping, approx. 8 feet was inspected in detail, as the header, at lower elevation was covered over, prior to the visual inspection. The inspected length of piping, however, was deemed to be typical of the entire length of the excavated piping. Photographs of the excavated piping is attached to this report.

	ENTERGY	ENGINEERING STA	NDARD	EN-EP-S-002-MULTI	<b>REV. 0</b>
		Buried Piping and Tanks Inspection	General Visual	PAGE 12 O	F 12
	ATTACHMENT 7.1			INSPECTION CHECKL	IST
	Sheet 2 of 2				
	DEC	RADATION FOUND?	YES 🗌 NO	🛛 <u>CR-</u>	
	FUR	THER EVALUATION REQUIRED?	YES 🗌 NO	$\boxtimes$	
2.	DMMENTS (Inspector): The attached photos of the inch FP supply header, fro lower elevation was cover Buried portions of the 8-in report was written to docu	excavated 6-inch fire protection piping were m which the 6-in. branch to the PAB tees off ed up. ch fire protection line in the area was also un ment those inspections.	taken during the chang of. Additional photos, covered and inspected	ging field conditions. First picture however, were taken after the hea during this excavation activity. A	s taken include a Ider piping at the separate inspecti
	INSPECTOR(S) PRINT/S	SIGN/DATE: J. Peterson		Helenson	<u> </u>
	EVALUATION: ACC		ITH DEFICIENCIES		
	RECOMMENDED ACTIC Program database, and o schedules.	DN (Program Owner): The results of this used to establish Reasonable Assurance	inspection will be ca of Integrity, and/or u	aptured in the Underground Pip pdate future piping inspection p	ing and Tank priorities and
	The results of this inspection did not identify any problematic areas in the piping that would warrant future monitoring.				
	PREVENTIVE MAINTEN				
	None recommended.			50	

## ATTACHMENT 7.1 INSPECTION CHECKLIST Sheet 2 of 2

PHOTOGRAPHIC OR VIDEO RECORDS ATTACHED?

YES 🔀 NO 🗌

PROGRAM OWNER PRINT/SIGN/DATE:

Redu R.C. Lee

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+ MID to NORTH END OF EXCONTION; 8" FP LINE, 6" FP LINE TO PAB, BRANCHING OFF 6" FP HDR.



6" BRANCH TO PAB (TO RIGHT) OFF 6" FP HEADER.



AREA BACKFILLED TO COVER 6" TEE CONNECTION (LOOKING NORTH)



S" FP LINE (TOP) 6' PP BRANCH (BOTTOM)





MINOR RUGT DISCOLORATION ON 8" FP LINE; NO TEAR OR DISCONTINUITY IN TAPE WRAP NOTED.