

TURNOVER PACKAGE TANK #7

BAKER LAKE , NU

PREPARED FOR



 Vendor Document Status	
AGNICO EAGLE	
1	☐ Proceed to next submission and status.
2	☐ Proceed with exceptions as noted to next submission and status.
3	☐ Do not proceed. Revise as noted and resubmit next submission and status.
4	☒ Complete, no further submission required.
By: _____ Date: _____	
Review and authorization to fabricate are only for general conformance with the design concept of the Project as expressed in the Contract Documents. Sole responsibility for the accuracy and completeness of this document, including but not limited to dimensions and quantities, remains with the Supplier/Contractor. Agnico Eagle does not warrant the accuracy or completeness of any of the information contained herein, nor does Agnico Eagle authorize or approve any construction means, methods, techniques, sequences or any safety precautions or procedures.	
Agnico Eagle No. _____ Turnover #1 Rev. A R: _____	
DOCUMENT FOR INFORMATION	

ENGINEERING DESIGN AND MATERIAL PROVIDED BY

Inukshuk Construction Limited
Industrial Contracting  Project Management

ERECTED BY



Rev. A

SEPTEMBER 12, 2019

INSPECTION & TEST PLAN						
Tank: Tank #7 6170TNK42			Project: AEM Baker Lake Fuel Tanks		Document: TK#7 ITP	
By: Inukshuk Construction Ltd.			Proj. #: 315		Revision: 2 - Issued for Construction	
Item	Component	Activity	ITP Type	Documentation	Acceptance Criteria	Notes
1	Kick-Off Meeting	Kickoff Meeting	N/A	Meeting Minutes	N/A	
2	Signature Log	Verify	N/A	Signature Log	N/A	
3	Welder Qualification	Verify	N/A	Individual Welder Qualifications / Welder Log	API-650 / ASME IX	
4	Inspector Qualification	Verify	N/A	In house Inspector & 3 rd Party Qualifications	API-650	
5	Weld Procedures	Verify	N/A	Approved Weld Procedures	API-650 / ASME IX, CWB W47.1	
6	Welding Consumable	Electrode Storage	N/A	N/A	Manufacturer's Instructions	
7	Foundation	Foundation Survey	DC	Foundation Acceptance Report, Compaction Report & Survey from 3rd Party	API-650 Para 7.5.5	
8	Floor	Materials	FI	MTR Confirmation to Dwg	Drawing & API-650 Sect. 4	MTR issued prior to shipping
		Fit up	VE, DC	As Built Drawing	Drawing	per API-650 5.1.5.4 - bottom plates under the shell shall have the outer ends of the joints fitted and lap-welded
		Welding	VE	Weld Map, Visual Report	API-650 Para 7.2 & 8.5 & WPS	
		Vacuum Test	VB	Vacuum Box Test Report	API-650 Para 7.3.3(a) & 8.6	
9	Shell to Floor Seams	Initial Weld Pass	VE	Weld Map, Visual Report	API-650 Para 8.5, 7.2.4.1	
		Final Weld Pass	VE	Weld Map, Visual Report	API-650 Para 8.5, 7.2.4.1	
		LPT	NDT	Diesel Test Report	API-650 Para 7.2.4.1 d	LPT inside of shell to floor seam
10	Shell	Materials	FI	MTR Confirmation to Dwg	Drawing & API-650 Sect. 4	MTR issued prior to shipping
		Fit up 1 st Course	VE, DC	As Built Drawing	Drawing	
		Roundness	DC	Dimension Report	API-650 Para 7.5.3	
		Welding	VE	Weld Map, Visual Report	API-650 Para 7.2, 7.5, 8.5 & WPS	
		Diesel Test	NDT	Diesel Test Report	API-650 Para 7.2.4.1 d	Diesel Test inside of shell butt weld joints
		Tolerance Check - Plumbness & Local Deviations	DC	Dimension Report from 3rd party	API-650 Para 7.5	
		Radiography	NDT	X-ray report / Log / Map	API-650 Para 7.2.3 & 8.1	Testing by a qualified independent inspection firm
Item	Component	Activity	ITP Type	Documentation	Acceptance Criteria	Notes
11	Compression Ring	Fit up	VE, DC	As Built Drawing	Drawing	
		Welding	VE	Weld Map, Visual Report	API-650 Para 7.2 & 8.5 & WPS	
12	Roof	Fit up	VE, DC	As Built Drawing	Drawing	
		Welding	VE	Visual Report	API-650 Para 7.2 & 8.5 & WPS	
		Vacuum Test	VB	Vacuum Box Test Report	API-650 Para 7.3.3(b) & 8.6	
13	Roof Structure	Fit up	VE, DC	As Built Drawing	Drawing	
		Column Plumbness	DC	Dimension Report	API-650 Para 7.5.2 b)	
		Welding	VE	Visual Report	API-650 Para 7.2 & 8.5 & WPS	
14	Nozzles	Layout	VE, DC	As Built Drawing	Drawing	
		Fit up	VE, DC	As Built Drawing	Drawing	
		Shop Prep Welding	VE	Weld Map, Visual Report	API-650 Para 7.2 & 8.5 & WPS	
		Welding	VE	Weld Map, Visual Report	API-650 Para 7.2 & 8.5 & WPS	
		Tolerance Check - Plumbness & Local Deviations	DC	Dimension Report	API-650 Para 7.5	
		Shell Nozzle Repad Air test	AT	Leak Test Report	API-650 Para 7.3.5	
		MPI of Shell Nozzles	NDT	MPI Report	API-650 Para 7.2.3.5	All welds of Shell Nozzles
15	Manways	Layout	VE, DC	As Built Drawing	Drawing	
		Fit up	VE, DC	As Built Drawing	Drawing	

		Welding	VE	Weld Map, Visual Report	API-650 Para 7.2 & 8.5 & WPS	
15	Manways	Tolerance Check – Plumbness & Local Deviations	DC	Dimension Report	API-650 Para 7.5	
		Shell Manway Repad Air test	AT	Leak Test Report	API-650 Para 7.3.5	
		MPI	NDT	MPI Report	API-650 Para 7.2.3.6	All welds of Shell Manways
16	Internals	Layout	VE, DC	As Built Drawing	Drawing	
		Fit up	VE, DC	As Built Drawing	Drawing	
		Welding	VE	Visual Report	API-650 Para 7.2 & 8.5 & WPS	
17	Externals	Layout	VE, DC	As Built Drawing	Drawing	
		Fit up	VE, DC	As Built Drawing	Drawing	
		Welding	VE	Visual Report	API-650 Para 7.2 & 8.5 & WPS	
18	Stairs & Platforms	Layout	VE, DC	As Built Drawing	Drawing	
		Fit up	VE, DC	As Built Drawing	Drawing	
		Welding	VE	Visual Report	API-650 Para 7.2 & 8.5 & WPS	
19	Bolts & Nuts	Inspection	VE, DC	As Built Drawing	Drawing	Bolt Torque
Item	Component	Activity	ITP Type	Documentation	Acceptance Criteria	Notes
21	Final	Name Plate Verification	N/A	Scan of Name Plate	Drawings	
		Final Inspection	FI	As Built Drawings, Data Sheet, Manufacturer's Certification (3 rd Party), Punch List	Drawings	

DEFINITIONS:

AT - AIR TEST: Specified component and/or installation to be air tested according to specified documentation and specifications.

DC - DIMENSION CHECK: Physical dimensions of component and/or installation to be verified according to specified documentation and specifications.

FI - FINAL INSPECTION: Specified inspection procedures to be executed prior to release of the component and/or installation and verified according to specified documentation and specifications.

NDT - NON DESTRUCTIVE TESTING: Specified component and/or installation to be inspected using a named non destructive testing method according to specified documentation and specifications.

VE - VISUAL Examination: Specified component and/or installation to be examined visually according to specified documentation and specification.

VB - VACUUM-BOX TEST: Specified component and/or installation to be vacuum box tested according to specified documentation and specifications.

Handwritten signature: B. H. G. / [Signature]

ALL CAN INSPECTION SERVICES (2011) INC.

Report # J1706

9323-37 Avenue, NW, Edmonton, Alberta T6E 5N4

SHOP: 780-462-1072 OFFICE: 780-462-9797 FAX: 780-462-6664

EMAIL: shop@allcaninspection.com www.allcaninspection.com

PAGE 1 OF 1

Client:	Storage Tank Solutions	Client Job #	Welder Coupons
Address:	9 Well Head Street, Devon AB, T9G1Z6	P.O. #	Sebastien
Contact:	Name: Sebastien Ouellet	Date:	Feb 25/19
	Phone: 780-982-3980		
Work Location:	All Can Inspection Shop	Work Description:	

- CODES**
1. ASME B31.3 N/S
 2. ASME B31.3 S/C
 3. ASME Sec. VIII Div. 1 UW51
 4. ASME Sec. VIII Div. 1 UW52
 5. CSA Z662
 6. CSA Z662 (Sour)
 7. API 650
 8. Other: QW191.2

NDE No:	Size & thickness Plus Code Max. reinforcement	Material	Code	IQI	Technique Number	Source Side of Object to Film Distance	Source to Object Distance	Number of Exposures	Welder ID	LF - Lack of Fusion IP - Incomplete Penetration IC - Internal Concavity BT - Burn Through TI - Tungsten Inclusion IU: Internal Undercut EU: External Undercut EP - Excessive Penetration P - Porosity S - Slag HL - High-Low C - Crack AB - Arc Burn HB - Hollow Bead Severity: 1 = Slight, 2 = Medium, 3 = Severe (Reject)	Severity	Accept	Reject
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	KW				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	KW				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	KW				
	0-6"											✓	
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	MM				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	MM				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	MM				
	0-6"											✓	
2G Subarc	1/2" SPOT	P1	8	2	RT-2	0.625	25.000	1	MM				
	0-15"									P @ 0"	1	✓	
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	CJ				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	CJ				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	CJ				
	0-6"											✓	
2G Subarc	1/2" SPOT	P1	8	2	RT-2	0.625	25.000	1	CJ				
	0-15"											✓	

RT Technician:	Gordon Thomas	CGSB Level:	2	Reg. # :	6	SNT-TC-1A Level:	III	SNT-TC-1A No:	6
RT Assistant # 1	Adele Kezama	CEDO #:	18988			SNT-TC-1A Level:	II	SNT-TC-1A No:	18988
RT Assistant # 2		CEDO #:				SNT-TC-1A Level:		SNT-TC-1A No:	

IMPORTANT: See reverse side of this form for All Can Inspection Services (2011) Inc. LIMITED LIABILITY POLICY

Technician Signature _____ Date **Feb 25/19**

Client Representative Signature _____ Evaluation Date _____

The above interpretation is a technical opinion, not a guarantee.
 Client signature indicates acceptance of the report and results.
 Clock tape marker and start arrow marked on weldment.
 It is the customer's responsibility to map welds on drawings.

Film Make / Brand AGFA Film Class / Type: 1-D5

Screens Lead Front 0.010" Back 0.010" One (no.) film per screen

Film Density in H & D: Min. 2.0 Max. 4.0

Penetrometer (IQI hole type) designation: N/A Recommended Max. U.G.: 0.20"

Source Isotope: IRIDIUM-192 (Gamma) Wall Viewing: Single

Effective Focal Spot Size: 0.146 inches Processing: Automatic

RADIOGRAPHIC EXAMINATION REPORT

ALL CAN INSPECTION SERVICES (2011) INC.

Report # J1778

9323-37 Avenue, NW, Edmonton, Alberta T6E 5N4

SHOP: 780-462-1072 OFFICE: 780-462-9797 FAX: 780-462-6664

EMAIL: shop@allcaninspection.com www.allcaninspection.com

PAGE 1 OF 1

Client:	Storage Tank Solutions	Client Job #	Welder Coupons	CODES 1. ASME B31.3 N/S 2. ASME B31.3 S/C 3. ASME Sec. VIII Div 1 UW51 4. ASME Sec. VIII Div. 1 UW52 5. CSA Z662 6. CSA Z662 (Sour) 7. API 650 8. Other: QW191.2
Address:	9 Well Head Street, Devon AB, T9G1Z6	P.O. #	Sebastien	
Contact:	Name: Sebastien Ouellet	Date:	Mar 1/19	
	Phone: 780-982-3980			
Work Location:	All Can Inspection Shop	Work Description:		

NDE No:	Size & thickness Plus Code Max. reinforcement	Material	Code	IQI	Technique Number	Source Side of Object to Film Distance	Source to Object Distance	Number of Exposures	Welder ID	LF - Lack of Fusion IP - Incomplete Penetration IC - Internal Concavity BT - Burn Through TI - Tungsten Inclusion IU: Internal Undercut EU: External Undercut EP - Excessive Penetration P - Porosity S - Slag HL - High-Low C - Crack AB - Arc Burn HB - Hollow Bead	Severity	Accept	Reject
			1 - 8	See Back	See Back	inches	inches						
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	SO	Severity: 1 = Slight, 2 = Medium, 3 = Severe (Reject) Discontinuity	1 - 3	✓	X
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	SO				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	SO				
	0-6"											✓	
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DZ				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DZ				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DZ				
	0-6"											✓	
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JN				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JN				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JN				
	0-6"											✓	
2G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	TM				
	0-6"											✓	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	TM				
	0-6"											✓	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	TM				
	0-6"											✓	

RT Technician: Gordon Thomas	CGSB Level: 2	Reg. #: 6	SNT-TC-1A Level: III	SNT-TC-1A No: 6
RT Assistant # 1 Adele Kezama	CEDO #: 18988		SNT-TC-1A Level: II	SNT-TC-1A No: 18988
RT Assistant # 2	CEDO #:		SNT-TC-1A Level:	SNT-TC-1A No:

IMPORTANT: See reverse side of this form for All Can Inspection Services (2011) Inc. LIMITED LIABILITY POLICY Technician Signature _____ Client Representative Signature _____ Date <u>Mar 1/19</u> Evaluation Date _____ The above interpretation is a technical opinion, not a guarantee. Client signature indicates acceptance of the report and results. Clock tape marker and start arrow marked on weldment. It is the customer's responsibility to map welds on drawings.		Film Make / Brand <u>AGFA</u> Film Class / Type: <u>1-D5</u> Screens Lead Front <u>0.010"</u> Back <u>0.010"</u> One (no.) film per screen Film Density in H & D: Min. <u>2.0</u> Max. <u>4.0</u> Penetrometer (IQI hole type) designation: <u>N/A</u> Recommended Max. U.G.: <u>0.20"</u> Source Isotope: <u>IRIDIUM-192 (Gamma)</u> Wall Viewing: <u>Single</u> Effective Focal Spot Size: <u>0.146 inches</u> Processing: <u>Automatic</u>
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RADIOGRAPHIC EXAMINATION REPORT

ALL CAN INSPECTION SERVICES (2011) INC.

Report # J3424

9323-37 Avenue, NW, Edmonton, Alberta T6E 5N4

SHOP: 780-462-1072 OFFICE: 780-462-9797 FAX: 780-462-6664

EMAIL: shop@allcaninspection.com www.allcaninspection.com

PAGE 1 OF 1

Client:	Storage Tank Solutions	Client Job #	Welder Coupons	CODES 1. ASME B31.3 N/S 2. ASME B31.3 S/C 3. ASME Sec. VIII Div 1 UW51 4. ASME Sec. VIII Div. 1 UW52 5. CSA Z662 6. CSA Z662 (Sour) 7. API 650 8. Other: QW191.2
Address:	9 Well Head Street, Devon AB, T9G1Z6	P.O. #	Sebastien	
Contact:	Name: Sebastien Ouellet	Date:	June 18/19	
	Phone: 780-982-3980			
Work Location:	All Can Inspection Shop	Work Description:		

NDE No:	Size & thickness Plus Code Max. reinforcement	Material	Code	IQI	Technique Number	Source Side of Object to Film Distance	Source to Object Distance	Number of Exposures	Welder ID	LF - Lack of Fusion IP - Incomplete Penetration IC - Internal Concavity BT - Burn Through TI - Tungsten Inclusion IU: Internal Undercut EU: External Undercut	EP - Excessive Penetration P - Porosity S - Slag HL - High-Low C - Crack AB - Arc Burn HB - Hollow Bead	Severity	Accept	Reject
										Severity: 1 = Slight, 2 = Medium, 3 = Severe (Reject)				
										Discontinuity				
2GSMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	AM			1-3	v	x
	0-6"												v	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	AM					
	0-6"									P @ 0", 2 1/2", & 4 1/2"		1	v	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	AM					
	0-6"												v	
Subarc	1/2" SPOT	P1	8	2	RT-2	0.625	25.000	1	AM					
	0-12"												v	
2GSMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JO					
	0-6"									P @ End		1	v	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JO					
	0-6"									P @ 0" & End		1	v	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	JO					
	0-6"												v	
Subarc	1/2" SPOT	P1	8	2	RT-2	0.625	25.000	1	JO					
	0-12"												v	
2GSMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DM					
	0-6"									P @ End		1	v	
3G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DM					
	0-6"												v	
4G SMAW	5/8" SPOT	P1	8	2	RT-2	0.750	25.000	1	DM					
	0-6"									P @ 1"		1	v	

RT Technician: Gordon Thomas	CGSB Level: 2	Reg. #: 6	SNT-TC-1A Level: III	SNT-TC-1A No: 6
RT Assistant # 1 Shannon Berg	CEDO #: 17583		SNT-TC-1A Level: I	SNT-TC-1A No: 17583
RT Assistant # 2	CEDO #:		SNT-TC-1A Level:	SNT-TC-1A No:

IMPORTANT: See reverse side of this form for All Can Inspection Services (2011) Inc. LIMITED LIABILITY POLICY Technician Signature _____ Date _____ June 18/19 Client Representative Signature _____ Evaluation Date _____ The above interpretation is a technical opinion, not a guarantee. Client signature indicates acceptance of the report and results. Clock tape marker and start arrow marked on weldment. It is the customer's responsibility to map welds on drawings.		<table style="width:100%; border-collapse: collapse;"> <tr> <td>Film Make / Brand</td> <td>AGFA</td> <td>Film Class / Type:</td> <td>1-D5</td> </tr> <tr> <td>Screens</td> <td>Lead</td> <td>Front 0.010"</td> <td>Back 0.010" One (no.) film per screen</td> </tr> <tr> <td>Film Density in H & D:</td> <td>Min. 2.0</td> <td>Max. 4.0</td> <td></td> </tr> <tr> <td>Penetrometer (IQI hole type) designation:</td> <td>N/A</td> <td>Recommended Max. U.G.:</td> <td>0.20"</td> </tr> <tr> <td>Source Isotope:</td> <td>IRIDIUM-192 (Gamma)</td> <td>Wall Viewing:</td> <td>Single</td> </tr> <tr> <td>Effective Focal Spot Size:</td> <td>0.146 inches</td> <td>Processing:</td> <td>Automatic</td> </tr> </table>	Film Make / Brand	AGFA	Film Class / Type:	1-D5	Screens	Lead	Front 0.010"	Back 0.010" One (no.) film per screen	Film Density in H & D:	Min. 2.0	Max. 4.0		Penetrometer (IQI hole type) designation:	N/A	Recommended Max. U.G.:	0.20"	Source Isotope:	IRIDIUM-192 (Gamma)	Wall Viewing:	Single	Effective Focal Spot Size:	0.146 inches	Processing:	Automatic
Film Make / Brand	AGFA	Film Class / Type:	1-D5																							
Screens	Lead	Front 0.010"	Back 0.010" One (no.) film per screen																							
Film Density in H & D:	Min. 2.0	Max. 4.0																								
Penetrometer (IQI hole type) designation:	N/A	Recommended Max. U.G.:	0.20"																							
Source Isotope:	IRIDIUM-192 (Gamma)	Wall Viewing:	Single																							
Effective Focal Spot Size:	0.146 inches	Processing:	Automatic																							

RADIOGRAPHIC EXAMINATION REPORT

QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
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WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
Matthew MacKenzie	MM	25/02/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1706
	MM	25/02/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1706
	MM	25/02/2019	STS-2	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J1706
	MM	25/02/2019	STS-7	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J1706

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
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WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
Christopher Jaques	CJ	25/02/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1706
	CJ	25/02/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1706
	CJ	25/02/2019	STS-2	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J1706
	CJ	25/02/2019	STS-7	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J1706

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
--------------------------------	--	------------------

WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
ALAN MARTIN	AM	18/06/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424
	AM	18/06/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424
	AM	18/06/2019	STS-2	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J3424
	AM	18/06/2019	STS-7	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J3424

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
--------------------------------	--	------------------

WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
JOEL OVERGUARD	JO	18/06/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424
	JO	18/06/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424
	JO	18/06/2019	STS-2	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J3424
	JO	18/06/2019	STS-7	SAW	F7A6	2G	.116-1.75	ALL	X-RAY REPORT J3424

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
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WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
DAVID MORRICE	DM	18/06/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424
	DM	18/06/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J3424

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
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WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
JOSEPH NEDERHOFF	JN	01/03/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778
	JN	01/03/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
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WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
DUSTIN ZUBACH	DZ	01/03/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778
	DZ	01/03/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Storage Tank Solutions Inc.	WELDERS' QUALIFICATION RECORD API 650	Exhibit 8, Rev A
--------------------------------	--	------------------

WELDER NAME	WELDER SYMBOL	DATE QUALIF.	QUALIFICATION PROCEDURE	LIMITATIONS					REMARKS
				PROCESS	ELECTRODE	POSITION	THICKNESS RANGE	DIAMETER RANGE	
TYLER MONCRIEFF	TM	01/03/2019	STS-1	SMAW, UP	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778
	TM	01/03/2019	STS-4	SMAW, DOWN	F3-F4	2G,3G,4G	.116-1.75	ALL	X-RAY REPORT J1778

QC (PRINT) SIGN: QA (PRINT) SIGN:	DATE (yyyy-MM-dd): DATE (yyyy-MM-dd):
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QUALITY CONTROL MANUAL

Exhibit 28, Rev 1

EXAMINER QUALIFICATIONS

Customer: AGNICO EAGLE TANK 7

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.1)

Reason for Test: New Construction

Storage Tank Solutions Inc. certifies that each visual examiner meets the following requirements:

- a) Has a vision (with correction, if necessary) to be able to read a Jeager Type 2 standard chart at a distance of not less than 12in. and is capable of passing a color contrast test. Examiners will be checked annually to ensure that they meet the requirement; and
- b) Is competent in the technique of the visual examination, including performing the examination and interpreting and evaluating results; however, where the examination method consists of more than one operation, the examiner performing only a portion of the test need only be qualified for the portion that the examiner performs.

Qualified examiner:



QUALITY CONTROL MANUAL FOUNDATION REPORT

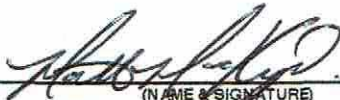
TANK TAG NUMBER: TANK 7 WORK ORDER NUMBER: 315
 CUSTOMER: AEM PROJECT: BAKER LAKE
 ITP LINE NUMBER: 7 DATE: Aug 8/19.

1.0 TANK PAD ACCEPTANCE GUIDELINES

- 1.1 In acceptance of the Tank Foundation, we acknowledge that the following requirements have been met:
- a) The foundation circumference meets the requirements of API 650 Para 7.5.
 - b) The foundation has been staked to clearly identify the major tank axis (North, South, East, West) and the tank center point
 - c) There is adequate access to the tank erection area to commence erection activities.
- 1.2 Our acceptance of the tank foundation is limited only to the above requirements. Acceptance does not constitute certification of the foundation design and/or construction including but not limited to the following:
- a) Certification of the foundation design including that of the leak detection and cathodic protection system.
 - b) Certification that the foundation has the load bearing capacities required.
 - c) Dimensional accuracy other than that explicitly stated above.
 - d) That the coordinate axis complies with the clients plot plan.
 - e) That soil embedded items have been properly placed according to approved drawings. This will be confirmed during the installation of components associated with the embedded items.
 - f) Certification that the foundation has been properly constructed or is structurally acceptable.
 - g) Certifications that the leak detection and/or cathodic protection systems have been properly installed.

OBSERVATIONS:

Tank Foundation meets the requirements of API 650.

ACCEPTED BY: 
(NAME & SIGNATURE)
STS QC REPRESENTATIVE

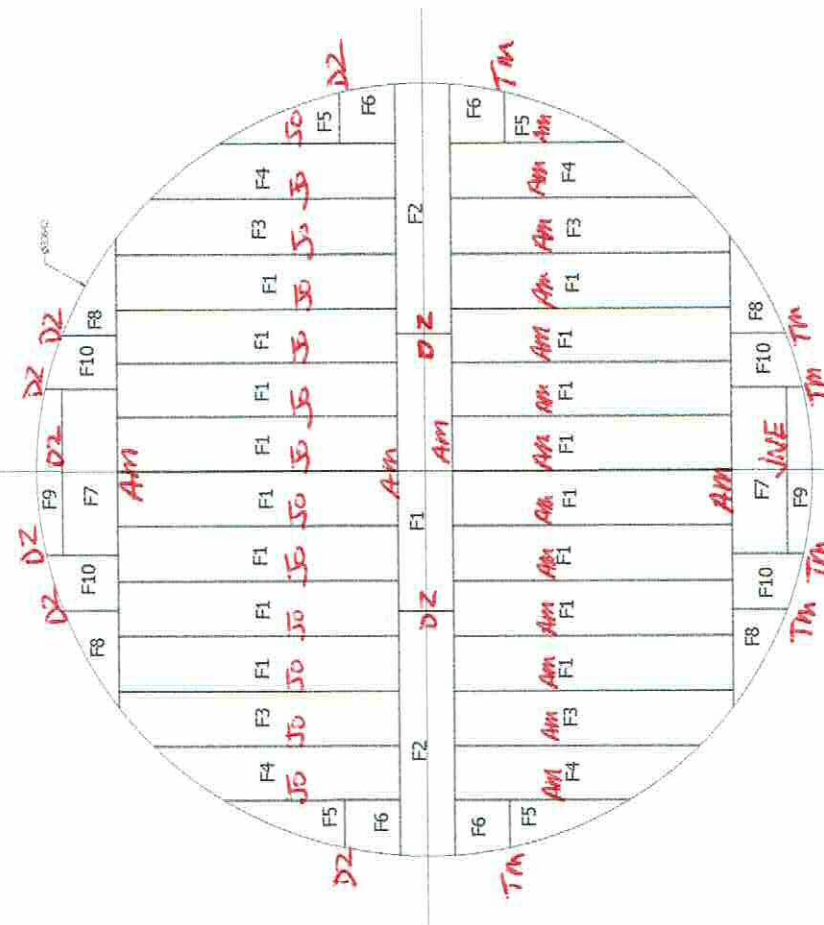
DATE: Aug 8/19.

ACCEPTED BY: 
(NAME & SIGNATURE)
CLIENT INSPECTOR

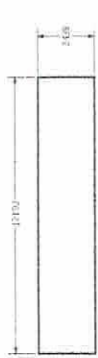
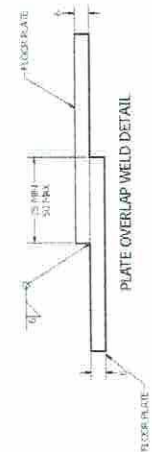
DATE: Aug 8/19

ITEM	QTY	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL PRICE
F1	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22
F2	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22
F3	4	11.5' x 11.5' x 11.5'	sq ft	46	14.14	650.44
F4	4	11.5' x 11.5' x 11.5'	sq ft	46	14.14	650.44
F5	4	11.5' x 11.5' x 11.5'	sq ft	46	14.14	650.44
F6	4	11.5' x 11.5' x 11.5'	sq ft	46	14.14	650.44
F7	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22
F8	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22
F9	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22
F10	2	11.5' x 11.5' x 11.5'	sq ft	23	14.14	325.22

TOTAL: 325.22



FLOOR LAYOUT
SCALE 1/100



F1
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F2
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QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 17/19

Tested by: MAT MACKENZIE

Ambient Conditions: 10°

Items Tested:

Floor welds.

Results:

No defects were found. All welding acceptable

STS Representative Signature: *[Signature]*

Date: Aug 17/19

Client Representative Signature: *[Signature]*

Date: Aug 20/19

QUALITY CONTROL MANUAL

Exhibit 14, Rev 1

VACUUM BOX TEST REPORT – FLOOR PLATE WELDS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TANK 7

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(A vacuum box/soap solution test for floor plate weld seams is required for new construction or major alterations, no visible leaks should be observed)

Test Solution: Water / Snoop

Ambient Conditions: 10°

Test Date(s): August 17/19

Surface Condition: Clean

Tested by: Matt MacKenzie

Surface Test Temperature:

Pressure Gauge:

Items Tested:

Floor plates _____

Results:

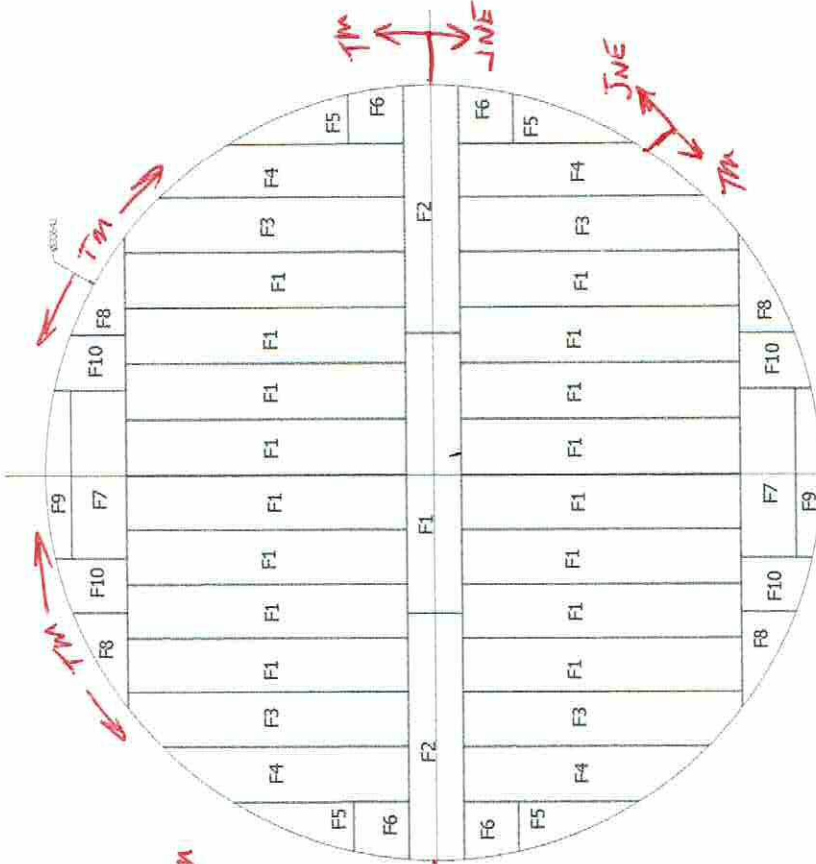
No leak detected _____

STS Representative Signature: [Signature] Date: Aug 17/19

Client Representative Signature: [Signature] Date: Aug 20/19

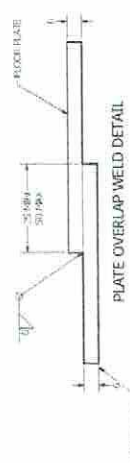
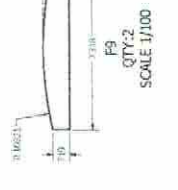
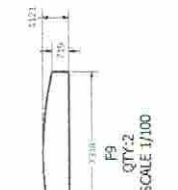
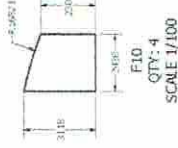
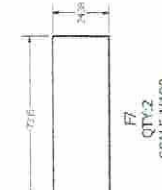
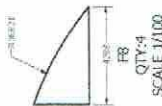
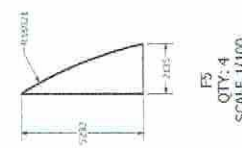
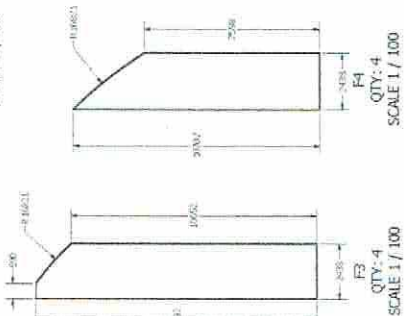
ITEM	QTY	DESCRIPTION	AMOUNT	UNIT WT (KG)	TOT WT (KG)
F1	17	PL 6.35 x 200 x 1100	540.234.86W	540.2	25.14
F2	2	PL 6.35 x 200 x 1100	540.234.86W	1.03	2.06
F3	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F4	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F5	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F6	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F7	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F8	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F9	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F10	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F11	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F12	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F13	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F14	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F15	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F16	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F17	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F18	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F19	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12
F20	4	PL 6.35 x 200 x 1100	540.234.86W	1.03	4.12

TOT WT: 45.411



INSIDE CORNER - AM

QTY: 2
SCALE 1/100



TOT WT: 45.411

16F-45-2019

Project Number: 16F-45-2019

REV	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	2019/05/20
2	REVISION	
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99	REVISION	
100	REVISION	

FLOOR LAYOUT

BAKER LAKE WHALE TAIL PROJECT FLOOR AND ROOF LAYOUT FOR 10,000CUM TANK

DATE	2019/05/20
BY	16F-45-2019
CHECKED	16F-45-2019
APPROVED	16F-45-2019
SCALE	1/100
PROJECT	16F-45-2019
CLIENT	16F-45-2019
DESIGNER	16F-45-2019
DATE	2019/05/20
BY	16F-45-2019
CHECKED	16F-45-2019
APPROVED	16F-45-2019
SCALE	1/100
PROJECT	16F-45-2019
CLIENT	16F-45-2019
DESIGNER	16F-45-2019

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 16/19

Tested by: Matt Mackenzie

Ambient Conditions: 10°

Items Tested: Shell to floor weld

Initial weld pass

Results:

No defects were found. All welding acceptable

STS Representative Signature: Mark H. King Date: August 16/19

Client Representative Signature: Bruno J Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 29/19

Tested by: MATT MARKERIE

Ambient Conditions: 10°

Items Tested: Shell to floor weld

Final weld pass

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature]

Date: Aug 29/19

Client Representative Signature: [Signature]

Date: Sept 3, 2019

QUALITY CONTROL MANUAL

Exhibit 24, Rev 1

DIESEL TEST REPORT (SHELL TO BOTTOM WELD)

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: STORAGE TANK

Equipment Description:

Code Requiring Test: API 650 (section 7.2.4)

Reason for Test: New Construction

(The initial weld pass inside the shell shall have all slag and non-metals removed from the surface of the weld and then examined for its entire circumference both visually and applying a high Flash-point penetrating oil such as light diesel to the gap between the shell and the bottom, letting stand for at least four hours, and examining the weld for evidence of wicking.)

Surface Condition (As Welded)

Test Solution: Diesel

Test Date(s): August 17/19

Tested by: MATT MACKENZIE

Ambient Conditions: 10°

Items Tested:

Shell to bottom seam weld

Results:

No leaks detected at the time of the examination

STS Representative Signature: [Signature] Date: August 17/19

Client Representative Signature: [Signature] Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 18, Rev 1

DIMENSIONAL CHECK REPORT – ROUNDNESS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(The tank shell will be checked for roundness at 12" above the tank floor. Roundness will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): August 8/19Tested by: Matt MacKenzie

Seam Test Results:

Roundness checks were acceptable

STS Representative Signature:



Date:

August 8/19

Client Representative Signature:



Date:

August 8/19

[illegible]

	IN	OUT
1V1	D2	D2
1V2	TMO	TMO
1V3	JO	JO
1V4	D2	JO
1V5	JNE	JNE
1V6	DMO	DMO
1V7	JO	JNE
1V8	TMO	D2
1V9	D2	D2
1V10	D2	D2
IV11	JNE	JNE

	IN	OUT
2V1	JNE	JNE
2V2	JNE	JNE
2V3	JNE	JNE
2V4	D2	D2
2V5	DMO	DMO
2V6	DMO	TMO
2V7	DMO	DMO
2V8	CJ	CJ
2V9	CJ	CJ
2V10	CJ	CJ

	IN	OUT
3V1	CJ	CJ
3V2	JNE	JNE
3V3	JNE	JNE
3V4	JNE	JNE
3V5	D2	D2
3V6	DMO	DMO
3V7	DMO	DMO
3V8	DMO	DMO
3V9	CJ	CJ
3V10	CJ	CJ

	IN	OUT
4V1	CJ	CJ
4V2	JNE	JNE
4V3	JNE	JNE
4V4	JNE	JNE
4V5	D2	D2
4V6	DMO	DMO
4V7	DMO	DMO
4V8	DMO	DMO
4V9	CJ	CJ
4V10	CJ	CJ

	IN	OUT
5V1	D2	D2
5V2	D2	D2
5V3	JO	JNE
5V4	JO	JNE
5V5	JO	JNE
5V6	D2	D2
5V7	TMO	TMO
5V8	TMO	TMO
5V9	TMO	CJ
5V10	D2	CJ

	IN	OUT
H1	mm	Jo

	IN	OUT
H2	mm	Jo

	IN	OUT
H3	mm	Jo

	IN	OUT
H4	mm	Jo

Heat Number	Heat Number	Heat Number	Heat Number	Heat Number
1V1	2V1	3V1	4V1	5V1
1V2	2V2	3V2	4V2	5V2
1V3	2V3	3V3	4V3	5V3
1V4	2V4	3V4	4V4	5V4
1V5	2V5	3V5	4V5	5V5
1V6	2V6	3V6	4V6	5V6
1V7	2V7	3V7	4V7	5V7
1V8	2V8	3V8	4V8	5V8
1V9	2V9	3V9	4V9	5V9
1V10	2V10	3V10	4V10	5V10

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Ambient Conditions: 7°

Items Tested:

SR1 VERTICALS

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature]

Date: Sept 2/19

Client Representative Signature: [Signature]

Date: Sept 3/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 10/19

Tested by: Matt MacKenzie

Ambient Conditions: 12°

Items Tested:

SR2 VERTICALS AND FIRST HORIZONTAL

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature] Date: August 10/19

Client Representative Signature: [Signature] Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (5/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 12/19

Tested by: MATT MACKENZIE

Ambient Conditions: 10°

Items Tested:

SR3 VERTICALS AND SECOND HORIZONTAL

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature] Date: August 12/19

Client Representative Signature: [Signature] Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	8 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 14/19

Tested by: MATT MACKENZIE

Ambient Conditions: 10°

Items Tested:

SR4 VERTICALS AND THIRD HORIZONTAL

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature] Date: August 14/19

Client Representative Signature: [Signature] Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): AUGUST 17/19

Tested by: MATT MACKENZIE

Ambient Conditions: 10°

Items Tested:

SR5 VERTICALS AND FOURTH HORIZONTAL

Results:

No defects were found. All welding acceptable

STS Representative Signature: [Signature] Date: AUGUST 17/19.

Client Representative Signature: Bruno Ry Date: AUGUST 20/19

QUALITY CONTROL MANUAL

Exhibit 16, Rev 1

DIMENSIONAL CHECK REPORT – PEAKING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each vertical seam will be checked for peaking and max. peak dimension recorded for that seam.)

Test Date(s):

Tested by:

Seam Test Results:

1V1- <u>0</u>	1V2- <u>1/16</u>	1V3- <u>1/16</u>	1V4- <u>1/4</u>	1V5- <u>0</u>
1V6- <u>0</u>	1V7- <u>1/4</u>	1V8- <u>1/16</u>	1V9- <u>0</u>	1V10- <u>1/16</u>
				1V11- <u>1/16</u>

STS Representative Signature: [Signature] Date: Sept 2/19

Client Representative Signature: [Signature] Date: Sept 3/19

QUALITY CONTROL MANUAL

Exhibit 17, Rev 1

DIMENSIONAL CHECK REPORT – BANDING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each circumferential seam will be checked for banding and max. banding dimension recorded for that seam. Circumferential seams will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): AUGUST 10/19

Tested by: MATT MACKENZIE

Seam Test Results:

MAXIMUM BANDING RECORDED FOR THE FIRST HORIZONTAL - 3/8"

STS Representative Signature: [Signature] Date: AUG 10/19

Client Representative Signature: [Signature] Date: AUG 20/19

QUALITY CONTROL MANUAL

Exhibit 16, Rev 1

DIMENSIONAL CHECK REPORT – PEAKING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each vertical seam will be checked for peaking and max. peak dimension recorded for that seam.)

Test Date(s): AUGUST 12/19

Tested by: MATT MACKENZIE

Seam Test Results:

2V1-	<u>1/16</u>	2V2-	<u>1/16</u>	2V3-	<u>1/8</u>	2V4-	<u>0</u>	2V5-	<u>1/16</u>
2V6-	<u>0</u>	2V7-	<u>0</u>	2V8-	<u>1/16</u>	2V9-	<u>3/16</u>	2V10-	<u>1/4</u>

STS Representative Signature: [Signature] Date: Aug 12/19

Client Representative Signature: [Signature] Date: Aug 20/19

QUALITY CONTROL MANUAL

Exhibit 17, Rev 1

DIMENSIONAL CHECK REPORT – BANDING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

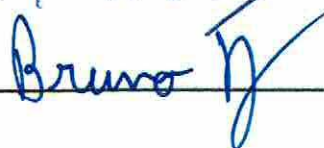
Code Requiring Test: API 650

Reason for Test: New Construction

(Each circumferential seam will be checked for banding and max. banding dimension recorded for that seam. Circumferential seams will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): AUGUST 12/19Tested by: MATT MACKENZIE

Seam Test Results:

MAXIMUM BANDING RECORDED FOR THE SECOND HORIZONTAL - $\frac{1}{4}$ "STS Representative Signature: Date: AUG 12/19Client Representative Signature: Date: AUG 20/19

QUALITY CONTROL MANUAL

Exhibit 16, Rev 1

DIMENSIONAL CHECK REPORT – PEAKING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each vertical seam will be checked for peaking and max. peak dimension recorded for that seam.)

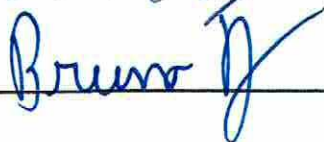
Test Date(s): AUGUST 13/19

Tested by: MATT MACKENZIE

Seam Test Results:

3V1- <u>1/8</u>	3V2- <u>1/16</u>	3V3- <u>1/8</u>	3V4- <u>3/16</u>	3V5- <u>1/16</u>
3V6- <u>1/8</u>	3V7- <u>0</u>	3V8- <u>3/16</u>	3V9- <u>0</u>	3V10- <u>0</u>

STS Representative Signature:  Date: AUG 13/19

Client Representative Signature:  Date: AUG 20/19

QUALITY CONTROL MANUAL

Exhibit 17, Rev 1

DIMENSIONAL CHECK REPORT – BANDING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each circumferential seam will be checked for banding and max. banding dimension recorded for that seam. Circumferential seams will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): August 13/19Tested by: MATT MACKENZIE

Seam Test Results:

MAXIMUM BANDING RECORDED FOR THE THIRD HORIZONTAL - 1/4"STS Representative Signature: [Signature]Date: August 13/19Client Representative Signature: Bruno RjDate: August 20/19

QUALITY CONTROL MANUAL

Exhibit 16, Rev 1

DIMENSIONAL CHECK REPORT – PEAKING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each vertical seam will be checked for peaking and max. peak dimension recorded for that seam.)

Test Date(s): AUGUST 14/19

Tested by: MATT MACKENZIE

Seam Test Results:

4V1- <u>3/16</u>	4V2- <u>1/8</u>	4V3- <u>Ø</u>	4V4- <u>1/16</u>	4V5- <u>1/8</u>
4V6- <u>1/8</u>	4V7- <u>Ø</u>	4V8- <u>3/16</u>	4V9- <u>Ø</u>	4V10- <u>1/16</u>

STS Representative Signature: [Signature] Date: AUGUST 14/19

Client Representative Signature: [Signature] Date: AUGUST 20/19

QUALITY CONTROL MANUAL

Exhibit 17, Rev 1

DIMENSIONAL CHECK REPORT – BANDING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each circumferential seam will be checked for banding and max. banding dimension recorded for that seam. Circumferential seams will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): AUGUST 14/19

Tested by: MATT MACKENZIE

Seam Test Results:

MAXIMUM BANDING RECORDED FOR THE FOURTH HORIZONTAL - 1/4"

STS Representative Signature: [Signature] Date: AUGUST 14/19

Client Representative Signature: [Signature] Date: AUGUST 20/19

QUALITY CONTROL MANUAL

Exhibit 16, Rev 1

DIMENSIONAL CHECK REPORT – PEAKING

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Each vertical seam will be checked for peaking and max. peak dimension recorded for that seam.)

Test Date(s): AUGUST 17/19

Tested by: MATT MACKENZIE

Seam Test Results:

5V1- <u>1/16</u>	5V2- <u>1/16</u>	5V3- <u>1/8</u>	5V4- <u>1/8</u>	5V5- <u>1/8</u>
5V6- <u>1/4</u>	5V7- <u>1/8</u>	5V8- <u>1/16</u>	5V9- <u>1/16</u>	5V10- <u>0</u>

STS Representative Signature: [Signature] Date: August 17/19

Client Representative Signature: [Signature] Date: August 20/19



QUALITY CONTROL MANUAL

Exhibit 25, Rev 1

DIESEL TEST REPORT (SHELL)

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: STORAGE TANK

Equipment Description

Code Requiring Test: API 650 (section 7.3.5)

Reason for Test: New Construction

(The shell shall be tested by painting all of the joints on the inside with a highly penetrating oil and carefully examining the outside of the joints for leakage.)

Surface Condition (As Welded)

Test Solution: Diesel

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Ambient Conditions: 70

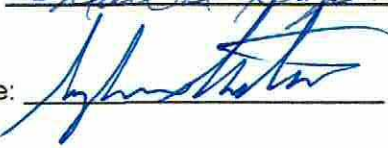
Items Tested:

SR1, SR2, SR3, SR4, SR5 VERTS AND FIRST SECOND THIRD AND FORTHHORIZONTAL

Results:

NO LEAK DETECTEDSTS Representative Signature: 

Date: Sept 2/19

Client Representative Signature: 

Date: Sept 3/19

QUALITY CONTROL MANUAL

Exhibit 19, Rev 1

DIMENSIONAL CHECK REPORT – PLUMBNESS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(The tank shell will be checked for plumb at 12" below the tank roof. Plumb measurements will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): August 29/19

Tested by: Matt Mackenzie

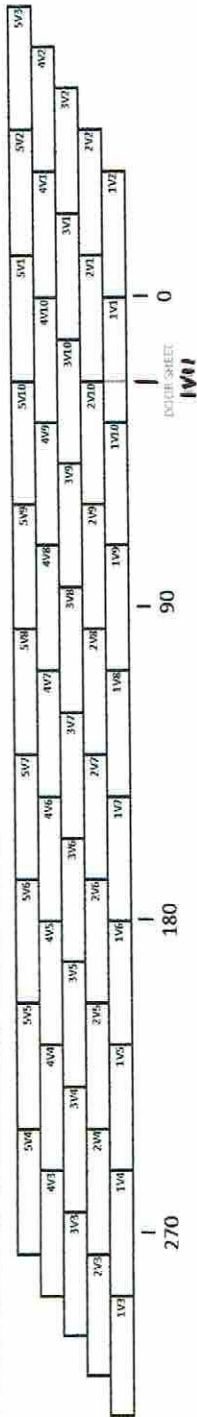
Seam Test Results:

$0^{\circ}-90^{\circ} - \frac{7}{16}, -1\frac{1}{2}, -1\frac{5}{16}, -\frac{3}{8}, -\frac{3}{8}$
 $90^{\circ}-180^{\circ} - \frac{3}{8}, -\frac{1}{4}, -1\frac{7}{8}, +\frac{1}{2}, +\frac{3}{16}, +2$
 $180^{\circ}-270^{\circ} +2\frac{1}{8}, -\frac{7}{8}, -1\frac{7}{8}, -1\frac{1}{16}, -1\frac{5}{8}$
 $270^{\circ}-0^{\circ} -1\frac{5}{8}, -1\frac{7}{8}, -1\frac{1}{16}, -1\frac{5}{8}, -\frac{3}{4}$

STS Representative Signature: [Signature] Date: Aug 29/19

Client Representative Signature: [Signature] Date: Sept 3, 19

Tank #7 Baker Lake (AEM)



NDT TECHNICIAN WILL INITIAL EACH BOX WHEN WELD IS ACCEPTABLE

B ----> BOTTOM OF THE VERT (0-6") M ----> MIDDLE OF THE VERT (45"-51") T ----> TOP OF THE VERT (90"-96")

VERTICAL SEAMS MAPPING UT

1V1	B	M	T	FULL
1V1	UT FULL BECAUSE NOZZLE INTO VERT			
1V2				
1V3				
1V4				
1V5				
1V6	UT FULL BECAUSE NOZZLE INTO VERT			
1V7				
1V8				
1V9				
1V10				
1V11				

3V1	B	T
3V1		
3V2		
3V3		
3V4		
3V5		
3V6		
3V7		
3V8		
3V9		
3V10		

4V1	B	T
4V1		
4V2		
4V3		
4V4		
4V5		
4V6		
4V7		
4V8		
4V9		
4V10		

5V1	B	T
5V1		
5V2		
5V3		
5V4		
5V5		
5V6		
5V7		
5V8		
5V9		
5V10		

HORIZONTAL SEAMS MAPPING UT

H1V2	30"-36"
H1V2	
H1V8	42"-48"
H1V8	
Middle door sheet	

H2V3	24"-30"
H2V3	
H2V9	36"-42"
H2V9	

H3V1	60"-66"
H3V1	
H3V7	42"-48"
H3V7	

H4V5	24"-30"
H4V5	
H4V9	36"-42"
H4V9	

MAG PARTICLE

SHELL MANHOLE 0°	NOZZLE SN3 (x1)
SHELL MANHOLE 0°	
SHELL MANHOLE 90°	NOZZLE SN4 (x1)
SHELL MANHOLE 90°	
SHELL MANHOLE 180°	NOZZLE SN5 (x2)
SHELL MANHOLE 180°	
SHELL MANHOLE 270°	NOZZLE SN6 (x6)
SHELL MANHOLE 270°	

STS Representative Signature: Michael Larenjere Date: Sept 2/19

Client Representative Signature: Sept 2/19 Date: Sept 2/19

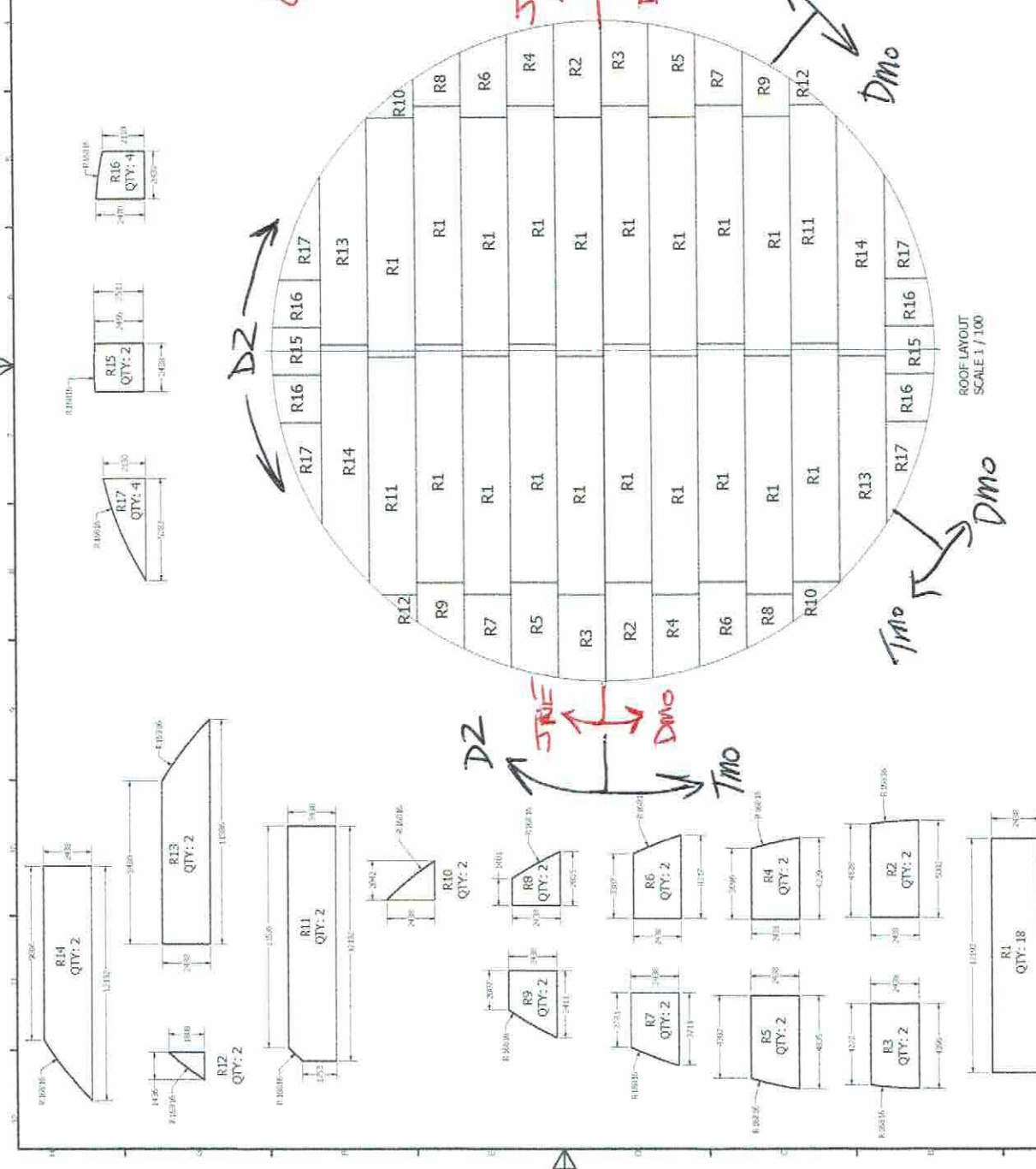
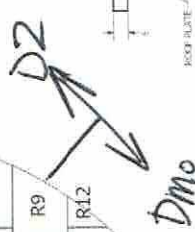
NDT Representative Signature: Sept 2/19 Date: 2019-09-02

MICHAEL LARENJERE
CGSB 43942 MT-PT-UT
LEVEL II INSPECTOR
CERT# 12977

ITEM	QTY	DESCRIPTION	MOEUL	UNIT WT (LBS)	TOT WT (LBS)
R1	18	18 6.25 X 24.00 X 12.50	680.216.25M	1451	26118
R2	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R3	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R4	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R5	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R6	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R7	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R8	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R9	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R10	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R11	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R12	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R13	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R14	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R15	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R16	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R17	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R18	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R19	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R20	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R21	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R22	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R23	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R24	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R25	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R26	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R27	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R28	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R29	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R30	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R31	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R32	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R33	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R34	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R35	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R36	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R37	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R38	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R39	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R40	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R41	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R42	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R43	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R44	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R45	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R46	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R47	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R48	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R49	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R50	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R51	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R52	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R53	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R54	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R55	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R56	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R57	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R58	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R59	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R60	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R61	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R62	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R63	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R64	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R65	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R66	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R67	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R68	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R69	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R70	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R71	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R72	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R73	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R74	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R75	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R76	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R77	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R78	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R79	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R80	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R81	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R82	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R83	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R84	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R85	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R86	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R87	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R88	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R89	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R90	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R91	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R92	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R93	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R94	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R95	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R96	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R97	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R98	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R99	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902
R100	2	18 6.25 X 24.00 X 12.50	680.216.25M	1451	2902

COMPRESSION RING
TOPSIDE

COMPRESSION RING
OVER HEAD



ROOF LAYOUT
SCALE 1 / 100

REV	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION	2/1/2018

ROOF LAYOUT	
NO. OF SHEETS	3
SHEET NO.	1
PROJECT	BAKER LAKE WHALE TAIL PROJECT FLOOR AND ROOF LAYOUT FOR 10000000 TANK
DESIGNER	A1
CHECKED	315-M1
DATE	2/1/2018

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/64)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	6 (3/16)
> 25 (1)	5 (5/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): August 19/19

Tested by: MATT MACKENZIE

Ambient Conditions: 10°

Items Tested:

COMPRESSION RING WELD

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Aug 19/19

Client Representative Signature: [Signature] Date: August 20/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	6 (3/16)
> 25 (1)	6 (5/16)	6 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 25/19

Tested by: MATI MACKENZIE

Ambient Conditions: 12°

Items Tested:

ROOF WELDS

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Aug 25/19

Client Representative Signature: [Signature] Date: Aug 28/19

QUALITY CONTROL MANUAL

Exhibit 15, Rev 1

VACUUM BOX TEST REPORT – ROOF PLATE WELDS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TANK 7

Equipment Type:

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(A vacuum box/soap solution test for roof plate weld seams is required for new construction or major alterations, no visible leaks should be observed)

Test Solution: Water / Snoop

Ambient Conditions: 10°

Test Date(s): AUGUST 28/19

Surface Condition: CLEAN

Tested by: MATT MACKENZIE

Surface Test Temperature:

Pressure Gauge:

Items Tested:

ROOF PLATES WELDS

Results:

NO LEAK DETECTED

STS Representative Signature: [Signature] Date: Aug 28/19

Client Representative Signature: [Signature] Date: Sept 7, 19

QUALITY CONTROL MANUAL

Exhibit 19, Rev 1

DIMENSIONAL CHECK REPORT – PLUMBNESS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(The tank shell will be checked for plumb at 12" below the tank roof. Plumb measurements will be checked at 45 degree intervals or less, max. 20' spacing)

Test Date(s): Aug 26/19

Tested by: MATT MACKENZIE

Test Results:

The Maximum out of plumbness of the columns does not exceed 1/200 of the total
height

STS Representative Signature:

[Signature]

Date:

Aug 26/19

Client Representative Signature:

[Signature]

Date:

Aug 26/19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- a) There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- b) Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- c) The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- d) The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 26/19

Tested by: MATT MACKENZIE

Ambient Conditions: 12°

Items Tested:

ROOF STRUCTURE FIELD WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Aug 26/19

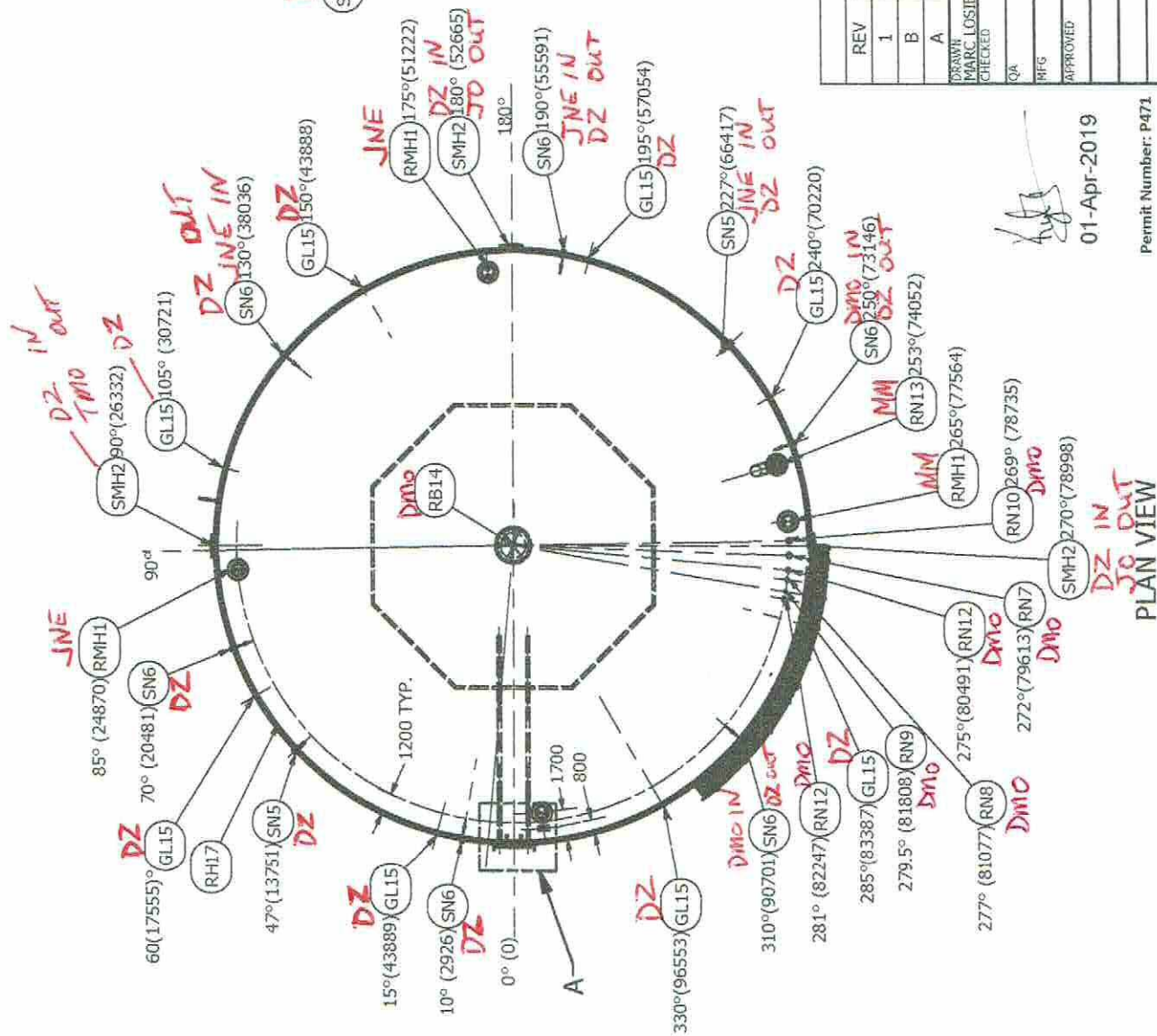
Client Representative Signature: [Signature] Date: August 28/19

Technical drawing of a mechanical part, labeled "DETAIL A" and "SCALE 1/75". The drawing shows a cross-section of a component with various dimensions and callouts. Dimensions include 800, 1100, 400, 411, 6°, 400, and 354°. Callouts include SN3, SB19, RN11, SMH2 0°, DZ, DMC, SN4, RMH1, and RIF16 354° (103614).

DETAIL A
SCALE 1/75

REVISION HISTORY	
REV	DESCRIPTION
1	ISSUED FOR CONSTRUCTION
B	ISSUED FOR REVIEW
A	ISSUED FOR REVIEW

2/19/2019	GENERAL ARRANGEMENT AND NOZZLE LAYOUT			
2/19/2019	TITLE			
2/19/2019	BAKER LAKE WHALE TAIL PROJECT - 10M LITERS - TANK #7: 6170TNK42			
2/19/2019	SIZE	10WG NO	REV	
2/19/2019	A3	315-M6	1	
2/19/2019	SCALE	1/250	SHEET 1 OF 6	



01-Apr-2019

Permit Number: P471

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	8 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 28/19

Tested by: MAT MACKENZIE

Ambient Conditions: 12°

Items Tested:

NOZZLES WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Aug 28/19

Client Representative Signature: [Signature] Date: August 28/19

QUALITY CONTROL MANUAL

Exhibit 31, Rev 1

DIMENSIONAL CHECK REPORT- NOZZLES

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Nozzles (excluding manholes) shall be installed within the following tolerances:

- a) specified projection from outside of tank shell to extreme face of flange: ± 5 mm (3/16 in.);
- b) elevation of shell nozzle or radial location of a roof nozzle: ± 6 mm (1/4 in.);
- c) flange tilt in any plane, measured on the flange face:
 $\pm 1/2$ degree for nozzles greater than NPS 12 in. nominal diameter,
 ± 3 mm (1/8 in.) at the outside flange diameter for nozzles NPS 12 and smaller;
- d) flange bolt hole orientation: ± 3 mm (1/8 in.).)

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Test Results:

ALL NOZZLES ARE WITHIN TOLERANCES

STS Representative Signature: _____

Date: Sept 2/19

Client Representative Signature: _____

Date: Sept 3, 19

QUALITY CONTROL MANUAL

Exhibit 12, Rev 1

AIR TEST REPORT – NOZZLE REINFORCEMENT PLATE WELDS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TANK 7

Equipment Type:

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(An air pressure/soap solution test for nozzle reinforcement plate weld seams is required for new construction or major alterations, no visible leaks should be observed)

Test Pressure: 100 kPa (15 psi)

Surface Condition (As Welded, Painted, Blasted)

Test Solution: Water / Snoop:

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Pressure Gauge:

Ambient Conditions: 7°

Items Tested:

SHELL NOZZLES

Results:

NO LEAKS WERE DETECTED AT THE TIME OF THE INSPECTION

STS Representative Signature: [Signature]

Date: Sept 2/19

Client Representative Signature: [Signature]

Date: Sept 3, 19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (5/16)
> 25 (1)	5 (5/16)	8 (5/8)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 28/19

Tested by: Matt Mackenzie

Ambient Conditions: 12°

Items Tested:

MANWAY WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Aug 28/19.

Client Representative Signature: [Signature] Date: August 28/19

QUALITY CONTROL MANUAL

Exhibit 32, Rev 1

DIMENSIONAL CHECK REPORT- MANWAYS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TK 7

Equipment Type: DIESEL STORAGE TANK

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(Manholes shall be installed within the following tolerances:

- a) specified projection from outside of shell to extreme face of flange, ± 13 mm (1/2 in.)
- b) elevation and angular location, ± 13 mm (1/2 in.)
- c) flange tilt in any plane, measured across the flange diameter, ± 13 mm (1/2 in.)

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Test Results:

ALL MANWAYS ARE WITHIN TOLERANCES

STS Representative Signature:

[Signature]

Date:

Sept 2/19

Client Representative Signature:

[Signature]

Date:

Sept 3, 19

QUALITY CONTROL MANUAL

Exhibit 12, Rev 1

AIR TEST REPORT – NOZZLE REINFORCEMENT PLATE WELDS

Customer: AGNICO EAGLE

Location: BAKER LAKE

Equipment Tag No.: TANK 7

Equipment Type:

Equipment Description:

Code Requiring Test: API 650

Reason for Test: New Construction

(An air pressure/soap solution test for nozzle reinforcement plate weld seams is required for new construction or major alterations, no visible leaks should be observed)

Test Pressure: 100 kPa (15 psi)

Surface Condition (As Welded, Painted, Blasted)

Test Solution: Water / Snoop:

Test Date(s): Sept 2/19

Tested by: Matt MacKenzie

Pressure Gauge:

Ambient Conditions: 7°

Items Tested:

SHELL MANWAYS

Results:

NO LEAKS WERE DETECTED AT THE TIME OF THE INSPECTION

STS Representative Signature: [Signature]

Date: Sept 2/19.

Client Representative Signature: [Signature]

Date: Sept 3, 19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (3/8)
> 13 (1/2) to 25 (1)	3 (3/8)	5 (3/16)
> 25 (1)	5 (3/8)	6 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 28/19

Tested by: *Nat Mackenzie*

Ambient Conditions: 12°

Items Tested:

INTERNALS WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: *[Signature]* Date: *Aug 28/19*

Client Representative Signature: *[Signature]* Date: *Aug. 28/19*

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	5 (3/16)
> 25 (1)	5 (3/16)	6 (1/4)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Sept 2/19

Tested by: Nat MacKenzie

Ambient Conditions: 7°

Items Tested:

EXTERNALS/ ATTACHEMENTS WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

STS Representative Signature: [Signature] Date: Sept 2/19.

Client Representative Signature: [Signature] Date: Sept 3, 19

QUALITY CONTROL MANUAL

Exhibit 26, Rev 1

VISUAL TEST REPORT

Customer: AGNICO EAGLE

Location: BAKER LAKE

Code Requiring Test: API 650 (section 8.5.2)

Reason for Test: New Construction

A weld shall be acceptable by visual examination if the inspection shows the following.

- There are no crater cracks, other surface cracks or arc strikes in or adjacent to the welded joints.
- Maximum permissible undercut is 0.4 mm (1/64 in.) in depth for vertical butt joints, vertically oriented permanent attachments, attachment welds for nozzles, manholes, flush-type openings, and the inside shell-to-bottom welds. For horizontal butt joints, horizontally oriented permanent attachments, and annular-ring butt joints, the maximum permissible undercut is 0.8 mm (1/32 in.) in depth.
- The frequency of surface porosity in the weld does not exceed one cluster (one or more pores) in any 100 mm (4 in.) of length, and the diameter of each cluster does not exceed 2.5 mm (3/32 in.).
- The reinforcement of the welds on all thicknesses:

Plate Thickness mm (in.)	Maximum Reinforcement Thickness mm (in.)	
	Vertical Joints	Horizontal Joints
≤ 13 (1/2)	2.5 (3/32)	3 (1/8)
> 13 (1/2) to 25 (1)	3 (1/8)	3 (3/16)
> 25 (1)	5 (5/16)	5 (1/2)

Surface Condition (As Welded)

Test Solution: N/A

Test Date(s): Aug 29/19

Tested by: NAT MACKENZIE

Ambient Conditions: 10°

Items Tested:

STAIRS AND PLATFORMS WELDS.

Results:

NO DEFECTS WERE FOUND. ALL WELDING ACCEPTABLE

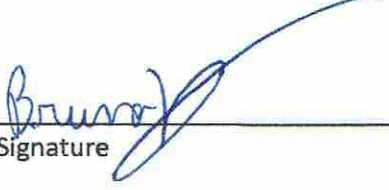
STS Representative Signature: [Signature] Date: Aug 29/19

Client Representative Signature: [Signature] Date: Sept 3, 19

QUALITY CONTROL MANUAL **DEFICIENCY PUNCH LIST RECORD**

Exhibit 29, Rev 1

Project: AEM, BAKER LAKE		Project No.: Inukshuk Construction -1	Tank Tag: Tk-7 Date: <u>Sept 4/19</u>	
Item No.	Drawing No.	Deficiency	Date Completed	Sign Off
1		Internal piping Torque.	Sept 4/19.	B.D.✓
2		Clean up rocks inside tank.	Sept 4/19.	B.D.✓
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Matthew MacKenzie STORAGE TANK SOLUTIONS	 Signature	<u>Sept 4/19.</u> Date:
<u>BRUNO ROY</u> Agnico Eagle Representative	 Signature	<u>Sept 4/19</u> Date:



Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

Page 1 de/of 6

INSP. VISUELLE	☐	MAGNÉTOSCOPIE	☒	RESSUAGE	☐	ULTRASONS	☐
VISUAL INSP.		MAGNETIC PARTICLES		LIQUID PENETRANT		ULTRASONIC	
DESCRIPTION :							
BAKER LAKE WHALE TAIL PROJECT – 10M LITERS TANK #7 (6170TNK42)							
Magnetic particles test on all shell openings (nozzles, manways and reinforcement pads) on the tank, in accordance of API 650.							
Reference Drawing No: 315-M6 Rev 1 (6 sheets) & 315-M10 Rev							
INSP. VISUELLE / VISUAL INSP.	NORME : SPECIFICATION :			N° équip. : Equip. no :			
MAGNÉTOSCOPIE	NORME : SPECIFICATION :			N° équip. : Equip. no :			
MAGNETIC PARTICLES	API 650 & ASME Section V article 7			MPTR38			
Ampérage :	Culasse/Yoke	Continue	☒	Résiduelle	☐	Humide	☐
Amperage :		Continuous		Residual		Wet	
Longitudinale	☒	Circulaire	☐	C.A.	☒	C.C.	☐
Longitudinal		Circular		A.C.		D.C.	
RESSUAGE	NORME : SPECIFICATION :			N° équip. : Equip. no :			
LIQUID PENETRANT							
Pénétrant/Penetrant :	Émulsifiant/Emulsifier :			Révéléateur/Developer :			
Temps/Time :	Temps/Time :			Temps/Time :			
ULTRASONS / ULTRASONIC	NORME : SPECIFICATION :						
ÉTALONNAGE/CALIBRATION :							
Bloc/Block :	Trou/Hole :			C.A.D. /D.A.C. :			
APPAREIL/EQUIPMENT :							
Instrument :	Couplant :			Échelle/Sweep length :			
N° équip./Equip. no :	Palpeur/Transducer :						
RÉSULTATS/RESULTS :							
After inspection, all the openings components welds were found acceptable as the standard.							
See the result details as described in the table below and the photos attached							
Note: Visual inspection was performed by client.							
Techniciens :	Assistants:			Approuvé par :			
Technicians :				Approved by :			
Michael Lafreniere				CSA W178.2			
CSA W178.2 Level II							
CGSB 48.9712 UT-MT-PT Level II							

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Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

MAGNETIC PARTICULES INSPECTION TANK-- RESULT TABLE				
SHELL OPENING PART #	DEGREE LOCATION	INSPECTION WELDS	MT RESULTS	
			INSIDE	OUTSIDE
Manway SMH2	0	Circular / Reinforced pad / Seam	Accepted	Accepted
Nozzle SN3	3 (approx.)	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN6	10	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN5	47	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN6	70	Circular / Reinforced pad	Accepted	Accepted
Manway SMH2	90	Circular / Reinforced pad / Seam	Accepted	Accepted
Nozzle SN6	130	Circular / Reinforced pad	Accepted	Accepted
Manway SMH2	180	Circular / Reinforced pad / Seam	Accepted	Accepted
Nozzle SN6	190	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN5	227	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN6	250	Circular / Reinforced pad	Accepted	Accepted
Manway SMH2	270	Circular / Reinforced pad / Seam	Accepted	Accepted
Nozzle SN6	310	Circular / Reinforced pad	Accepted	Accepted
Nozzle SN4	357(approx.)	Circular / Reinforced pad	Accepted	Accepted*

*Accepted after a grinding of surface indication.

Note: Location degree are taken as the reference drawing No: 315-M6 Rev 1 (sheet 1)

Techniciens :	Michael Lafreniere	Assistants:	Approuvé par :
Technicians :	CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II		Approved by :
			CSA W178.2

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Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

O degree located on
center Manway and
turn clockwise



Photo #1:

Overview

Baker lake whale tail project – 10m liters tank #7

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II	Assistants:	Approuvé par : Approved by :	CSA W178.2
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Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	



Photo #2: Manway (0 degree)
Nozzles SN3 (3degree) & SN4 (357 degree)



Photo #3: Nozzle SN6 (10 degree)



Photo #4: Nozzle SN5 (47 degree)



Photo #5: Nozzle SN6 (70 degree)



Photo #6: Manway (90 degree)



Photo #7: Nozzle SN6 (130 degree)

Techniciens :	Michael Lafreniere	Assistants:		Approuvé par :	
Technicians :	CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II			Approved by :	
					CSA W178.2

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Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	



Photo #8: Manway (180 degree)



Photo #9: Nozzle SN6 (190 degree)



Photo #10: Nozzle SN5 (227 degree)



Photo #11: Nozzle SN6 (250 degree)



Photo #12: Manway (270 degree)



Photo #13: Nozzle SN6 (310 degree)

Techniciens :	Michael Lafreniere	Assistants:		Approuvé par :	
Technicians :				Approved by :	
	CSA W178.2 Level II				
	CGSB 48.9712 UT-MT-PT Level II				CSA W178.2

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Client :	Inukshuk Construction Ltd.	Date d'intervention : Intervention date :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Date du rapport : Report date :	2019-09-02
Contact :	Marc Losier	N° dossier : File no :	00197
Entrepreneur : Contractor :	Storage Tank Solutions	Commande : Order :	
Endroit du travail : Job location :	Baker Lake, Nunavut		

Page 1 de/of 7

INSP. VISUELLE VISUAL INSP.	☐	MAGNÉTOSCOPIE MAGNETIC PARTICLES	☐	RESSUAGE LIQUID PENETRANT	☐	ULTRASONS ULTRASONIC	☒
DESCRIPTION : BAKER LAKE WHALE TAIL PROJECT – 10M LITERS TANK #7 (6170TNK42) Ultrasonic inspection on butt joints tank in accordance of API 650. Reference Drawing No: 315-M6 Rev 1 (6 sheets) & 315-M10 Rev							
INSP. VISUELLE / VISUAL INSP.		NORME : SPECIFICATION :		N° équip. : Equip. no :			
MAGNÉTOSCOPIE MAGNETIC PARTICLES		NORME : SPECIFICATION :		N° équip. : Equip. no :			
Ampérage : Culasse/Yoke		Continue		Humide		Sèche	
Amperage : Longitudinale		Continuouse		Wet		Dry	
Longitudinal ☐		Circulaire		C.C.		Démagnétisée	
		Circular ☐		D.C.		Demagnetized ☐	
RESSUAGE LIQUID PENETRANT		NORME : SPECIFICATION :		N° équip. : Equip. no :			
Pénétrant/Penetrant :		Émulsifiant/Emulsifier :		Révélateur/Developer :			
Temps/Time :		Temps/Time :		Temps/Time :			
ULTRASONS / ULTRASONIC		NORME : SPECIFICATION :		N° équip. : Equip. no :			
ÉTALONNAGE/CALIBRATION :		API 650 & ASME Section V article 4					
Bloc/Block : IIW & ASME 19mm		Trou/Hole : 3/32		C.A.D. /D.A.C. :		☒	
APPAREIL/EQUIPMENT :		Couplant : Echogel		Échelle/Sweep length : 0-150mm			
Instrument : GE USM Go		Palpeur/Transducer : 0 degree, 1/2"Ø, 2.25Mhz & 70 Ø, 0.75 X0.625", 2.25Mhz					
N° équip./Equip. no : UT-42							
RÉSULTATS/RESULTS : TANK SPECIFICATIONS : ➤ Circumferential length: 105.332 m ➤ Height for each ring level: 2438 mm ➤ Plate thickness ring level 1 (bottom): 12.5 mm ➤ Plate thickness ring level 2: 9.5 mm ➤ Plate thickness ring level 3: 7.9 mm ➤ Plate thickness ring level 4: 7.9 mm ➤ Plate thickness ring level 5 (top): 6.4 mm After ultrasonic inspection, repairs of 3 spots and a re-inspection of these repairs, all the 112 spots were found acceptable as the standard. For more details, see the result as described in the table below and the photos attached Note: Visual inspection was performed by client. The client takes the responsibility to process the inspections with manual ultrasonic test in lieu of radiographic test as describe in API 650 annex U							
Techniciens : Technicians :		Assistants:		Approuvé par : Approved by :			
Michael Lafreniere							
CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II						CSA W178.2	

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Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

ULTRASONIC INSPECTION TANK-- RESULT TABLE		
LOCALISATION	QUANTITY OF SPOTS	ULTRASONIC RESULTS
Intersections (T) weld all rings level (150mm vertical & 100mm horizontal)	80 T spots (All intersections between the 5 rings)	Accepted After 3 repairs accepted R-1*
Vertical welds ring level 1 (150mm vertical)	10 spots from bottom (0-150mm) 10 spots in the middle (1143 to 1296mm) 2 full welds inspected The vertical welds 1V1 (position at 0) and 1V6 (position at 180) were 100% inspected due manways crossing	Accepted
Horizontal welds all rings level (150mm horizontal)	8 spots (2 random spots between each rings level)	Accepted
Door plate ring level 1 (1V11) (T intersection 150 x 100mm) Middle 150mm vertical Middle 150mm horizontal)	1 T spot 1 spot vertical from bottom (0-150mm) 1 spot vertical in the middle (1143 to 1296mm) 1 spot horizontal in the middle (1220 to 1370mm)	Accepted

*The repair spots requirements extensions were accomplished according to API 650 article 8.1.6.

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II	Assistants:		Approuvé par : Approved by :	CSA W178.2
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Client :	Inukshuk Construction Ltd.	Date d'intervention :	2019-08-30 to 2019-09-03
Adresse/Address :	1869 Upper Water St, Halifax, NS, B3J 1S9	Intervention date :	
Contact :	Marc Losier	Date du rapport :	2019-09-02
Entrepreneur :	Storage Tank Solutions	Report date :	
Contractor :		N° dossier :	00197
Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

O degree located on
center Manway and
turn clockwise



Photo #1:

Overview

Baker lake whale tail project – 10m liters tank #7

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II	Assistants:		Approuvé par : Approved by :	
					CSA W178.2

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TYPICAL SPOT LOCATIONS AND DIMENSIONS



Photo #2:
Typical vertical spot from bottom
(0-150mm)

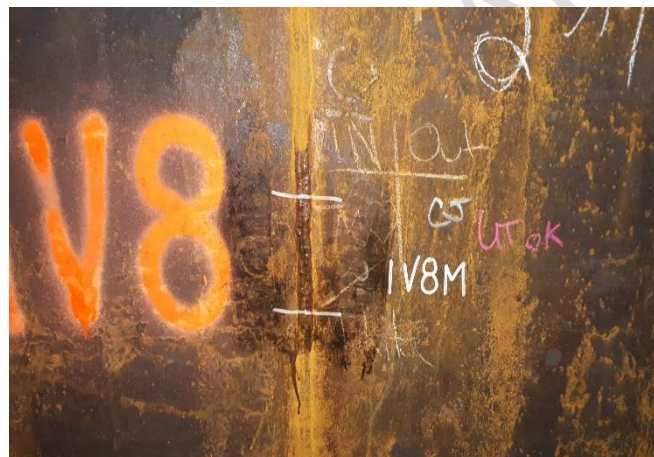


Photo #3:
Typical vertical spot in the middle
(1143 to 1296mm)

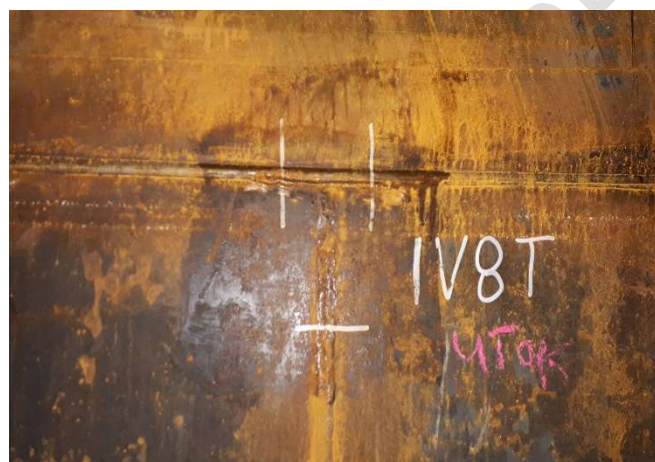


Photo #4:
Typical intersection T spot
(150mm vertical & 100mm horizontal)



Photo #5:
Typical horizontal spot
(150mm length)

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II	Assistants:	Approuvé par : Approved by :	CSA W178.2
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Job location :		Commande :	
		Order :	

ULTRASONIC REJECTABLE DEFECTS LOCATION



Photo #6:
Lack of fusion found
T intersection ring level 4 - plate 1 - Top horizontal position

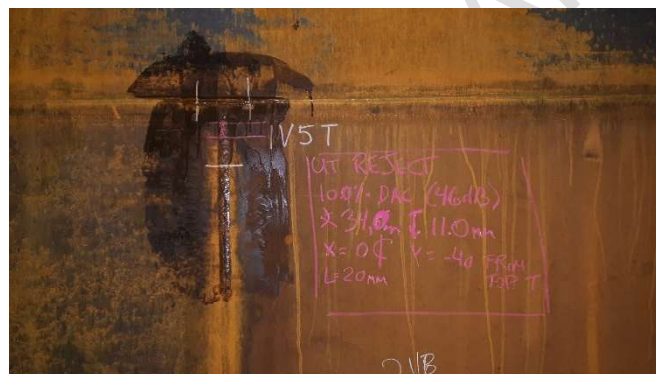


Photo #7:
Lack of fusion found
T intersection ring level 1 - plate 5 - Top vertical position

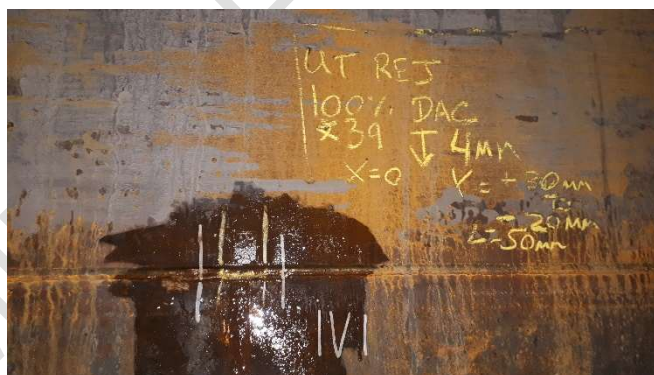


Photo 8:
Lack of fusion found
T intersection ring level 1 - plate 1 - Top horizontal position

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II	Assistants:	Approuvé par : Approved by :	CSA W178.2
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Endroit du travail :	Baker Lake, Nunavut	File no :	
Job location :		Commande :	
		Order :	

ASME RESULT DETAILS

Line #	Indication #	Plate thickness (mm)	Angle	Face	Half-Skip#	Amplitude level compared to the CAD (%)	Length (mm)	Angular distance (mm)	Depth	Distance		Type	Evaluation	Remark
										From X (mm)	From Y (mm)			
1	1	6.4 to 7.9	70	A (top)	2	100% CAD	100	41	2	-8	-50 to +50 from top T	LOF*	REJ	Locate at the T intersection Ring level 4 Plate 1 Top horizontal position ACCEPTED R-1
2	1	9.5 to 12.5	70	B (Right)	2	100% CAD	20	34	11	0	-40 from top T	LOF*	REJ	Locate at the T intersection Ring level 1 Plate 5 Top vertical position ACCEPTED R-1
3	1	9.5 to 12.5	70	A (top)	2	100% CAD	50	39	4	0	-20 to +30 from top T	IRF**	REJ	Locate at the T intersection Ring level 1 Plate 1 Top vertical position ACCEPTED R-1

*LOF: Lack of fusion

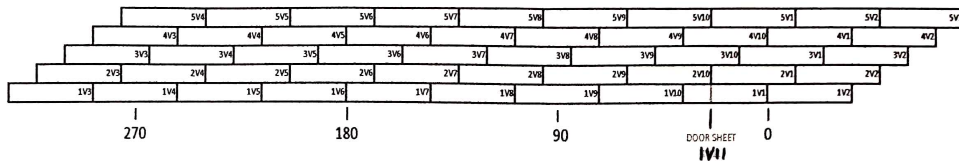
**IRF: Incomplete root fusion

Techniciens :	Michael Lafreniere	Assistants:		Approuvé par :	
Technicians :	CSA W178.2 Level II CGSB 48.9712 UT-MT-PT Level II			Approved by :	CSA W178.2

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Job location :		Commande :	
		Order :	

Tank #7 Baker Lake (AEM)



NDT TECHNICIAN WILL INITIAL EACH BOX WHEN WELD IS ACCEPTABLE

B → BOTTOM OF THE VERT (0-6") M → MIDDLE OF THE VERT (45"-51") T → TOP OF THE VERT (90"-96")

VERTICAL SEAMS MAPPING UT

	B	M	T	FULL
1V1	UT FULL BECAUSE NOZZLE INTO VERT			///
1V2	///	///	///	
1V3	///	///	///	
1V4	///	///	///	
1V5	///	///	///	
1V6	UT FULL BECAUSE NOZZLE INTO VERT			///
1V7	///	///	///	
1V8	///	///	///	
1V9	///	///	///	
1V10	///	///	///	
IVII	///	///	///	

	B	T
2V1	///	///
2V2	///	///
2V3	///	///
2V4	///	///
2V5	///	///
2V6	///	///
2V7	///	///
2V8	///	///
2V9	///	///
2V10	///	///

	B	T
3V1	///	///
3V2	///	///
3V3	///	///
3V4	///	///
3V5	///	///
3V6	///	///
3V7	///	///
3V8	///	///
3V9	///	///
3V10	///	///

	B	T
4V1	///	///
4V2	///	///
4V3	///	///
4V4	///	///
4V5	///	///
4V6	///	///
4V7	///	///
4V8	///	///
4V9	///	///
4V10	///	///

	B	T
5V1	///	N/A
5V2	///	N/A
5V3	///	N/A
5V4	///	N/A
5V5	///	N/A
5V6	///	N/A
5V7	///	N/A
5V8	///	N/A
5V9	///	N/A
5V10	///	N/A

HORIZONTAL SEAMS MAPPING UT

H1V2 30"-36"	///
H1V8 42"-48"	///
Middle door sheet	///

H2V3 24"-30"	///
H2V9 36"-42"	///

H3V1 60"-66"	///
H3V7 42"-48"	///

H4V5 24"-30"	///
H4V9 36"-42"	///

MAG PARTICLE

SHELL MANHOLE 0°	///
SHELL MANHOLE 90°	///
SHELL MANHOLE 180°	///
SHELL MANHOLE 270°	///

SHELL MANHOLE NECK (SEAM) 0°	///
SHELL MANHOLE NECK (SEAM) 90°	///
SHELL MANHOLE NECK (SEAM) 180°	///
SHELL MANHOLE NECK (SEAM) 270°	///

NOZZLE SN3 (x1)	///
NOZZLE SN4 (x1)	///
NOZZLE SN5 (x2)	///
NOZZLE SN6 (x6)	///

STS Representative Signature: <i>[Signature]</i>	Date: Sept 2/19
Client Representative Signature: <i>[Signature]</i>	Date: Sept 2/19
NDT Representative Signature: <i>[Signature]</i>	Date: 2019-09-02

MICHAEL LAFRENIERE
CGSB 48.972 MT-PT-UT
LEVEL II INSPECTOR
CERT# 12977

CLIENT QUALITY INSPECTION PLAN

Techniciens : Technicians :	Michael Lafreniere CSA W178.2 Level II CGSB 48.972 UT-MT-PT Level II	Assistants:	Approuvé par : Approved by :	CSA W178.2
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AGNICO EAGLE BAKER LAKE

Baker Lake, Nunavut, Canada

Tank No. 7

INNAGE TABLE

	0 M	cm	1 M	cm	2 M	cm	3 M	cm	4 M	cm	5 M	cm	6 M	cm	7 M	cm	8 M	cm	9M
M O N I T O R	15.918	0.00	886.949	0.00	1,767.881	0.00	2,648.794	0.00	3,529.774	0.00	4,410.887	0.00	5,292.323	0.00	6,173.759	0.00	7,055.489	0.00	7,937.265
	22.215	0.01	895.762	0.01	1,776.689	0.01	2,657.603	0.01	3,538.584	0.01	4,419.702	0.01	5,301.138	0.01	6,182.574	0.01	7,064.307	0.01	7,946.083
	28.512	0.02	904.575	0.02	1,785.496	0.02	2,666.413	0.02	3,547.393	0.02	4,428.516	0.02	5,309.952	0.02	6,191.388	0.02	7,073.124	0.02	7,954.901
	35.930	0.03	913.388	0.03	1,794.303	0.03	2,675.223	0.03	3,556.203	0.03	4,437.330	0.03	5,318.766	0.03	6,200.202	0.03	7,081.942	0.03	7,963.719
	43.349	0.04	922.201	0.04	1,803.111	0.04	2,684.033	0.04	3,565.013	0.04	4,446.145	0.04	5,327.581	0.04	6,209.017	0.04	7,090.760	0.04	7,972.536
	51.419	0.05	931.014	0.05	1,811.918	0.05	2,692.843	0.05	3,573.823	0.05	4,454.959	0.05	5,336.395	0.05	6,217.831	0.05	7,099.578	0.05	7,981.354
	59.490	0.06	939.827	0.06	1,820.726	0.06	2,701.652	0.06	3,582.633	0.06	4,463.773	0.06	5,345.209	0.06	6,226.645	0.06	7,108.395	0.06	7,990.172
	68.031	0.07	948.640	0.07	1,829.533	0.07	2,710.462	0.07	3,591.442	0.07	4,472.588	0.07	5,354.024	0.07	6,235.460	0.07	7,117.213	0.07	7,998.990
	76.573	0.08	957.454	0.08	1,838.340	0.08	2,719.272	0.08	3,600.252	0.08	4,481.402	0.08	5,362.838	0.08	6,244.274	0.08	7,126.031	0.08	8,007.807
	85.330	0.09	966.267	0.09	1,847.148	0.09	2,728.082	0.09	3,609.062	0.09	4,490.217	0.09	5,371.652	0.09	6,253.088	0.09	7,134.849	0.09	8,016.625
94.088	0.10	975.080	0.10	1,855.955	0.10	2,736.892	0.10	3,617.872	0.10	4,499.031	0.10	5,380.467	0.10	6,261.903	0.10	7,143.666	0.10	8,025.443	
102.893	0.11	983.893	0.11	1,864.762	0.11	2,745.701	0.11	3,626.682	0.11	4,507.845	0.11	5,389.281	0.11	6,270.717	0.11	7,152.484	0.11	8,034.261	
111.699	0.12	992.706	0.12	1,873.570	0.12	2,754.511	0.12	3,635.491	0.12	4,516.660	0.12	5,398.096	0.12	6,279.531	0.12	7,161.302	0.12	8,043.078	
120.503	0.13	1,001.519	0.13	1,882.377	0.13	2,763.321	0.13	3,644.301	0.13	4,525.474	0.13	5,406.910	0.13	6,288.346	0.13	7,170.120	0.13	8,051.896	
129.307	0.14	1,010.332	0.14	1,891.184	0.14	2,772.131	0.14	3,653.111	0.14	4,534.288	0.14	5,415.724	0.14	6,297.162	0.14	7,178.937	0.14	8,060.714	
138.109	0.15	1,019.145	0.15	1,899.992	0.15	2,780.941	0.15	3,661.921	0.15	4,543.103	0.15	5,424.539	0.15	6,305.979	0.15	7,187.755	0.15	8,069.532	
146.911	0.16	1,027.958	0.16	1,908.799	0.16	2,789.750	0.16	3,670.731	0.16	4,551.917	0.16	5,433.353	0.16	6,314.797	0.16	7,196.573	0.16	8,078.349	
155.712	0.17	1,036.771	0.17	1,917.606	0.17	2,798.560	0.17	3,679.540	0.17	4,560.731	0.17	5,442.167	0.17	6,323.614	0.17	7,205.391	0.17	8,087.167	
164.514	0.18	1,045.584	0.18	1,926.414	0.18	2,807.370	0.18	3,688.350	0.18	4,569.546	0.18	5,450.982	0.18	6,332.432	0.18	7,214.209	0.18	8,095.985	
173.316	0.19	1,054.397	0.19	1,935.221	0.19	2,816.180	0.19	3,697.160	0.19	4,578.360	0.19	5,459.796	0.19	6,341.250	0.19	7,223.026	0.19	8,104.803	
182.118	0.20	1,063.210	0.20	1,944.028	0.20	2,824.990	0.20	3,705.970	0.20	4,587.175	0.20	5,468.610	0.20	6,350.068	0.20	7,231.844	0.20	8,113.621	
190.920	0.21	1,072.023	0.21	1,952.836	0.21	2,833.799	0.21	3,714.780	0.21	4,595.989	0.21	5,477.425	0.21	6,358.885	0.21	7,240.662	0.21	8,122.438	
199.721	0.22	1,080.836	0.22	1,961.643	0.22	2,842.609	0.22	3,723.589	0.22	4,604.803	0.22	5,486.239	0.22	6,367.703	0.22	7,249.480	0.22	8,131.256	
208.523	0.23	1,089.649	0.23	1,970.450	0.23	2,851.419	0.23	3,732.399	0.23	4,613.618	0.23	5,495.054	0.23	6,376.521	0.23	7,258.297	0.23	8,140.074	
217.324	0.24	1,098.462	0.24	1,979.258	0.24	2,860.229	0.24	3,741.209	0.24	4,622.432	0.24	5,503.868	0.24	6,385.339	0.24	7,267.115	0.24	8,148.892	
226.125	0.25	1,107.275	0.25	1,988.065	0.25	2,869.039	0.25	3,750.019	0.25	4,631.246	0.25	5,512.682	0.25	6,394.156	0.25	7,275.933	0.25	8,157.709	
234.926	0.26	1,116.088	0.26	1,996.872	0.26	2,877.848	0.26	3,758.829	0.26	4,640.061	0.26	5,521.497	0.26	6,402.974	0.26	7,284.751	0.26	8,166.527	
243.727	0.27	1,124.901	0.27	2,005.680	0.27	2,886.658	0.27	3,767.638	0.27	4,648.875	0.27	5,530.311	0.27	6,411.792	0.27	7,293.568	0.27	8,175.345	
252.529	0.28	1,133.714	0.28	2,014.489	0.28	2,895.468	0.28	3,776.448	0.28	4,657.689	0.28	5,539.125	0.28	6,420.610	0.28	7,302.386	0.28	8,184.163	
261.330	0.29	1,142.527	0.29	2,023.298	0.29	2,904.278	0.29	3,785.258	0.29	4,666.504	0.29	5,547.940	0.29	6,429.428	0.29	7,311.204	0.29	8,192.980	
270.135	0.30	1,151.340	0.30	2,032.107	0.30	2,913.088	0.30	3,794.068	0.30	4,675.318	0.30	5,556.754	0.30	6,438.245	0.30	7,320.022	0.30	8,201.798	
278.940	0.31	1,160.153	0.31	2,040.917	0.31	2,921.897	0.31	3,802.878	0.31	4,684.132	0.31	5,565.568	0.31	6,447.063	0.31	7,328.839	0.31	8,210.616	
287.747	0.32	1,168.966	0.32	2,049.727	0.32	2,930.707	0.32	3,811.687	0.32	4,692.947	0.32	5,574.383	0.32	6,455.881	0.32	7,337.657	0.32	8,219.434	
296.555	0.33	1,177.779	0.33	2,058.537	0.33	2,939.517	0.33	3,820.497	0.33	4,701.761	0.33	5,583.197	0.33	6,464.699	0.33	7,346.475	0.33	8,228.251	
305.362	0.34	1,186.592	0.34	2,067.347	0.34	2,948.327	0.34	3,829.307	0.34	4,710.576	0.34	5,592.011	0.34	6,473.516	0.34	7,355.293	0.34	8,237.069	
314.169	0.35	1,195.404	0.35	2,076.156	0.35	2,957.137	0.35	3,838.117	0.35	4,719.390	0.35	5,600.826	0.35	6,482.334	0.35	7,364.111	0.35	8,245.887	
322.977	0.36	1,204.211	0.36	2,084.966	0.36	2,965.946	0.36	3,846.927	0.36	4,728.204	0.36	5,609.640	0.36	6,491.152	0.36	7,372.928	0.36	8,254.705	
331.784	0.37	1,213.018	0.37	2,093.776	0.37	2,974.756	0.37	3,855.736	0.37	4,737.019	0.37	5,618.455	0.37	6,499.970	0.37	7,381.746	0.37	8,263.523	
340.592	0.38	1,221.826	0.38	2,102.586	0.38	2,983.566	0.38	3,864.546	0.38	4,745.833	0.38	5,627.269	0.38	6,508.787	0.38	7,390.564	0.38	8,272.340	
349.399	0.39	1,230.633	0.39	2,111.396	0.39	2,992.376	0.39	3,873.356	0.39	4,754.647	0.39	5,636.083	0.39	6,517.605	0.39	7,399.382	0.39	8,281.158	
358.206	0.40	1,239.440	0.40	2,120.205	0.40	3,001.186	0.40	3,882.166	0.40	4,763.462	0.40	5,644.898	0.40	6,526.423	0.40	7,408.199	0.40	8,289.976	
367.014	0.41	1,248.248	0.41	2,129.015	0.41	3,009.995	0.41	3,890.976	0.41	4,772.276	0.41	5,653.712	0.41	6,535.241	0.41	7,417.017	0.41	8,298.794	
375.821	0.42	1,257.055	0.42	2,137.825	0.42	3,018.805	0.42	3,899.786	0.42	4,									

CAPACITIES GIVEN IN CUBIC METERS

GAUGE HEIGHT - 12.555 M

	10 M	cm	11 M	cm	12 M	cm	13 M	cm	14 M	cm	15 M	cm	16 M	cm	17 M	cm	18 M	cm	19 M
0.00	8,819.046	0.00	9,700.832	0.00	10,580.472	0.00		0.00		0.00		0.00		0.00		0.00		0.00	
0.01	8,827.864	0.01	9,709.650	0.01	10,589.290	0.01		0.01		0.01		0.01		0.01		0.01		0.01	
0.02	8,836.682	0.02	9,718.468	0.02	10,598.108	0.02		0.02		0.02		0.02		0.02		0.02		0.02	
0.03	8,845.500	0.03	9,727.286	0.03	10,606.926	0.03		0.03		0.03		0.03		0.03		0.03		0.03	
0.04	8,854.317	0.04	9,736.104	0.04	10,615.744	0.04		0.04		0.04		0.04		0.04		0.04		0.04	
0.05	8,863.135	0.05	9,744.922	0.05	10,624.562	0.05		0.05		0.05		0.05		0.05		0.05		0.05	
0.06	8,871.953	0.06	9,753.740	0.06	10,633.380	0.06		0.06		0.06		0.06		0.06		0.06		0.06	
0.07	8,880.771	0.07	9,762.557	0.07	10,642.198	0.07		0.07		0.07		0.07		0.07		0.07		0.07	
0.08	8,889.589	0.08	9,771.375	0.08	10,651.016	0.08		0.08		0.08		0.08		0.08		0.08		0.08	
0.09	8,898.407	0.09	9,780.193	0.09	10,659.833	0.09		0.09		0.09		0.09		0.09		0.09		0.09	
0.10	8,907.225	0.10	9,789.011	0.10	10,668.651	0.10		0.10		0.10		0.10		0.10		0.10		0.10	
0.11	8,916.042	0.11	9,797.829	0.11	10,677.469	0.11		0.11		0.11		0.11		0.11		0.11		0.11	
0.12	8,924.860	0.12	9,806.647	0.12	10,681.932	0.12		0.12		0.12		0.12		0.12		0.12		0.12	
0.13	8,933.678	0.13	9,815.465	0.13		0.13		0.13		0.13		0.13		0.13		0.13		0.13	
0.14	8,942.496	0.14	9,824.283	0.14		0.14		0.14		0.14		0.14		0.14		0.14		0.14	
0.15	8,951.314	0.15	9,833.100	0.15		0.15		0.15		0.15		0.15		0.15		0.15		0.15	
0.16	8,960.132	0.16	9,841.918	0.16		0.16		0.16		0.16		0.16		0.16		0.16		0.16	
0.17	8,968.950	0.17	9,850.736	0.17		0.17		0.17		0.17		0.17		0.17		0.17		0.17	
0.18	8,977.768	0.18	9,859.554	0.18		0.18		0.18		0.18		0.18		0.18		0.18		0.18	
0.19	8,986.585	0.19	9,868.372	0.19		0.19		0.19		0.19		0.19		0.19		0.19		0.19	
0.20	8,995.403	0.20	9,877.190	0.20		0.20		0.20		0.20		0.20		0.20		0.20		0.20	
0.21	9,004.221	0.21	9,886.008	0.21		0.21		0.21		0.21		0.21		0.21		0.21		0.21	
0.22	9,013.039	0.22	9,894.825	0.22		0.22		0.22		0.22		0.22		0.22		0.22		0.22	
0.23	9,021.857	0.23	9,903.643	0.23		0.23		0.23		0.23		0.23		0.23		0.23		0.23	
0.24	9,030.675	0.24	9,912.461	0.24		0.24		0.24		0.24		0.24		0.24		0.24		0.24	
0.25	9,039.493	0.25	9,921.279	0.25		0.25		0.25		0.25		0.25		0.25		0.25		0.25	
0.26	9,048.310	0.26	9,930.097	0.26		0.26		0.26		0.26		0.26		0.26		0.26		0.26	
0.27	9,057.128	0.27	9,938.915	0.27		0.27		0.27		0.27		0.27		0.27		0.27		0.27	
0.28	9,065.946	0.28	9,947.733	0.28		0.28		0.28		0.28		0.28		0.28		0.28		0.28	
0.29	9,074.764	0.29	9,956.551	0.29		0.29		0.29		0.29		0.29		0.29		0.29		0.29	
0.30	9,083.582	0.30	9,965.368	0.30		0.30		0.30		0.30		0.30		0.30		0.30		0.30	
0.31	9,092.400	0.31	9,974.186	0.31		0.31		0.31		0.31		0.31		0.31		0.31		0.31	
0.32	9,101.218	0.32	9,983.004	0.32		0.32		0.32		0.32		0.32		0.32		0.32		0.32	
0.33	9,110.036	0.33	9,991.822	0.33		0.33		0.33		0.33		0.33		0.33		0.33		0.33	
0.34	9,118.853	0.34	10,000.640	0.34		0.34		0.34		0.34		0.34		0.34		0.34		0.34	
0.35	9,127.671	0.35	10,009.458	0.35		0.35		0.35		0.35		0.35		0.35		0.35		0.35	
0.36	9,136.489	0.36	10,018.276	0.36		0.36		0.36		0.36		0.36		0.36		0.36		0.36	
0.37	9,145.307	0.37	10,027.093	0.37		0.37		0.37		0.37		0.37		0.37		0.37		0.37	
0.38	9,154.125	0.38	10,035.911	0.38		0.38		0.38		0.38		0.38		0.38		0.38		0.38	
0.39	9,162.943	0.39	10,044.729	0.39		0.39		0.39		0.39		0.39		0.39		0.39		0.39	
0.40	9,171.761	0.40	10,053.547	0.40		0.40		0.40		0.40		0.40		0.40		0.40		0.40	
0.41	9,180.578	0.41	10,062.365	0.41		0.41		0.41		0.41		0.41		0.41		0.41		0.41	
0.42	9,189.396	0.42	10,071.183	0.42		0.42		0.42		0.42		0.42		0.42		0.42		0.42	
0.43	9,198.214	0.43	10,080.001	0.43		0.43		0.43		0.43		0.43		0.43		0.43		0.43	
0.44	9,207.032	0.44	10,088.818	0.44		0.44		0.44		0.44		0.44		0.44		0.44		0.44	
0.45	9,215.850	0.45	10,097.636	0.45		0.45		0.45		0.45		0.45		0.45		0.45		0.45	
0.46	9,224.668	0.46	10,106.454	0.46		0.46		0.46		0.46		0.46		0.46		0.46		0.46	
0.47	9,233.486	0.47	10,115.272	0.47		0.47		0.47		0.47		0.47		0.47		0.47		0.47	
0.48	9,242.303	0.48	10,124.090	0.48		0.48		0.48		0.48		0.48		0.48		0.48		0.48	
0.49	9,251.121	0.49	10,132.908	0.49		0.49		0.49		0.49		0.49		0.49		0.49		0.49	
0.50	9,259.939	0.50	10,141.726	0.50		0.50		0.50		0.50		0.50		0.50		0.50		0.50	
0.51	9,268.757	0.51	10,150.544	0.51		0.51		0.51		0.51		0.51		0.51		0.51		0.51	
0.52	9,277.575	0.52	10,159.361	0.52		0.52		0.52		0.52		0.52		0.52		0.52		0.52	
0.53	9,286.393	0.53	10,168.179	0.53		0.53		0.53		0.53		0.53		0.53		0.53		0.53	
0.54	9,295.211	0.54	10,176.997	0.54		0.54		0.54		0.54		0.54		0.54		0.54		0.54	
0.55	9,304.029	0.55	10,185.815	0.55		0.55		0.55		0.55		0.55		0.55		0.55		0.55	
0.56	9,312.846	0.56	10,194.633	0.56		0.56		0.56		0.56		0.56		0.56		0.56		0.56	
0.57	9,321.664	0.57	10,203.451	0.57		0.57		0.57		0.57		0.57		0.57		0.57		0.57	
0.58	9,330.482	0.58	10,212.269	0.58		0.58		0.58		0.58		0.58		0.58		0.58		0.58	
0.59	9,339.300	0.59	10,221.086	0.59		0.59		0.59		0.59		0.59		0.59		0.59		0.59	
0.60	9,348.118	0.60	10,229.904	0.60		0.60		0.60		0.60		0.60		0.60					