


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 #: NYS000479-00-BD01
	Admitted: 6/12/2013
	Rejected:
Other:	Identified: 6/12/2013 Withdrawn: Stricken:

NYS000479
Submitted: June 10, 2013

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: 8-in. City Water Line 1502 Work Order: 315720
 System: City Water Inspection Date: 10/10/2012
 Location: IP2 Transformer Yard Inspector: S. Guarnaccia
 Coating Material: coal tar enamel/saturated asbestos felt wrap Thickness: 1aw AWWA C203

Not Coated

Backfill Makeup:

Contains Rocks? Yes No Description: Oil Containment MOAT Area. Rocks were in contact with the wrap but no damage was observed. The rocks were small (i.e. < 2.0" in diameter). There were no large rocks in contact with the pipe.

Contains Other Foreign Objects? Yes No Description: _____

- | | Note |
|--|---|
| 1. Any Mechanical Damage? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 2. Any Holiday/Hole? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 3. Any Blistering? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 4. Any Peeling? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 5. Any Flaking? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 6. Any Delamination? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 7. Any Embrittlement? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 8. Any Embedded Rocks (Coating and/or Base)? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 9. Any Cracking? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 10. Any Gouges? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 11. Any Rusting? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| 12. Other? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

Any Yes answer requires a CR to be initiated

General Appearance: A portion of the 8-inch City Water line (# 1502) return to EDGs was excavated and visually inspected. The portion inspected was at least 10 ft. of the straight section of the pipe. The entire inspected length of piping had no signs of coating degradation. The coating was observed to be intact, with no voids in the coating, or blistering, peeling, flaking, separation, etc. Further, the coating was solid to the touch (no soft spots, air pockets). However there were orange stains observed on several locations on the exterior. Note that a 4' section of this pipe was previously inspected in August 2012, some coating was

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Sheet 2 of 2

removed from discolored areas and a UT was performed as documented in report IP2-UT-12-030. The UT verified acceptable pipe thickness.

Degradation Found? Yes [] No [X] Further Evaluation Required? Yes [] No [X]

Comments: Photos and sketch attached, Ref: Drawing 9321-2236

CR Required? Yes [] No [X] CR No. _____

Performed By: Stephen Guarnaccia */s/ Stephen Guarnaccia* Date: 05/23/2013

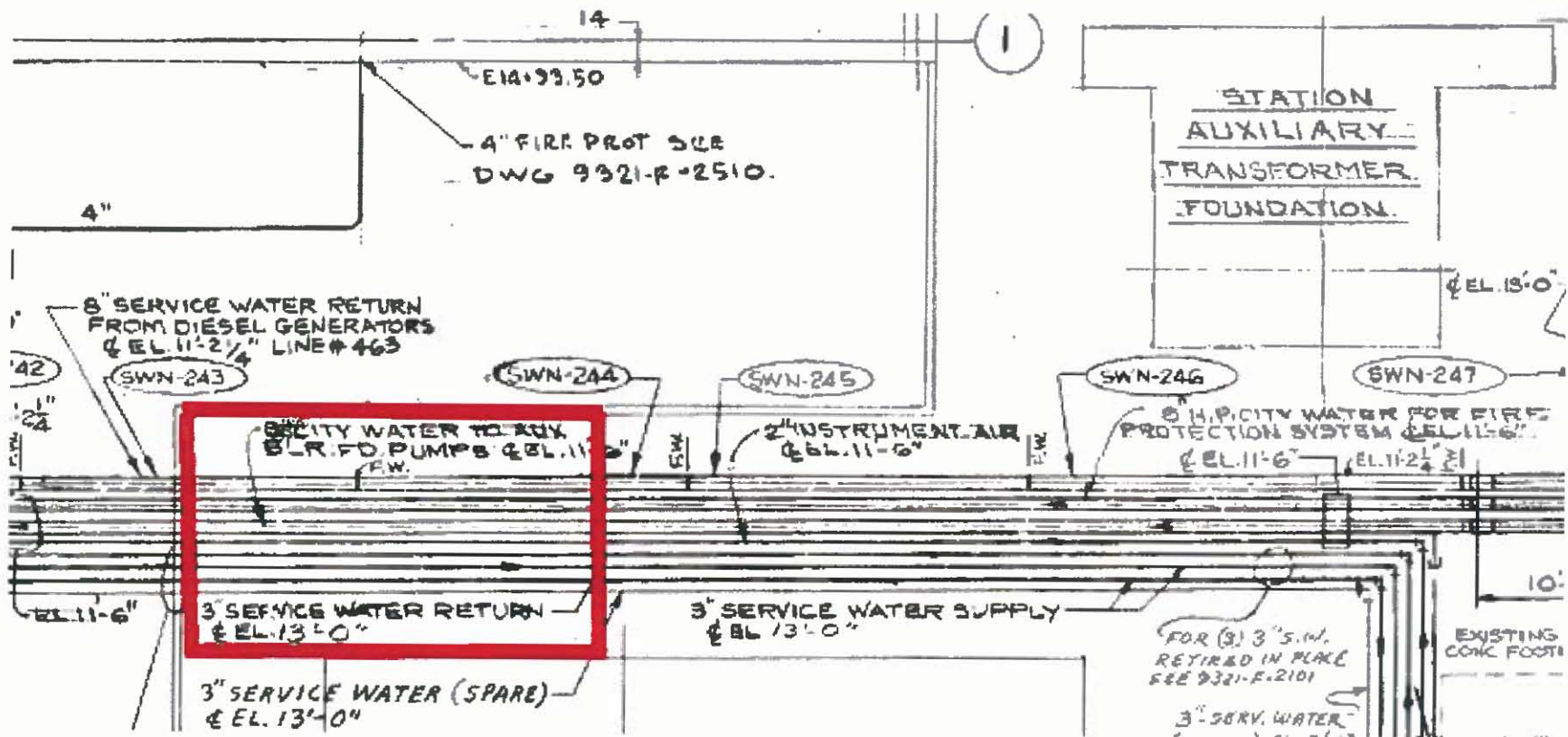
Program Owner or Qualified Designee: Lina Cossio-Gonzalez */s/ Lina Cossio-G* Date: 05/23/2013

EXCAVATION OF 22 MT MOAT AREA

@ North Wall

Piping Uncovered for Inspection: 8-inch SW Line 463 return to EDGs
8-inch HP Fire Protection Line
8-inch City Water Line 1502 to AFPs

Ref: Drawing 9321-2236





8-inch HP Fire Protection Line

8-inch City Water Line 1502 to APPs

8-inch SW Line 463 Service Water Return to EDG



8-inch City Water Line
1502 to AFPS

8-inch HP Fire
Protection Line

8-inch SW Line 463 Service
Water Return to EDG