



UT Erosion/Corrosion Examination

ENT000448
Submitted: March 30, 2012

Site/Unit: IP2 / 2
Summary No.: Line #409
Workscope: BOP

Procedure: CEP-NDE-0505
Procedure Rev.: 4
Work Order No.: 279576-08

Outage No.: N/A
Report No.: IP2-UT-11-050
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Code: ANSI B31.1 1955 Edition Cat./Item: N/A Location: 8'-6" Elevation West of Heater Bay
Drawing No.: 9321-2700 Description: 24" Service Water Header
System ID: Service Water
Component ID: Line #409 Size/Length: 24" Thickness/Diameter: .375"/24"
Limitations: None Component File No.: SW Line #408 Start Time: 1135 Finish Time: 1153

Calibration Information			
Calibration Thickness (In)		Calibration Times / Initials	
<u>.040"</u>	<u>.500"</u>	Start: <u>1135</u>	<u>JFP</u>
<u>.100"</u>	<u>N/A</u>	Verify: <u>N/A</u>	<u>N/A</u>
<u>.200"</u>	<u>N/A</u>	Verify: <u>N/A</u>	<u>N/A</u>
<u>.300"</u>	<u>N/A</u>	Verify: <u>N/A</u>	<u>N/A</u>
<u>.400"</u>	<u>N/A</u>	Final: <u>1153</u>	<u>JFP</u>

Partitioning Information		
Component	Begin/Col/Row	Ending/Col/Row
M. UPST Ext.	<u>N/A</u>	<u>N/A</u>
Main UPST.	<u>N/A</u>	<u>N/A</u>
Main	<u>A-1</u>	<u>S-4</u>
Main DNST.	<u>N/A</u>	<u>N/A</u>
M. DNST Ext.	<u>N/A</u>	<u>N/A</u>
Branch	<u>N/A</u>	<u>N/A</u>
Branch Ext.	<u>N/A</u>	<u>N/A</u>

Component Information	
Component Geometry:	<u>Pipe</u>
Outside Diameter:	<u>24"</u> Grid Size: <u>4" X 4"</u>
Max. Thickness:	<u>.401"/.396"</u> Min. Thickness: <u>.338"/.355"</u>
Nominal Thickness:	<u>.375"</u> Tmin.: <u>.329"</u>
Min. Thickness Location:	<u>D/S MNWY H-4</u>
Max. Thickness Location:	<u>D/S MNWY R-2</u>

Instrument:
Manufacturer: Panametrics
Model: 37-DL Plus
Serial No.: 041163404
Gain: 55 dB
Range: .500"

Transducer:
Manufacturer: Panametrics
Serial No.: 904024
Size: 0.434" Freq.: 5.0 MHz
Model: D791
of Elements: Dual

Reference/Simulator Block:
Serial No.: 99-7437
Type: C/S 0.04"-0.5"
Ref./Simulator Block Temp.: 541 °F
Material/Component Temp.: 49.5 °F

Temp. Tool:
Manufacturer: Control Co., Inc
Serial No.: QS-89
Couplant: Soundsafe
Batch No.: 06120

Comments/Obstructions: 4" X 4" Grid D/S of Manway and Below Elbow. Grid point readings taken.

Results: Accept Reject Info T-Min = 87-1/2 % of Nominal Wall.

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Peterson, Joseph F.	IIL		12/6/2011	N/A		
Terpening, Michael A.	IIL		12/6/2011	Site Review		12/28/11
N/A	N/A			ANII Review		



Supplemental Report

Report No.: IP2-UT-11-050

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Summary No.: Line #409

Examiner: Peterson, Joseph F. *JF Peterson* Level: IIL

Reviewer: N/A Date: _____

Examiner: Terpening, Michael A. *MT Terpening* Level: IIL

Site Review: *Michael Terpening* Date: 12/24/11

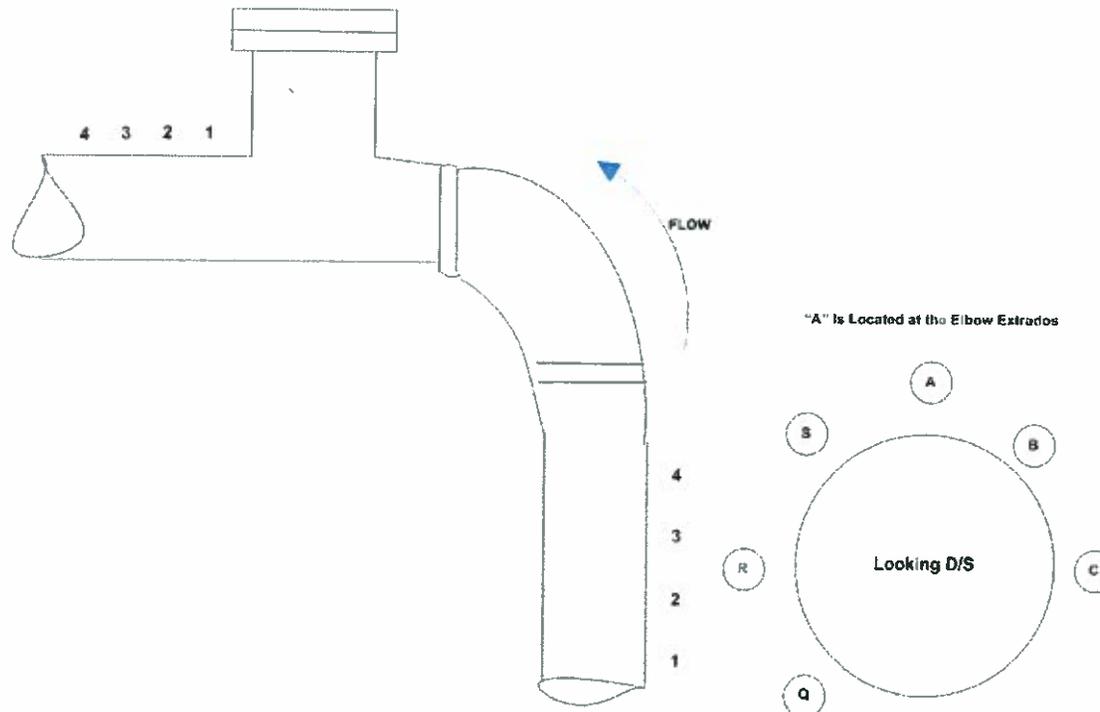
Other: N/A Level: N/A

ANII Review: N/A Date: _____

Comments: See Grid Layout Below:

Sketch or Photo: \\Client\Y\$\Ideal Ver 8\Ideal_Server\Ideal_IP2\Graphics-Pictures\Service Water\SW LINE 409.jpg

Line #409 Service Water Line



COLOR CODED DATA GRID

24" SW Line #409

The Survey Name: SW LINE 409	Survey Date: 12/6/2011 10:58:14 AM
Survey Description: E/C	Survey Mode: THICKNESS
Survey Type: 2D GRID	Erase Protection: FALSE
Location Note: IP 2	Inspector ID: JFP <i>[Signature]</i>
Report No. IP2-UT-11-050	Inspector ID: <i>MAT [Signature]</i>
Page 3 of 4	Reviewer: <i>P. AUSA [Signature]</i>
D/S of Manway	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	Min	Max	Avg
1	0.394	0.386	0.377	0.378	0.374	0.365	0.353	0.344	0.344	0.345	0.345	0.350	0.357	0.351	0.370	0.383	0.393	0.396	0.394	0.344	0.396	0.368
2	0.398	0.395	0.382	0.373	0.374	0.362	0.355	0.349	0.352	0.346	0.352	0.352	0.361	0.367	0.372	0.391	0.398	0.401	0.399	0.346	0.401	0.373
3	0.387	0.381	0.379	0.374	0.367	0.359	0.356	0.349	0.350	0.352	0.361	0.356	0.371	0.372	0.386	0.391	0.397	0.396	0.389	0.349	0.397	0.372
4	0.389	0.386	0.382	0.372	0.363	0.362	0.346	0.338	0.352	0.361	0.365	0.354	0.364	0.370	0.388	0.389	0.397	0.397	0.389	0.338	0.397	0.372
Min	0.387	0.381	0.377	0.372	0.363	0.359	0.346	0.338	0.344	0.345	0.345	0.350	0.357	0.351	0.370	0.383	0.393	0.396	0.389			
Max	0.398	0.395	0.382	0.378	0.374	0.365	0.356	0.349	0.352	0.361	0.365	0.356	0.371	0.372	0.388	0.391	0.398	0.401	0.399			
Avg	0.392	0.387	0.380	0.374	0.370	0.362	0.353	0.345	0.350	0.351	0.356	0.353	0.363	0.365	0.379	0.389	0.396	0.398	0.393			

Color Legend:

Over Range	
Not Used	0.401
0.339 - 0.401	0.338
0.336 - 0.338	0.335
0.330 - 0.335	0.329
0.000 - 0.329	0.000
Under Range	
Row or Column Statistics	

Total Statistics:

Maximum	0.401
Minimum	0.338
Average	0.371

