

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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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 EMBRITTELEMENT (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

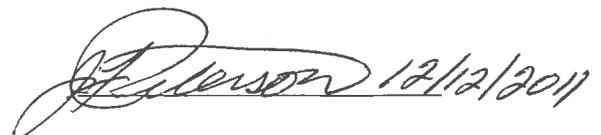
GENERAL APPEARANCE (Inspector): An approx. 16 ft. length of 8-inch Line 1080 was excavated, of which approx. 12 ft was exposed for its full circumference. The coating appearance was uniform in color, with no indications of degradation (blistering, peeling, flaking, cracking or separation of coating from 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  NO  CR- \_\_\_\_\_

FURTHER EVALUATION REQUIRED? YES  NO

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



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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 law the IPEC Underground Piping & Tank Program.

FUTURE MONITORING:

None required.

PREVENTIVE MAINTENANCE:

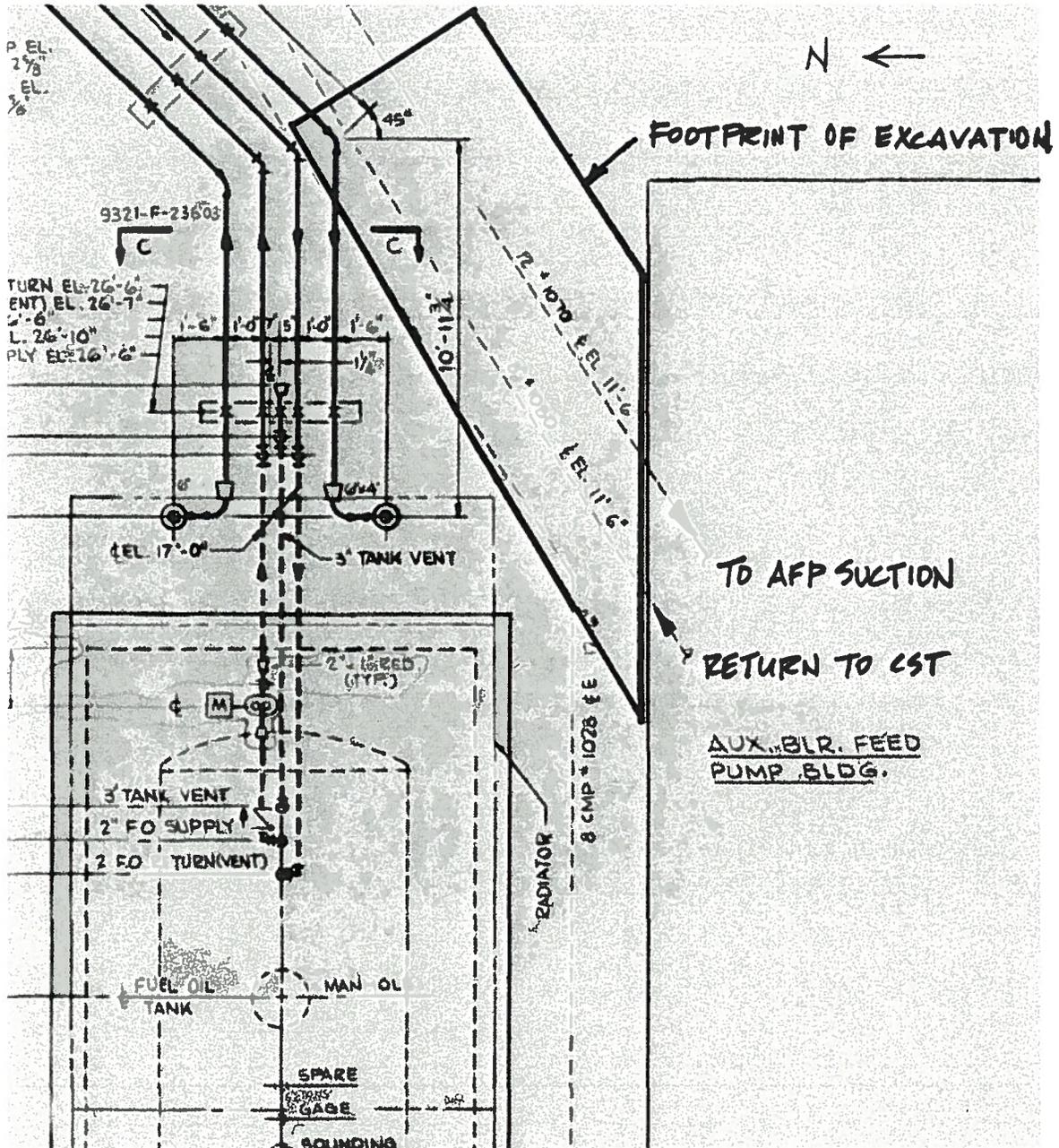
None required.

CORRECTIVE ACTIONS:

None required.

PHOTOGRAPHIC OR VIDEO RECORDS ATTACHED? YES  NO

PROGRAM OWNER PRINT/SIGN/DATE: Robert C. Lee



Ref. Drawing 9321-F-23593  
 IP3 Yard / NE corner of AFP Bldg  
 WO # 279578 - Excavation/Inspection of Cond/AFW Lines 1070 & 1080



**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 MH-9



17" LINE TO - LOOKING D/S

↑ TO AFW PUMPS



12" LINE 1070

↑ TO EST



17" LINE 1070



15" LINE 1070 AFTER OVERNITE RAIN 6" LINE 1050