

Date: Aug/20/2018

Prepared for: Stephen Hillier Branch: Mount Pearl, NF

Sample Description: Weld Test Coupons - 5052

Welder ID Number: E2955

Standard/Specification: ASME IX: QW-160 Guided Bend Test

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Test Results						
	Visual					
	Examinaton of					
Sample ID	Welds	Location	Bend Test	Comments		
1G	Pass	Face	Pass			
2G	Pass		Pass			
3G	Pass		Pass			
4G	Pass		Pass			
1G	Pass	Root	Pass			
2G	Pass		Pass			
3G	Pass		Pass			
4G	Pass		Pass			

Test Findings Coupons passed all positions.

Recommendations No recommendations needed.

Test Preformed By:

Scott Gira

Test Date: Aug/20/2018



Form Number:NEE-FRM-019 Page 1			f 1 Revision: 0				
Welders Name WPS used Base Metal	Stephen Hillier A-MBF-1 5052	Identif Test Co Thickn	-	er <u>E2955</u> <u>1G</u> <u>1/4"</u>			
		Actual Values	Ra	nge Values			
Welding proces	S	GMAW	<u>GN</u>	MAW			
Type of Welder		SEMI AUTO	<u>SE</u>	MIAUTO			
Plate or Pipe		PLATE		ATE			
Base metal		5052	50	52/5154/5454/5754			
Filler Metal spe	CS	AWS 5.10	<u>AV</u>	<u>VS 5.10</u>			
Filler Metal clas	S	<u>ER5356</u>	<u>ER</u>	5356			
Filler Metal		ALUMINUM	<u>AL</u>	UMINUM			
Consumable Ins	ert						
Filler Type		WIRE	W	IRE			
Weld position/	progression	<u>1G FLAT/Uphill</u>	<u>1G</u>	FLAT/Uphill			
Inert gas Used		<u>99.99% ARGON</u>	99	.99% ARGON			
Voltage		22 Volts	22	– 25 Volts			
Amp		Auto Amps.	23	0 – 260 Amps.			
Transfer mode		SPRAY ARC		RAYARC			
Welder polarity		DCRP		CRP			
Cleaning type		STEEL WIRE BRU		EEL WIRE BRUSH			
with requirements of Sect Welding Supervisor: <u>Jere</u>			Signature:	Jeremy Newhook			
Location: Mount Pe	earl Shop						
		<u>Results of</u>	Bend Test				
X7'		XX7.1.1.	D	266			
Visual Examination of Complete Weld: Type of Test: <u>Bend</u>			Pass Face				
Code: <u>ASME I</u>			Result: Participation Provide the Provident Pr	ass			
Visual Examina	tion of Complete	Weld:	P	ass			
Type of Test: <u>Bend</u>			Root				
Code: <u>Asme IX</u>			Result: F	ass			
				10-			
Mechanical Test Preform	ned by: <u>Scott Gi</u>	ra	Signature:	and the second s			
Location: <u>NEEI Winni</u>	peg						
We certify that the staten requirements of Section I			the test coupor	ns were tested in accordance with the			
Date: August 20,	2018	Orga	nization: N	lational Energy Equipment Inc.			
Name: Zanyar F			ture:	Si			
Nume. <u>Durry di 1</u>				Man			



Form Number:NEE-FRM-019 Page 1 of 1			Revision: 0			
WPS used <u>A</u> -	ephen Hillier MBH-1 052	ldentif Test Co Thickne	•		E2955 2G 1/4"	
	A	ctual Values		Range	Values	
Welding process	G	MAW		GMAV	V	
Type of Welder	<u>S</u>	EMI AUTO		SEMI /	AUTO	
Plate or Pipe	<u>P</u>	LATE		PLATE		
Base metal	5	6052		5052/	<u>5154/5454/5754</u>	
Filler Metal specs	<u>A</u>	WS 5.10		AWS 5	5.10	
Filler Metal class	<u>E</u>	R5356		<u>ER535</u>	6	
Filler Metal	<u>A</u>	LUMINUM		ALUM	INUM	
Consumable Insert						
Filler Type	<u>v</u>	VIRE		WIRE		
Weld position/ pro	gression 2	G Horizontal/U	phill	<u>2G Ho</u>	rizontal/Uphill	
Inert gas Used		9.99% ARGON			% ARGON	
Voltage		22 Volts			4 Volts	
Amp	A	Auto Amps.			220 Amps.	
Transfer mode	S	PRAY ARC		SPRAY		
Welder polarity		CRP		DCRP		
Cleaning type		TEEL WIRE BRU	JSH		WIRE BRUSH	
with requirements of Section		Lode.	G •	7	eremy Newhook	
Welding Supervisor: Jeremy			Signatur	re:	energy stewnoon	
Location: Mount Pearl	Shop					
		Results of B	end Test			
Visual Examination	of Complete Weld	•		Pass		
Visual Examination of Complete Weld: Type of Test: Bend		•	Face			
Code: <u>ASME IX</u>				Pass		
Visual Examination	of Complete Weld	•		Pass		
Type of Test: <u>Bend</u>	·•	Doot				
Code: <u>Asme IX</u>			Result:	Pass		
					1 10	
Mechanical Test Preformed I Location: <u>NEEI Winnipeg</u>	oy: <u>Scott Gira</u>		Signatur	e:	Made -	
We certify that the statement requirements of Section IX of		rrect and that th	ie test coup	oons we	re tested in accordance with the	
Date:August 20, 201	8	Organi	zation:	<u>Natio</u> n	al Energy Equipment Inc.	
Name: Zanyar Farh						
		0		L	the	



Form Number:NEE-FRM-019 Page 1 of 1 Revision: 0 Welders Name Suptom Hillior Identification number E2005 Base Metal 2002 Test Coupon 3G Welding process GMAW GMAW Type of Welder SEMI AUTO SEMI AUTO Plate or Pipe PLATE PLATE Base metal 2002 SO2 Filler Metal class ER5356 ER5356 Filler Metal class ER5356 ER5356 Filler Metal class ER5356 ER5356 Filler Type WilkE WilkE Wolder polarity OCRP 20.99% ARGON Voltage 22 Volts 2124 Volts Amp Amps 185-205 Amps Transfer mode SPRAYARC SPRAYARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder golarity DCRP Exemisation of Complete Weld: Pass Type of Test: Bend Result: Pass Result: Visual Examination of Complete Weld: Pass Pass Visual Examination of Complete Weld: Pass Pass Visual Examination of Complete Weld: Pass					0		
WPS used <u>AMBU-1</u> Test Coupon <u>3G</u> Base Metal <u>002</u> Thickness <u>1/4</u> " Welding process <u>GMAW</u> <u>GMAW</u> Type of Welder <u>SEMI AUTO</u> <u>SEMI AUTO</u> Plate or Pipe <u>PLATE</u> <u>PLATE</u> Base metal <u>6062</u> <u>5052/5154/5454/5754</u> Filler Metal dsss <u>EB3356</u> <u>EB3356</u> Filler Metal dsss <u>EB3356</u> <u>EB3356</u> Filler Metal dss <u>EB3356</u> <u>EB3356</u> Filler Metal dss <u>BER3356</u> <u>EB3356</u> Weld position/ progression <u>3G Vertical/Uphill</u> <u>3G Vertical/Uphill</u> Inert gs Used <u>99.99% ARGON</u> <u>99.99% ARGON</u> Voltage <u>2</u> Volts 21-24 Transfer mode <u>SPRAV ARC</u> <u>SPRAV ARC</u> Welder polarity <u>DCRP</u> <u>DCRP</u> Cleaning type <u>STEEL WIRE BRUSH</u> <u>Steeton IX of the ASME Code</u> Munt Peard Bhop	Form Number:NEE-FRM-019 Page 1 of			Revision: 0			
WPS used AMBU-1 Test Coupon 3G Base Metal 302 Thickness 1/4" Welding process GMAW GMAW Type of Welder SEMI AUTO SEMI AUTO Plate or Pipe PLATE PLATE Base metal 5002 5052/5154/5454/5754 Filler Metal class EB356 EB356 Filler Metal specs AWS 5.10 AUMINUM Consumable Insert WIRE WIRE Weld position/ progression 3G Vertical/Uphili 3G Vertical/Uphili Notage 22 Volts 21-24 Amp Ama Amps. 185-205 Amps. Transfer mode SPRAV ARC SPRAV ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH Steature: Mumi Pearl Bhop Mac Amps. Tassee Metding Supervisor: Jerend Meremit: Pass	Woldors Name	Stenhen Hillier	Idontif	ication nun	bor E2955		
Base Metal Model Thickness 1/4" Actual Values Range Values Mype of Welder SEMIAUTO SEMIAUTO Plate or Pipe PLATE SO22/515/545/5454/5754 Base metal 5022 SO22/515/5454/5754/5754 Filler Metal spees SWIS 5.10 AWS 5.10 Filler Metal class EB3356 EB5356 Filler Metal ALUMINUM ALUMINUM Consumable lisert WIRE WIRE Filler Type WIRE WIRE Consumable lisert WIRE WIRE Consumable position / progression 362 Vertical/Uphili 352 Vertical/Uphili Inert gas Used SPRAY ARC SPRAY ARC Welder polarity DCRP Steature Cleaning type STEEL WIRE BRUSH Steature Mutht							
Actual Values Range Values Type of Welder SEMI AUTO Semi Auto SEMI AUTO Base metal SSS Filler Metal classes AWS 5.10 Filler Metal classes AWS 5.10 Filler Metal classes AWS 5.10 Semmable insert WIRE Filler Metal class SSS 50.00 Semmable insert WIRE Filler Metal class SS 2000.00 Youtage 21.24 Voltage 22.24 Voltage 22.24 Voltage 22.24 Voltage 22.24 Welder polarity DCRP Cleaning type STEEL WIRE BRUSH Steel and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance Welder polarity DCRP Cleaning type Signature Mure Pearl Bhop Mon Mure Pearl Shop Son Mure Pearl Shop Mon Mure Pearl Shop Mon Mure Pearl Shop Mon Mure Pearl Shop Mon Mure Pearl Shop Mon </th <th></th> <th></th> <th></th> <th>•</th> <th></th> <th></th>				•			
Welding process SMAW SMAW Type of Welder SEMIAUTO Plate or Pipe PLATE Base metal 9052 S052/D5154/5454/5754 Filler Metal specs AWS 5.10 Filler Metal specs WiRE Weld position/ progression 3G Vertical/Uphill Inert gas Used 99.99% ARGON 99.99% ARGON 99.99% ARGON Voltage 21 – 24. Volts Amp Ama_mas. Transfer mode SPRAV ARC Voltage 21 – 24. Volts Amp Ama_mas. Transfer mode SPRAV ARC Voltage SPRAV ARC Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jointy Visual Examination of Complete Weld: Pass Type of Test: Bend Toet:	Dase Wietai	0002		233	<u>1/4</u>		
Type of Welder SEMI_AUTO SEMI_AUTO Plate or Pipe PLATE PLATE Base metal 6002 SOS2/5154/5454/5754 Filler Metal specs AWS 5.10 AWS 5.10 Filler Metal class ER5356 ER5356 Filler Metal class ER5356 ER5356 Filler Type WIRE WIRE Weld position/ progression 3G Vertical/Uphill 3G Vertical/Uphill Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 2 ² Volts 21-24 Volts Amp Amo Amps. 185-205 Amps. Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Pass Welding Supervisor: _enend Pass			Actual Values	I	Range Values		
Plate or Pipe PLATE S022/S154/S454/S754 Base metal 3002 S022/S154/S454/S754 Filler Metal class ER5356 ER5356 Filler Type WIRE WIRE Wire Weld position/ progression 3G Vertical/Uphill Inert gas Used 99.99% ARGON Voltage 22 Volts 21-24 Volts Amp Auto Amps IBS-205 Amps Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Signature: Pass Type of Test: Bend Face Pass Signature: Yisual Examination of Complete Weld:	Welding proces	s	GMAW		GMAW		
Base metal 002 5052/5154/5454/5754 Filler Metal specs AWS 5.10 AWS 5.10 Filler Metal class EB5356 ER5356 Filler Metal ALUMINUM ALUMINUM Consumable Insert WIRE WIRE Hiller Type WIRE WIRE Weld position/ progression 3G Vertical/Uphill 3G Vertical/Uphill Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 22 Volts 2124 Volts Amp Auto Amps 185 - 205 Amps Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH Steat Stanination of Complete Weld: Type of Test: Bend Face Yes of Test: Bend Result: Yes of Test: <	Type of Welder		SEMI AUTO		SEMI AUTO		
Filler Metal class AWS 5.10 AWS 5.10 Filler Metal class EB3356 ER5356 Filler Metal ALUMINUM ALUMINUM Consumable Insert WIRE WIRE Weld position / progression 3G Vertical/Uphill 3G Vertical/Uphill Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 22 Volts Amp Amp Audo Amps. 1155-205 Amps. Transfer mode SPRAY ARC SPRAY ARC SPRAY ARC Welder polarity DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH STEEL WIRE BRUSH Welder sold Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Signature: Jeventy Neuthoofk Location: Mount Pearl Shop Signature: Pass Type of Test: Bend Revult: Pass Type of Test: Ben	Plate or Pipe		PLATE		PLATE		
Filler Metal class ER5356 ER5356 Filler Metal class ER5356 ER5356 Filler Metal ALUMINUM ALUMINUM Consumable Insert WIRE WIRE Filler Type WIRE WIRE Weld position/ progression 36 Vertical/Uphili 36 Vertical/Uphili Inert gas Used 99.999% ARGON 99.99% ARGON Voltage 22 Volts 21 - 24. Volts Amp Anto Amps. 185 - 205 Amps. Transfer mode SPRAV ARC SPRAV ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Jeremy Newhook Location: Mount Pearl Shop Signature: Pass Signature: Visual Examination of Complete Weld: Pass Type of Test: Rend Result: Pass Signature: Pass Type of Test: Rend R	Base metal		5052	!	5052/5154/5454/5	754	
Filler Metal ALUMINUM ALUMINUM Consumable Insert	Filler Metal spe	cs	AWS 5.10		AWS 5.10		
Consumable Insert Image: Consumable Insert Image: Consumable Insert Filler Type WIRE Will Weld position/ progression 3G Vertical/Uphill 3G Vertical/Uphill Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 21 - 24 Volts 21 - 24 Volts Amp Auto Amps. Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Jeremy Newhook Location: Mount Pearl Shop Signature: Jeremy Newhook Location: Mount Pearl Shop Face Pass Visual Examination of Complete Weld: Pass Pass Type of Test: Bend Result: Pass Code: ASME TX Result: Pass Mount Pearl Shop Signature: Jeremy Jeremy Visual Examination of Complete Weld: Resu	Filler Metal clas	s	ER5356				
Filler Type WIRE WIRE Weld position/ progression 3G Vertical/Uphili 3G Vertical/Uphili Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 22 Volts 21-24 Volts Amp Auto Amps. 185-205 Amps. Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Jeremy Newhook Location: Mount Poarl Shop Signature: Pass Type of Test: Bend Root Root Type of Test: Bend Root Result: Pass Type of Test: Bend Root Signature: Jeremy Jeremy Mechanical Test Preformed by: Scott Gira Signature: Pass Jeremy	Filler Metal		ALUMINUM				
Weld position/ progression 3G Vertical/Uphili 3G Vertical/Uphili Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 22 Volts 21 – 24 Volts Amp Amb Amps 185 – 205 Amps. Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Jeremy Newhook Location: Mount Pearl Shop Signature: Pass Yaye of Test: Bend Result of Bend Test Visual Examination of Complete Weld: Pass Pass Type of Test: Bend Root Result: Pass Type of Test: Bend Signature: Jeass Mount Pearl Shop Visual Examination of Complete Weld: Pass Root Result: Pass Type of Test: Bend Root Result: Pass Mount Pearl Shop W	Consumable Ins	ert					
Inert gas Used 99.99% ARGON 99.99% ARGON Voltage 22 Volts 21-24 Volts Amp AMO Amps. 1155-205 Amps. Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Location: Mount Pead Shop Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Mechanical Test Preformed by: Scott Gira Location: NEEI Winnipez We certify that the statement in the record is correct and that the test coupons were tested in acc	Filler Type		WIRE		WIRE		
Voltage 22 Volts 21-24 Volts Amp Auto Amps 185-205 Amps Transfer mode SPRAY ARC SPRAY ARC Welder polarity DCRP DCRP Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Location: Mount Pearl Shop Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Result: Pass Type of Test: Bend Code: Signature: Visual Examination of Complete Weld: Pass Type of Test: Bend Result: Pass	Weld position/	progression	3G Vertical/Uph	<u>nill</u>	3G Vertical/Uphill		
Amp Auto Amps	Inert gas Used		<u>99.99% ARGON</u>		99.99% ARGON		
Transfer mode SPRAY ARC	Voltage		22 Volts		21–24 Volts		
Welder polarity Cleaning type DCRP STEEL WIRE BRUSH DCRP STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Signature: Jeremy Newhook Location: Mount Pearl Shop Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Mechanical Test Preformed by: Scott Gira Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization:	Amp		Auto Amps.		<u> 185 – 205 Amps.</u>		
Cleaning type STEEL WIRE BRUSH STEEL WIRE BRUSH Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor: Jeremy Newhook Welding Supervisor: Jeremy Newhook Location: Mount Pearl Shop Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Nechanical Test Preformed by: Scott Gira Location: NELI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization:	Transfer mode		SPRAY ARC		SPRAY ARC		
Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor:	Welder polarity		DCRP		DCRP		
Welder and Welding Supervisor are responsible for the test coupons being prepared and welded in accordance with requirements of Section IX of the ASME Code. Welding Supervisor:	Cleaning type		STEEL WIRE BRU	JSH S	STEEL WIRE BRUSH		
Location: Mount Pearl Shop Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Face Code: ASME IX Pass Visual Examination of Complete Weld: Pass Type of Test: Bend Result: Visual Examination of Complete Weld: Pass Code: ASME IX Result: Visual Examination of Complete Weld: Pass Code: Asme IX Root Result: Pass Organization: Neel Winnipeg	-			Signature	: Jeremy Ne	whook	
Results of Bend Test Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Type of Test: Bend Code: Asme IX Result: Pass Type of Test: Bend Result: Pass Type of Test: Bend Result: Pass Type of Test: Bend Result: Pass Type of Test: Send Result: Pass Mechanical Test Preformed by: Scott Gira Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization:	~ -				<u> </u>		
Visual Examination of Complete Weld: Pass Type of Test: Bend Code: ASME IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Visual Examination of Complete Weld: Pass Type of Test: Bend Code: Asme IX Mechanical Test Preformed by: Scott Gira Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018		I					
Type of Test: Bend Face Code: ASME IX Pass Visual Examination of Complete Weld: Pass Type of Test: Bend Root Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature: Signature: Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Organization: National Energy Equipment Inc.			Results of	Bend Test			
Type of Test: Bend Face Code: ASME IX Pass Visual Examination of Complete Weld: Pass Type of Test: Bend Root Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature: Signature: Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Organization: National Energy Equipment Inc.	Visual Examina	tion of Complete	• Weld•		Pass		
Code: ASME IX Result: Pass Visual Examination of Complete Weld: Pass Type of Test: Bend Root Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature: Location: NEEI Winnipeg Signature: We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.				Face			
Type of Test: Bend Root Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature: Signature: Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Organization: National Energy Equipment Inc.				Result:	Pass		
Type of Test: Bend Root Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature: Signature: Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Organization: National Energy Equipment Inc.					Daga		
Code: Asme IX Result: Pass Mechanical Test Preformed by: Scott Gira Signature:			e Weld:	Deet	Pass		
Mechanical Test Preformed by: Scott Gira Signature: Location: NEEI Winnipeg Signature: We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.				Root Result•	Pass		
Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.		*			/	have	
Location: NEEI Winnipeg We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.	Mechanical Test Preform	ned by: Scott G	ira	Signatur	e: 6		
We certify that the statement in the record is correct and that the test coupons were tested in accordance with the requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.				Jighatai			
requirements of Section IX of ASME Code. Date: August 20, 2018 Organization: National Energy Equipment Inc.		pcz					
	-			the test coup	oons were tested in a	ccordance with the	
	Date: August 20.	2018	Orga	nization	National Energy E	auinment Inc.	
Signature:			6		S S S	quipment inc.	
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Form Number:NEE-FRM-019 Page 1 of			Revision: 0			
Welders Name WPS used Base Metal	Stephen Hillier A-MBO-1 5052		ification numberE2955Coupon4Gness1/4"			
Welding process Type of Welder Plate or Pipe Base metal Filler Metal spec Filler Metal clas Filler Metal Consumable Ins Filler Type Weld position/ Inert gas Used Voltage Amp Transfer mode Welder polarity Cleaning type	cs s ert progression ervisor are respon		N 99.99% ARGON 21 – 24 Volts 3. 200 – 220 Amps. SPRAY ARC DCRP			
Welding Supervisor: <u>Jeren</u> Location: Mount Pe			Signature: <u>Jeremy Newhook</u>			
Type of Test: <u>F</u> Code: <u>ASME IX</u> Visual Examinat	tion of Complete	Weld:	<u>f Bend Test</u> Pass Face Result: Pass Pass			
Type of Test: <u>F</u> Code: <u>Asme IX</u> Mechanical Test Preform Location: <u>NEEI Winnip</u> We certify that the statem requirements of Section D	ed by: <u>Scott Gir</u> beg lent in the record	a is correct and that t	Root Result: <u>Pass</u>			
Date: <u>August 20, 2</u> Name: <u>Zanyar Fa</u>	2018	Organ	anization: <u>National Energy Equipment Inc.</u>			