

Inspection Report – Pressure Vessel Visual External

<input type="checkbox"/> Installation	<input type="checkbox"/> U1A reflects nameplate data	<input type="checkbox"/> PSV settings verified against PEng. stamped drawing or document
<input checked="" type="checkbox"/> External	<input checked="" type="checkbox"/> Regulatory	<input type="checkbox"/> Periodic
<input checked="" type="checkbox"/> Sweet	<input type="checkbox"/> Sour	
Date: 2020-09-01	Description: <input checked="" type="checkbox"/> Vessel <input type="checkbox"/> Exchanger <input type="checkbox"/> Boiler	Etag: E27164
Inspector: Derek Pfisterer	Equipment Name: NATURAL GAS LIQUIDS BULLET	CRN#: D9441.2
Agent Co: Brias Inc.	Jurisdiction #: A0152767	Serial #: A5880-A
Owner: Enerplus Corp.	Manufacturer: Dominion Bridge Company	Year Built: 1981
District: NA	Field: JOARCAM 6-29 FACILITY	LSD: 06-29-049-21W4

Vessel			PSV							MDMT: -20			
Zone	MAWP	MAWT	E Tag	Set Press	Capacity	Manf.	S/N	Inlet Size	Out Size	Seal Intact Y/N	CSO? Y/N	Serv Co.	Serv. Date
Shell Side	275	100	27165	275	27018	Combo Joe	H500-275-9-80	4	3	NA	Y	NA	NA
Tube Side													
Other													

	Shell	Head	Channel	Tube	Comment
Material					
Nominal T					
CA					
Orientation: <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical		Foundation: <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Timbers <input checked="" type="checkbox"/> Steel			Condition: Acceptable to regulation
Support	<input checked="" type="checkbox"/> Saddle	<input type="checkbox"/> Seal Welded	<input checked="" type="checkbox"/> Free to Move	Condition: Acceptable to regulation	
	<input type="checkbox"/> Skirt	<input type="checkbox"/> Free of Debris		Condition: NA	
	<input type="checkbox"/> Hangers	<input type="checkbox"/> Secure		Condition: NA	
	<input type="checkbox"/> Other:			Condition: NA	
Ext. Surface	<input checked="" type="checkbox"/> Painted	<input type="checkbox"/> Insulated	<input type="checkbox"/> Fire-proofed	<input type="checkbox"/> Cladded	Condition: Paint is flaking
Ext. Fixtures	<input checked="" type="checkbox"/> Ladder	<input checked="" type="checkbox"/> Platform	<input type="checkbox"/> Other: Acceptable to regulation		
Inspection Nozzles	<input checked="" type="checkbox"/> Manway	<input type="checkbox"/> Port	Size: 20"	<input checked="" type="checkbox"/> Reinforcement Pad	<input checked="" type="checkbox"/> Weep Hole Present
Davit Arm	<input type="checkbox"/> Present	<input type="checkbox"/> Greased	<input type="checkbox"/> Double nutted	Condition: NA	
Overall	General Conditions: Acceptable to regulation			Electrical Grounding: <input type="checkbox"/> Direct <input type="checkbox"/> Indirect <input type="checkbox"/> None	

Piping				
<input checked="" type="checkbox"/> PSV	<input checked="" type="checkbox"/> Supported	Vented outside building? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Discharge Piping Installed to prevent water ingress? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Inlet	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Welded	<input type="checkbox"/> Treaded	<input checked="" type="checkbox"/> Free from leaks Comment: Acceptable to regulation
<input checked="" type="checkbox"/> Outlet	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Welded	<input type="checkbox"/> Threaded	<input checked="" type="checkbox"/> Free from leaks Comment: Acceptable to regulation
<input checked="" type="checkbox"/> Drains	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Welded	<input type="checkbox"/> Threaded	<input checked="" type="checkbox"/> Free from leaks Comment: Acceptable to regulation
<input checked="" type="checkbox"/> Instrumentation	<input checked="" type="checkbox"/> Supported	<input checked="" type="checkbox"/> Free From Leaks	Comment: Acceptable to regulation	

PAPER COPIES ARE UNCONTROLLED. THIS COPY ONLY VALID AT TIME OF PRINTING.

Inspection Report – Pressure Vessel Visual External

Valves			
<input checked="" type="checkbox"/> Manual Isolation Valve	<input checked="" type="checkbox"/> Free from leaks	Short bolting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Comment: Acceptable to regulation
<input type="checkbox"/> Automated Control Valve	<input type="checkbox"/> Free from leaks	Short bolting? <input type="checkbox"/> Yes <input type="checkbox"/> No	Comment: NA

Gauges			
<input checked="" type="checkbox"/> Pressure Gauge	Good Condition? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Comment: Acceptable to regulation	
<input type="checkbox"/> Temperature Gauge	Good Condition? <input type="checkbox"/> Yes <input type="checkbox"/> No	Comment: NA	
<input checked="" type="checkbox"/> Sight Glass	Good Condition? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Comment: Acceptable to regulation	

Inspection Summary:

- Vessel has had a UT corrosion survey in the past
- Vessel has had a visual external and a UT corrosion survey Inspection which complies with an On-Stream Inspection as per AB506 (10.4 (a)) & API 510 6.5.2 & 5.3.3
- Paint is flaking on head and shell
- Lamination noted on CML # 30 at 0.332" and a backwall reflection of 1.321"


Corrective Action Item(s):

- Continue to monitor paint on head and shell
- Continue to monitor lamination in CML # 30

NCR:

Integrity Status:	Suitable for continued Service? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Immediate repairs required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Inventory Status:	<input checked="" type="checkbox"/> In service <input type="checkbox"/> Out of service	

Inspector Sign Off

Recommended External <u>Inspection Interval</u> (months): 60	
Recommended <u>PSV</u> Service Interval (months): NA	
Signature: 	Jurisdictional Inspector #: ABSA ISI # 000876 – Expires May 2020

Enerplus In-service Inspector Sign Off

External Inspection <u>Interval changes</u> to (months): RG 120 mths VE UT + Phased Array UT PD 60 mths VE UT
Recommended <u>PSV</u> Service Interval (months):
Signature and Jurisdictional Inspector #: <i>Jeff Crabbe psal 000240</i>

		
	<p>Click here to enter text.</p>	<p>Click here to enter text.</p>
		
	<p>Click here to enter text.</p>	<p>Click here to enter text.</p>

PAPER COPIES ARE UNCONTROLLED. THIS COPY ONLY VALID AT TIME OF PRINTING.

The control version of this document can be found in SIMS. Monitor – Documents and Links – Forms – Canada – Asset Integrity
Last Revised August 23, 2018

			
Click here to enter text.		Click here to enter text.	
			
Click here to enter text.		Click here to enter text.	
			
Click here to enter text.		Click here to enter text.	
			
Click here to enter text.		Click here to enter text.	
			
Click here to enter text.		Click here to enter text.	
			
Click here to enter text.		Click here to enter text.	

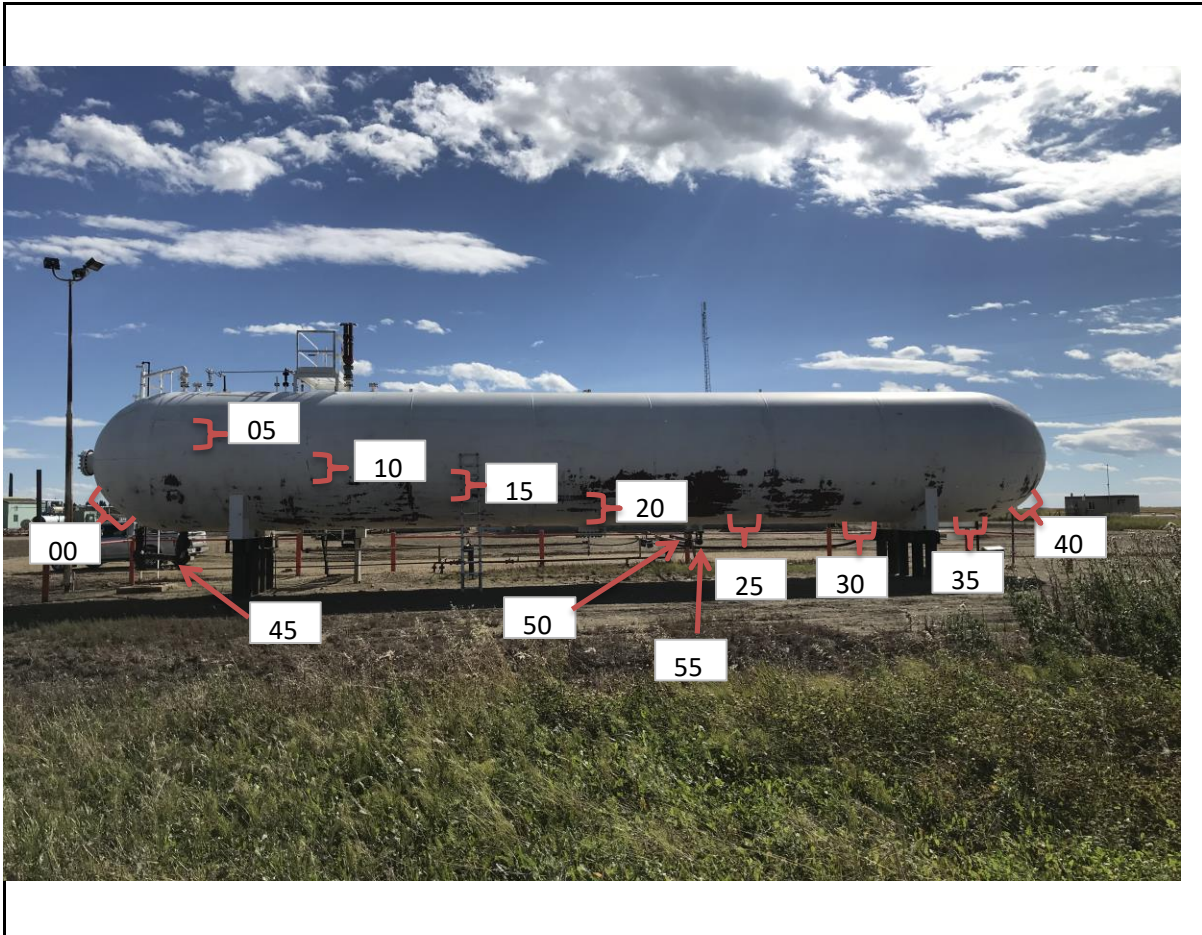
PAPER COPIES ARE UNCONTROLLED. THIS COPY ONLY VALID AT TIME OF PRINTING.

The control version of this document can be found in SIMS. Monitor – Documents and Links – Forms – Canada – Asset Integrity
Last Revised August 23, 2018

An Integrity Focused Inspection Company

Date 2020-09-01 **Etag#** E27164
Owner Enerplus **Brias Job #** 2590
Vessel Description Natural Gas Liquid Bullet **LSD** 6-29-49-21W4
Jur# A0152767 **CRN** D9441.2
Manufacturer Dominion Bridge Company **Serial #** A5880-A
Comments: **** Lamination on CML # 30 noted at 0.332" ****

ULTRASONIC INSPECTION REPORT



Reviewed By

Date

Signature

UT performed by: Derek Pfisterer

Date 2020-09-01

CGSB level 2 cert # 18452

Signature

Expiry Date: 2021-04-15

UT Scanner: Olympus, Epoch 600

SN: 130477502

Calibration Date: 6/24/2020

Daily performance check on step wedge

UT interval set at

Jeff Crabbe psrl 000240

RG 120 mths VE UT + Phased Array UT
PD 60 mths VE UT, monitor TML 30

Tmin Calculator

MDR on File Yes **No**
 Assumed **Yes**

S=	17500
Radius	72
E=	1
MAWP=	275

Shell
 Tmin 1.142198

S=	17500
Radius	72
E=	1
MAWP=	275

Head
 Tmin 1.142198

Piping Tmin
 Diameter
 Tmin 0

Allowable Stress

	Pre-1999	Post 1999
SA516-70	17500	20000
SA106B	15000	17100
SA105	17500	20000
SA333 6	15000	17100
SA350LF2	17500	20000
SA283 A	11300	12900
SA283 B	12500	14300
SA283 C	13800	15700
SA285A	11300	12900
SA285B	12500	14300
SA285C	13800	15700
SA36	14500	16600
SA-212 B	17500	
SA-53B (SMLS)	15000	17100
SA-53B (WLD)	12800	14600
Assumed		
(lowest grade)	11300	12900

Radiography	Effeciency
Full Type 1	1
Spot Type 1	0.85
Default	0.7
As per MDR	

CML Number 0
Average thickness 0.7053 Year Built 1981
Minimum thickness 0.697 Current Year 2020
CML Location East Head

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
0.669	N/A	N/A	0.708	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.698	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.700	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.702	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.736	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.697	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.699	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.699	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.713	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.701	N/A	0.000	0.669	N/A	INF	INF

CML Number 5
Average thickness 1.3502 Year Built 1981
Minimum thickness 1.324 Current Year 2020
CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.367	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.367	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.352	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.353	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.364	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.324	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.326	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.361	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.361	N/A	0.000	1.142	N/A	INF	INF

CML Number 10
 Average thickness 1.3059 Year Built 1981
 Minimum thickness 1.287 Current Year 2020
 CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.326	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.328	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.305	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.302	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.329	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.303	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.288	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.287	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.288	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.303	N/A	0.000	1.142	N/A	INF	INF

CML Number 15
 Average thickness 1.3461 Year Built 1981
 Minimum thickness 1.31 Current Year 2020
 CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.333	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.347	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.310	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.323	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.364	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.350	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.357	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.357	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.357	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.363	N/A	0.000	1.142	N/A	INF	INF

CML Number 20
Average thickness 1.2825 Year Built 1981
Minimum thickness 1.269 Current Year 2020
CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.301	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.282	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.287	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.269	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.271	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.272	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.272	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.282	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.284	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.305	N/A	0.000	1.142	N/A	INF	INF

CML Number 25
Average thickness 1.3274 Year Built 1981
Minimum thickness 1.307 Current Year 2020
CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.307	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.319	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.312	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.315	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.321	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.320	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.349	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.352	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.352	N/A	0.000	1.142	N/A	INF	INF

CML Number 30
 Average thickness 1.2241
 Minimum thickness 0.332
 CML Location Shell

Year Built 1981
 Current Year 2020

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.328	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.319	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.302	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.322	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.327	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.330	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	0.332	N/A	0.023	1.142	N/A	Past Date	Past Date

CML Number 35
 Average thickness 1.2984 Year Built 1981
 Minimum thickness 1.27 Current Year 2020
 CML Location Shell

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
1.220	N/A	N/A	1.291	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.291	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.310	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.270	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.299	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.313	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.300	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.301	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.311	N/A	0.000	1.142	N/A	INF	INF
1.220	N/A	N/A	1.298	N/A	0.000	1.142	N/A	INF	INF

CML Number 40
 Average thickness 0.6979 Year Built 1981
 Minimum thickness 0.684 Current Year 2020
 CML Location West Head

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
0.669	N/A	N/A	0.700	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.695	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.703	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.694	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.708	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.684	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.697	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.704	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.700	N/A	0.000	0.669	N/A	INF	INF
0.669	N/A	N/A	0.694	N/A	0.000	0.669	N/A	INF	INF

CML Number 45
 Average thickness 0.209 Year Built 1981
 Minimum thickness 0.207 Current Year 2020
 CML Location Drain Piping

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
0.216	N/A	N/A	0.208	N/A	0.000	0.080	N/A	624.000	487.500
0.216	N/A	N/A	0.211	N/A	0.000	0.080	N/A	1021.800	803.400
0.216	N/A	N/A	0.207	N/A	0.000	0.080	N/A	550.333	429.000
0.216	N/A	N/A	0.209	N/A	0.000	0.080	N/A	718.714	562.714
0.216	N/A	N/A	0.210	N/A	0.000	0.080	N/A	845.000	663.000

CML Number 50
 Average thickness 0.2112 Year Built 1981
 Minimum thickness 0.208 Current Year 2020
 CML Location Drain Piping

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
0.216	N/A	N/A	0.208	N/A	0.000	0.080	N/A	624.000	487.500
0.216	N/A	N/A	0.217	N/A	0.000	0.080	N/A	INF	INF
0.216	N/A	N/A	0.208	N/A	0.000	0.080	N/A	624.000	487.500
0.216	N/A	N/A	0.209	N/A	0.000	0.080	N/A	718.714	562.714
0.216	N/A	N/A	0.214	N/A	0.000	0.080	N/A	2613.000	2067.000

CML Number 55
 Average thickness 0.1896 Year Built 1981
 Minimum thickness 0.182 Current Year 2020
 CML Location Drain Piping

Nominal Thickness	Last Survey Date	Last Survey Thickness	Current Survey Thickness	Short Term CR (in/yr)	Long Term CR (in/yr)	T Min	Short Term Remaining Life to T Min (yrs)	Long Term Remaining life to T Min (yrs)	Time to half wall thickness (yrs)
0.218	N/A	N/A	0.207	N/A	0.000	0.070	N/A	485.727	347.455
0.218	N/A	N/A	0.188	N/A	0.001	0.070	N/A	153.400	102.700
0.218	N/A	N/A	0.182	N/A	0.001	0.070	N/A	121.333	79.083
0.218	N/A	N/A	0.185	N/A	0.001	0.070	N/A	135.909	89.818
0.218	N/A	N/A	0.186	N/A	0.001	0.070	N/A	141.375	93.844