

ENTERGY	ENGINEERING STANDARD	EN-EP-S-002-MULTI	REV. 1
	Underground Piping and Tanks General Visual Inspection	PAGE 14 OF 15	

ATTACHMENT 7.2 PIPE/TANK COATING VISUAL INSPECTION CHECKLIST

Sheet 1 of 2

NOTE: A photographic record of each indication should be retained with the inspection report.

Line/Tank ID & Name: 6-in Fire Protection Line Work Order: 279577-02
 System: Fire Protection Inspection Date: 5/14/2013
 Location: IP3 NW WHUT PIT Inspector: J.Peterson/S.Guarnaccia
 Coating Material: Koppers Bitumastic with tape wrap Thickness: Original-As found

[] Not Coated

Backfill Makeup:

Contains Rocks? Yes [] No [X] Description: N/A

Contains Other Foreign Objects? Yes [] No [X] Description: N/A

Note

- 1. Any Mechanical Damage? Yes [] No [X] _____
- 2. Any Holiday/Hole? Yes [] No [X] _____
- 3. Any Blistering? Yes [] No [X] _____
- 4. Any Peeling? Yes [X] No [] Exterior tape wrap
- 5. Any Flaking? Yes [] No [X] _____
- 6. Any Delamination? Yes [] No [X] _____
- 7. Any Embrittlement? Yes [] No [X] _____
- 8. Any Embedded Rocks (Coating and/or Base)? Yes [] No [X] _____
- 9. Any Cracking? Yes [] No [X] _____
- 10. Any Gouges? Yes [] No [] _____
- 11. Any Rusting? Yes [] No [X] _____
- 12. Other? Yes [] No [X] _____

Any Yes answer requires a CR to be initiated

General Appearance: A portion of the 6-inch Fire Protection line was excavated and visually inspected. The total length of the Fire Protection line inspected was at least 12 ft. The inspected length of piping had no signs of visible coating degradation. There were some minor imperfections in the exterior tape wrap of the pipe. It was noted that where the exterior tape was removed and the coating was exposed the general appearance of the coating was observed to be intact, with no voids in the coating, or blistering, peeling, flaking, separation, etc.

Degradation Found? Yes [X] No []

Further Evaluation Required? Yes [] No [X]

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ATTACHMENT 7.2

PIPE/TANK COATING VISUAL INSPECTION CHECKLIST

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Comments: Coated piping was wrapped with exterior tape (protective tape). Minor imperfections observed in the exterior tape wrap that did not penetrate down to the coating surface. Damaged could have occurred during excavation. Recommend wrap repair (protective tape). Photos and sketch attached, Ref: Drawing 9321-F-41823.

CR Required? Yes No CR No. CR-IP3-2013-03040

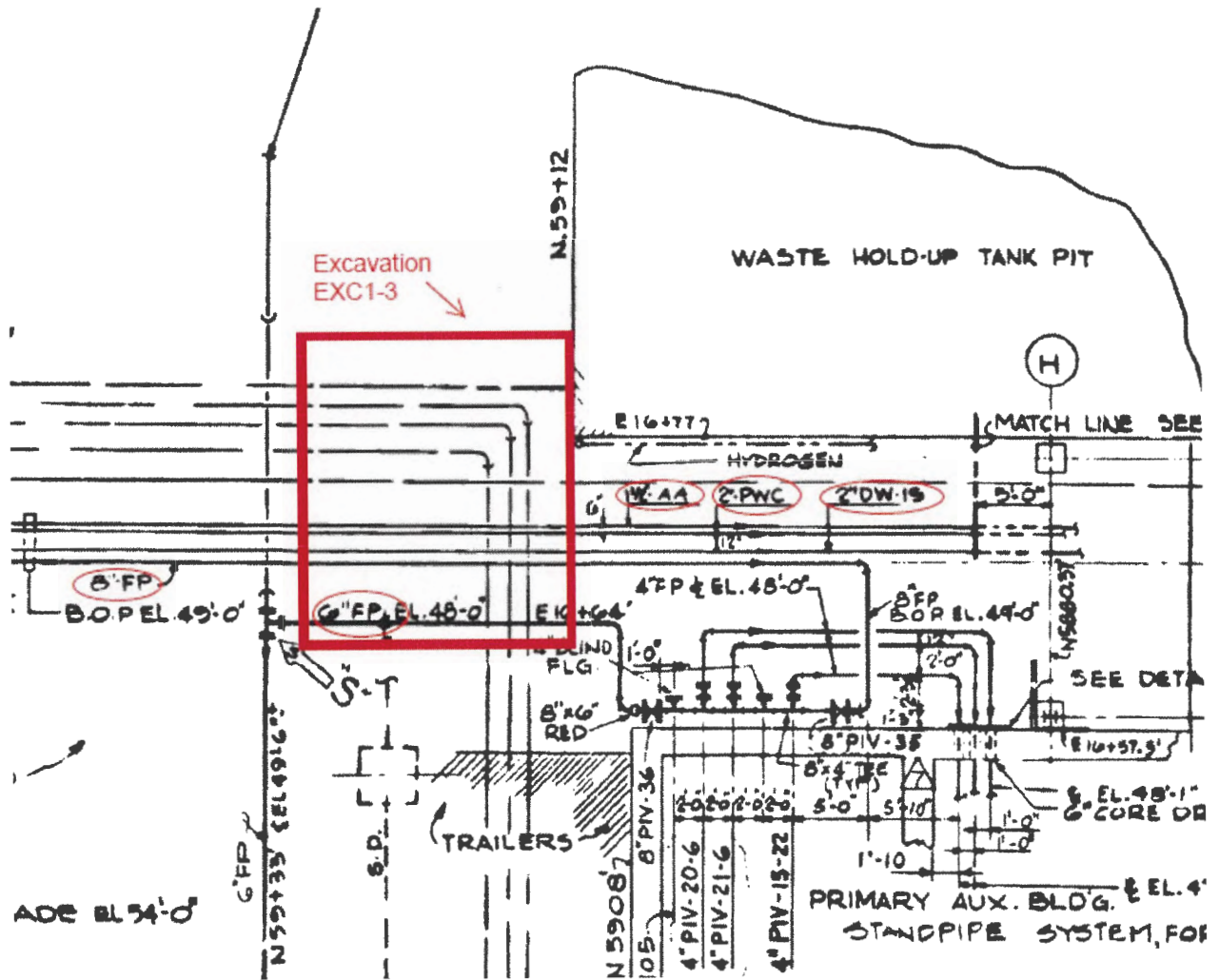
Performed By: Joseph F. Peterson  Date: 06/07/2013
Stephen Guarnaccia  Date: 06/07/2013

Program Owner or Qualified Designee: Lina Cossio-Gonzalez  Date: 06/07/2013

EXC1-3/IP3 @ NW Corner of the WHUT Pit

Piping Uncovered for inspection:

- 1.5-inch Admin Air Line
- 2-inch Potable Water (cold) Line
- 2-inch Demineralized Water Line
- 8-inch Fire Protection Line
- 6-inch Fire Protection Line



Reference: drawing 9321-F-41823



IP3 Aerial view



6-inch Fire Protection Line

8-inch Fire Protection Line

2-inch Demineralized Water Line

2-inch Potable Water (cold) Line

1.5-inch Admin Air Line





Originator: Cossio-Gonzalez,Lina**Originator Phone:** 2547148**Originator Site Group:** IP3 P&C Eng Codes Staff IP3**Operability Required:** Y**Supervisor Name:** Azevedo,Nelson F**Reportability Required:** Y**Discovered Date:** 06/05/2013 12:47**Initiated Date:** 06/05/2013 12:55

Condition Description:

Visual Inspections of the 2-inch Potable Water (cold), 2-inch Demineralized Water, 8-inch Fire Protection, 6-inch Fire Protection and 16-inch outer pipe containing 6-in SRM Line 561 and 2-in COND Line 678 piping exposed by the IP3, NW Corner of the WHUT Pit excavation revealed several exterior tape wrap anomalies. There is no operability concern associated with any of these anomalies since both the coating under the tape and the pipe were not affected by these tape anomalies.

Immediate Action Description:

Discussed with Engineering Management.

Suggested Action Description:

Recommend that these anomalies be evaluated and repaired as required prior to backfill of the excavation.