


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	Entergy Nuclear Operations, Inc. (Indian Point Nuclear Generating Units 2 and 3)
	ASLBP #: 07-858-03-LR-BD01
	Docket #: 05000247   05000286
	Exhibit #: ENT000430-00-BD01
	Admitted: 10/15/2012
	Rejected: Other:
	Identified: 10/15/2012 Withdrawn: Stricken:

ENT000430  
Submitted: March 30, 2012

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

ATTACHMENT 7.1	INSPECTION CHECKLIST
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Sheet 2 of 2

Piping / Tank	IP3 AFW/Cond Return to CST (8-inch Line 1080) (Ref. WO # 279578-03)	INSPECTION DATE:	12/9/2011
ELEVATION:	pipe centerline @ EL. 11'-6"; grade @ El. 18' (approx.)	LOCATION DWG:	9321-F-23593
		INSPECTOR:	J. Peterson

	YES	NO	NOTE
1. ANY BLISTERING (COATING)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. ANY PEELING (COATING)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. ANY FLAKING (COATING)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. ANY DELAMINATION (COATING)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. ANY EMBRITTLEMENT (COATING)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6. ANY EMBEDDED ROCKS (COATING AND/OR METAL)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. ANY CRACKING (COATING AND/OR METAL)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. ANY RUST (METAL)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a
9. ANY CORROSION (METAL)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a
10. ANY FLAKING OR SCALING (METAL)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a
11. ANY MECHANICAL DAMAGE (METAL)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a
12. ANY NICKS, GOUGES OR ARC STRIKES (METAL)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a
13. ANY TUBERCLES (METAL - IF INTERNAL INSPECTION)?	<input type="checkbox"/>	<input type="checkbox"/>	n/a

GENERAL APPEARANCE (Inspector): An approx. 16 ft. length of 8-inch Line 1080 was excavated, of which approx. 12 ft was exposed for its full circumference. The coating appearance was uniform in color, with no indications of degradation (blistering, peeling, flaking, cracking or separation of coating from the metal surface). The coating outerwrap appeared to be evenly applied, with the edges of overlapping layers wrap sealed with the coal tar enamel. Further, there was no discoloration or evidence of corrosion product under or at the edges of the wrap, and the coating surface was solid to the touch. Photos are attached.

DEGRADATION FOUND?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	CR- _____
FURTHER EVALUATION REQUIRED?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	

COMMENTS (Inspector): This inspection is a visual inspection of the As-Found condition of the pipe coating. The portion of Line 1080 inspected under this task is shown on the attached dwg. 9321-F-23593 excerpt (attached). The results of this inspection will be evaluated together with the results of direct UT and guided wave ultrasonic inspections, which will be performed under separate tasks.

INSPECTOR(S) PRINT/SIGN/DATE: J. Peterson

*J. Peterson* 12/12/2011

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

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Sheet 2 of 2

EVALUATION: ACCEPTABLE ☒ ACCEPTABLE WITH DEFICIENCIES ☐ UNACCEPTABLE ☐

RECOMMENDED ACTION (Program Owner): This visual inspection of the As-Found condition of the pipe coating is one element of a focused inspection of Line 1080, and will be captured in the UPT Program database. The results of this inspection will be evaluated along with the results of UT and Guided Wave inspections under separate tasks (WO #s 279578-14 & 17, respectively), and soil analysis results to assess the condition of the Line 1080 iaw the IPEC Underground Piping & Tank Program.

FUTURE MONITORING: ☐

None required.

PREVENTIVE MAINTENANCE: ☐

None required.

CORRECTIVE ACTIONS: ☐

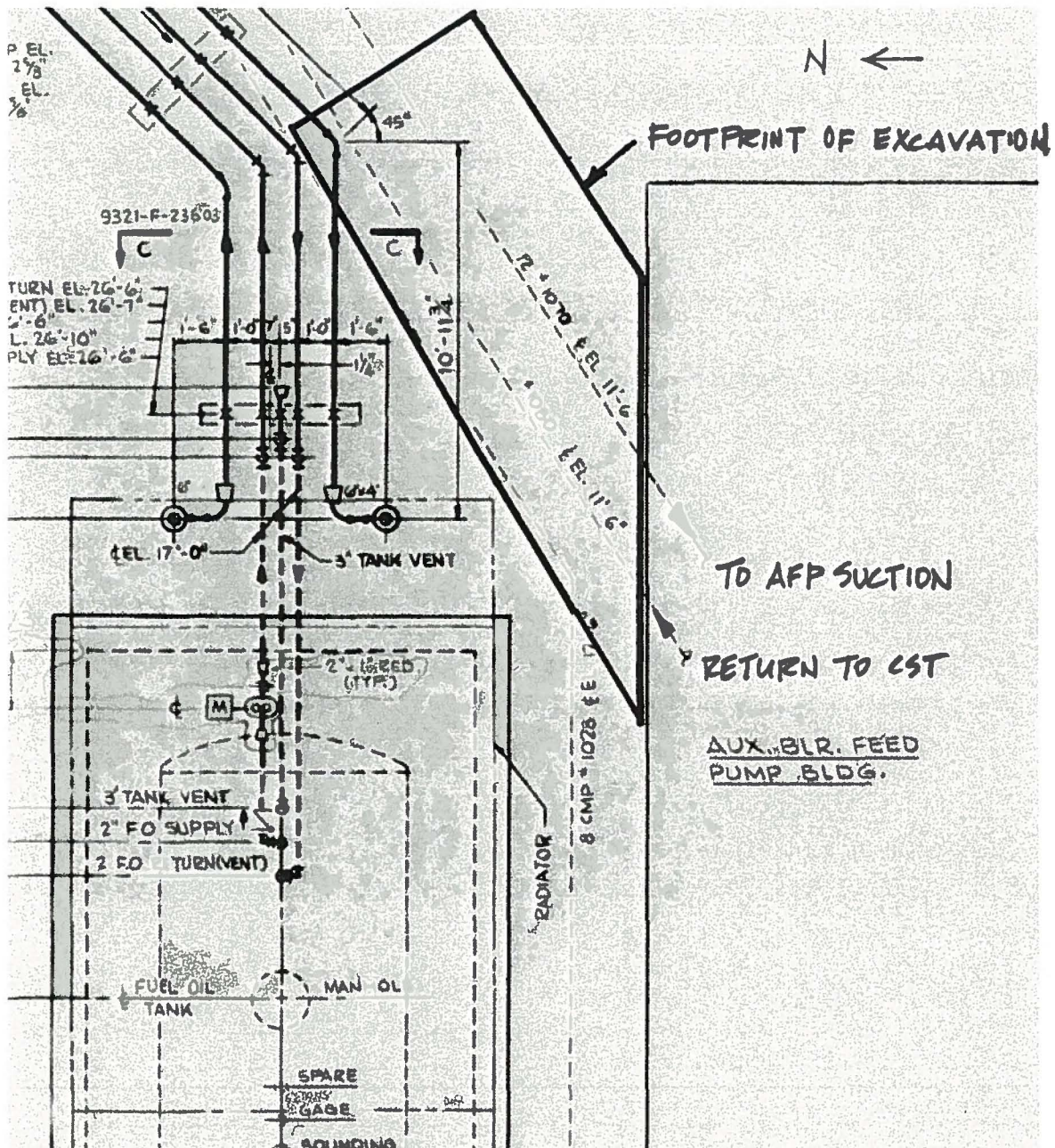
None required.

PHOTOGRAPHIC OR VIDEO RECORDS ATTACHED?

YES ☒ NO ☐

PROGRAM OWNER PRINT/SIGN/DATE:

Robert C. Lee





TOP TO BOTTOM:

12" LINE 1070, CST SUPPLY TO APW PUMPS  
8" LINE 1080, APW/COND RETURN TO CST  
8" LINE 1028, CORRUGATED METAL PIPE  
CST OVERFLOW TO KHH-9



12" LINE IN - LOOKING D/S

TO AFW PUMPS



12" 1 INE 1070

↑ to east



17" LINE IN 50



15" LINE IN 20" AFTER OVERNITE RAIN 6" LINE 1050