

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

Sheet 2 of 2

Piping / Tank IP3 CST Supply to AFW Pumps (12-inch Line 1070) (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

NOTE

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


GENERAL APPEARANCE (Inspector): An approx. 14 ft length of 12-inch dia. Line 1070 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 of the 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 1070 inspected under this task is shown on the attached dwg. 9321-F-23593 excerpt (attached). The results of this inspection will be evaluated with the results of direct UT and guided wave inspections, to be performed under separate tasks.

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

 12/12/11

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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 1070. The results of this inspection will be evaluated along with the results of UT and Guided Wave inspections under separate tasks (WO #s 279578-13 & 16, respectively) and soil analysis results to assess the condition of the Line 1080 law the IPEC Underground Piping & Tank Program. Results will be captured in the UPT program database.

FUTURE MONITORING: ☐

None required.

PREVENTIVE MAINTENANCE: ☐

None required.

CORRECTIVE ACTIONS: ☐

None required.

PHOTOGRAPHIC OR VIDEO RECORDS ATTACHED?

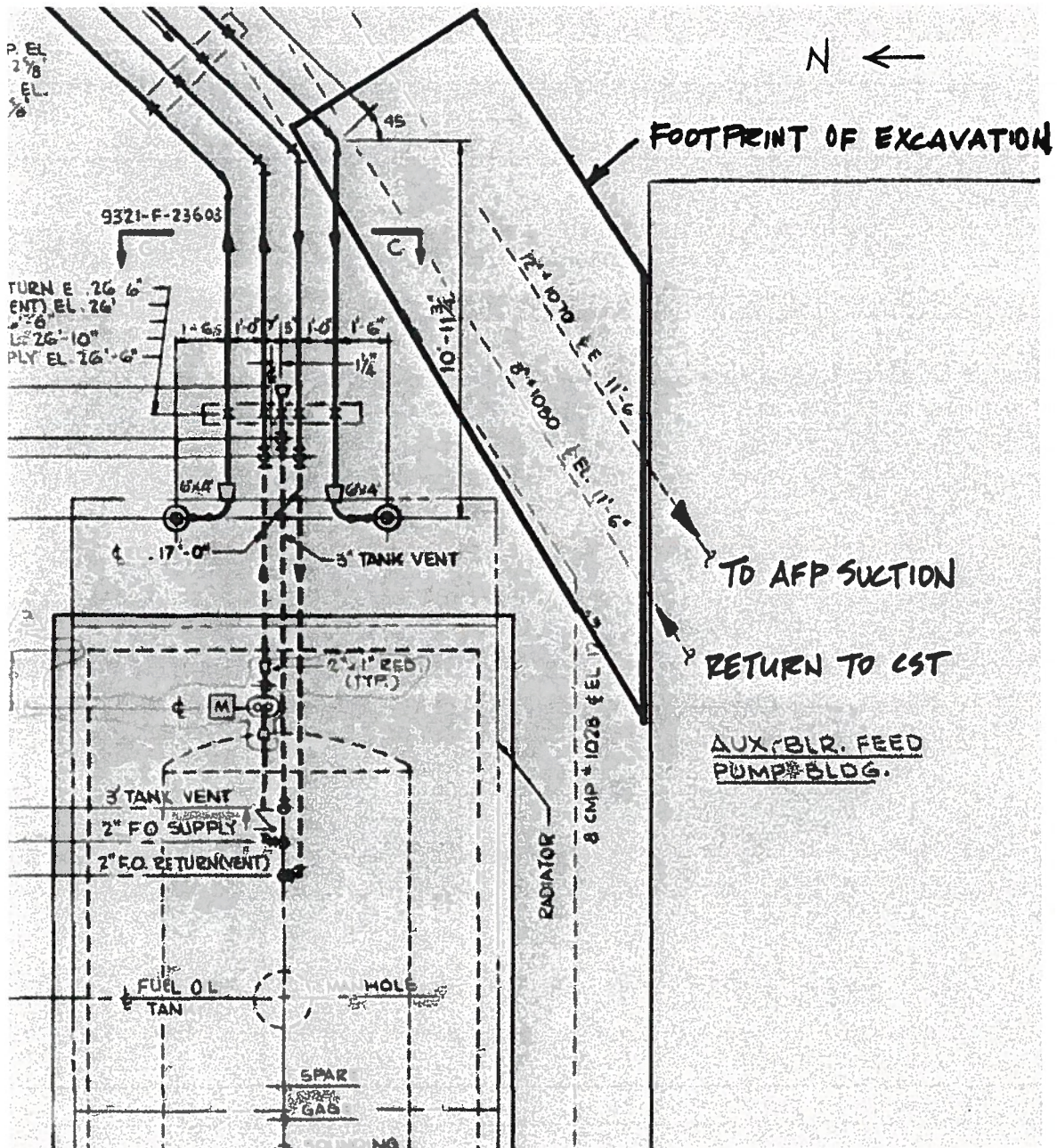
YES ☒ NO ☐

PROGRAM OWNER PRINT/SIGN/DATE:

Robert C. Lee

*Robert C. Lee*

12/12/11



Ref. Drawing 9321-F-23593

IP3 Yard / NE corner of AFP Bldg

WO # 279578 - Excavation/Inspection of Cond/AFW Lines 1070 & 1080





PHOTOS WERE TAKEN AFTER  
A PREVIOUS NITE'S RAIN

TOP TO BOTTOM: 12" LINE 1A70 0" LINE 1A70 8" LINE 1A70 (ALE)





8" LINE 1080 (1/2")

8" LINE 1080 (LOOKING DIR)



