





# ULTRASONIC CORROSION SURVEY

Survey Name: CNRL

LSD: 16-13-075-11W6	Dwg: 119	Vessel Number: A0405016	Manufacturer: PRIORITY PROJECTS LTD.	Survey Date: 1/31/11
District Unit: WEST COUNTY		Vessel Name: LINE HEATER - PIPING	Serial Number: 4655	Inspector: RAJ KHAN
Location: VALHALLA		Year Built: 1996	Shell MAWP PSI: 3191 MAWT F: 200	Process: SOUR
Skid: SKD0230		Tag Number: -	Tube MAWP PSI: 0 MAWT F: 0	Project #: C70099
		CRN: F3319.213	Vessel CA: 0.0000	

Band	Description		Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date	
			1	2	3	4	5	6									
119-05	Piping	Baseline	0.284	0.287	0.289	0.286	0.286	0.285	2006	0.286	0.284	0.3000	0.0375	0.2586	2012	2020	
Shape	Cylindrical	Shell Side	Previous	0.284	0.287	0.289	0.286	0.286	2006	0.286	0.284	Comments-->					
OD	3.5		Current	0.275	0.278	0.283	0.277	0.280	2011	0.279	0.275						
Spec.	B31.3			ST Loss MPY						0.002	OK						
Material	A 106 - B			LT Loss MPY						0.002							
119-10	Piping	Baseline	0.296	0.297	0.298	0.297	0.298	0.299	2006	0.298	0.296	0.3000	0.0375	0.2586	2012	2031	
Shape	Cylindrical	Shell Side	Previous	0.296	0.297	0.298	0.297	0.298	2006	0.298	0.296	Comments-->					
OD	3.5		Current	0.296	0.297	0.298	0.297	0.298	2011	0.298	0.296						
Spec.	B31.3			ST Loss MPY						0.000	OK						
Material	A 106 - B			LT Loss MPY						0.000							
119-15	Piping	Baseline	0.717	0.696	0.674	0.674	0.684	0.697	2006	0.690	0.674	0.6000	0.0750	0.2586	2012	2031	
Shape	90° Elbow	Shell Side	Previous	0.717	0.696	0.674	0.674	0.684	2006	0.690	0.674	Comments-->					
OD	3.5		Current	0.702	0.687	0.674	0.674	0.684	2011	0.686	0.674						
Spec.	B31.3			ST Loss MPY						0.000	OK						
Material	A 234 - WPB			LT Loss MPY						0.000							
119-20	Piping	Baseline	0.712	0.693	0.690	0.701	0.707	0.717	2006	0.703	0.690	0.6000	0.0750	0.2586	2012	2031	
Shape	90° Elbow	Shell Side	Previous	0.712	0.693	0.690	0.701	0.707	2006	0.703	0.690	Comments-->					
OD	3.5		Current	0.707	0.693	0.690	0.701	0.707	2011	0.702	0.690						
Spec.	B31.3			ST Loss MPY						0.000	OK						
Material	A 234 - WPB			LT Loss MPY						0.000							



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Location: VALHALLA		Year Built: 1996	Shell MAWP PSI: 3191 MAWT F: 200	Process: SOUR
Skid: SKD0230		Tag Number: -	Tube MAWP PSI: 0 MAWT F: 0	Project #: C70099
		CRN: F3319.213	Vessel CA: 0.0000	

Band	Description		Readings						Year	Avg Inches	Min Inches	Nominal	CA	TMIN	Recommended Next Inspection	Recommended Retirement Date
			1	2	3	4	5	6								
119-25	Piping	Baseline	0.312	0.309	0.304	0.302	0.303	0.304	2006	0.306	0.302	0.3000	0.0375	0.2586	2012	2031
Shape	90° Elbow	Shell Side	Previous	0.312	0.309	0.304	0.302	0.303	0.304	2006	0.306	0.302	Comments-->			
OD	3.5		Current	0.300	0.301	0.302	0.302	0.301	0.303	2011	0.302	0.300				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 234 - WPB			LT Loss MPY						0.000						
119-30	Piping	Baseline	0.297	0.294	0.293	0.292	0.293	0.294	2006	0.294	0.292	0.3000	0.0375	0.2586	2012	2031
Shape	90° Elbow	Shell Side	Previous	0.297	0.294	0.293	0.292	0.293	0.294	2006	0.294	0.292	Comments-->			
OD	3.5		Current	0.296	0.294	0.293	0.292	0.293	0.293	2011	0.294	0.292				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 234 - WPB			LT Loss MPY						0.000						
119-35	Piping	Baseline	0.287	0.283	0.283	0.284	0.281	0.287	2006	0.284	0.281	0.3000	0.0375	0.2586	2012	2031
Shape	Cylindrical	Shell Side	Previous	0.287	0.283	0.283	0.284	0.281	0.287	2006	0.284	0.281	Comments-->			
OD	3.5		Current	0.285	0.282	0.283	0.284	0.281	0.287	2011	0.284	0.281				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 106 - B			LT Loss MPY						0.000						
119-40	Piping	Baseline	0.286	0.281	0.284	0.284	0.284	0.266	2006	0.281	0.266	0.3000	0.0375	0.2586	2012	2031
Shape	Cylindrical	Shell Side	Previous	0.286	0.281	0.284	0.284	0.284	0.266	2006	0.281	0.266	Comments-->			
OD	3.5		Current	0.272	0.272	0.284	0.279	0.278	0.266	2011	0.275	0.266				
Spec.	B31.3			ST Loss MPY						0.000	OK					
Material	A 106 - B			LT Loss MPY						0.000						



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		CRN: F3319.213	Vessel CA: 0.0000	

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			1	2	3	4	5	6								
119-45	Piping	<b>Baseline</b>	0.278	0.279	0.281	0.278	0.277	0.276	2006	0.278	0.276	0.3000	0.0375	0.2586	2012	2031
Shape	90° Elbow	Shell Side	<b>Previous</b>	0.278	0.279	0.281	0.278	0.277	0.276	2006	0.278	0.276	Comments-->			
OD	3.5		<b>Current</b>	0.278	0.279	0.281	0.278	0.277	0.276	2011	0.278	0.276				
Spec.	B31.3									<b>ST Loss MPY</b>	0.000	OK				
Material	A 234 - WPB									<b>LT Loss MPY</b>	0.000					
119-50	Piping	<b>Baseline</b>	0.276	0.289	0.287	0.285	0.287	0.288	2006	0.285	0.276	0.3000	0.0375	0.2586	2012	2031
Shape	90° Elbow	Shell Side	<b>Previous</b>	0.276	0.289	0.287	0.285	0.287	0.288	2006	0.285	0.276	Comments-->			
OD	3.5		<b>Current</b>	0.276	0.287	0.287	0.285	0.287	0.287	2011	0.285	0.276				
Spec.	B31.3									<b>ST Loss MPY</b>	0.000	OK				
Material	A 234 - WPB									<b>LT Loss MPY</b>	0.000					