



Equip. No.	Prov. Reg. No.	C.R.N.	H-2078.2	Serial No.	87-3568-0	Yr. Inst.
Code/Div.	ASME VIII DIV 1	Size:	10ft x 35ft	Manufacturer:	WELLS HALL FABRICATION	Yr. Bld.
C. Stamp:	U	Service:	SWEET	PWHT:	NIL	Insulated:
				Radiography:	RT-4	YES

  

Design & Materials Data	
HEAD:	Top Mat'l: SA 516 70N Top Nom. 12.6mm Top C.A. 1.6mm
	Btm. Mat'l: SA 516 70N Btm. Nom. 9.2mm Btm. C.A. 1.6mm
CHANNEL:	Material: _____ Nominol: _____ C.A. _____
BOOT:	Head Mat'l: _____ Head Nom. _____ Head C.A. _____
	Shell Mat'l: _____ Shell Nom. _____ Shell C.A. _____
SHELL:	Material: SA 516 70N Nominol: 9.5mm C.A. 1.6mm
MAMP Shell Side:	345 kPa Temp. 121°C
MAMP Tube Side:	Temp. _____

  

CLIENT CANADIAN NATURAL RESOURCES	
FACILITY	LACLACE NORTH BATTERY
ITEM	LSD: 10-14-76-10 W6M
	TREATER
By: IDM/KR	DATE: 08/2015
	DWG.# 6

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** TREATER  
**CRN#:** H-2078.2  
**PROV REG:** A 245115  
**TESTED ON STREAM**

**FACILITY:** LAGLACE NORTH BATTERY  
**SERVICE:** SWEET  
**LOCATION:** 10-14-76-10 W6M  
**RTD JOB #:** 10.116259  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
610												
Description:	LOWER HEAD											
	2015 8											
Min. Thick.	13.6		11.00			1.6	12.60			0	0	
Average:	13.8											
Analysis:												
615												
Description:	BOTTOM SHELL											
	2015 8											
Min. Thick.	9.9		7.90			1.6	9.50			0	0	
Average:	10.1											
Analysis:												
620												
Description:	LOWER SHELL											
	2015 8											
Min. Thick.	10.2		7.90			1.6	9.50			0	0	
Average:	10.3											
Analysis:												
625												
Description:	MID SHELL											
	2015 8											
Min. Thick.	10.1		7.90			1.6	9.50			0	0	
Average:	10.2											
Analysis:												
630												
Description:	UPPER SHELL											
	2015 8											
Min. Thick.	10		7.90			1.6	9.50			0	0	
Average:	10.1											
Analysis:												
635												
Description:	BOTTOM SHELL											
	2015 8											
Min. Thick.	9.8		7.90			1.6	9.50			0	0	
Average:	10											
Analysis:												

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**PROV REG:** A 245115  
**TESTED ON STREAM**

**FACILITY:** LAGLACE NORTH BATTERY  
**SERVICE:** SWEET  
**LOCATION:** 10-14-76-10 W6M  
**RTD JOB #:** 10.116259  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
640												
Description:	LOWER HEAD											
	2015 8											
Min. Thick.	9.3	7.60	1.6	9.20					0	0		
Average:	9.6											
Analysis:												
645												
Description:	2" 90° NOZZLE											
	2015 8											
Min. Thick.	3.4	2.30	1.6	3.90					0	0		
Average:	3.6											
Analysis:												
650												
Description:	2" 90° NOZZLE											
	2015 8											
Min. Thick.	3.1	2.30	1.6	3.90					0	0		
Average:	3.3											
Analysis:												
655												
Description:	3" 90° NOZZLE											
	2015 8											
Min. Thick.	4.6	3.90	1.6	5.50					0	0		
Average:	4.9											
Analysis:	08/2015 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.1mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm RETIREMENT DATE:2108											
660												
Description:	2" 90° NOZZLE											
	2015 8											
Min. Thick.	2.9	2.30	1.6	3.90					0	0		
Average:	3.2											
Analysis:	08/2015 MIN SCAN @ CORROSION. CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.1mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm RETIREMENT DATE:2051											

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**EQUIPMENT:** TREATER PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** LAGLACE NORTH BATTERY  
**SERVICE:** SWEET  
**LOCATION:** 10-14-76-10 W6M  
**RTD JOB #:** 10.116259  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
605												
Description: 4" 90° ELBOW												
2015 8												
Min. Thick.	5.8				5.25	.8	6.00					
Average:	6								0	0		
Analysis:												
665												
Description: 4" VERTICAL BAND												
2015 8												
Min. Thick.	8.2				7.53	1.1	8.60					
Average:	8.4								0	0		
Analysis:												
670												
Description: 4" VERTICAL BAND												
2015 8												
Min. Thick.	7.9				7.53	1.1	8.60					
Average:	8.1								0	0		
Analysis:												
672												
Description: 6" 90° ELBOW												
2015 8												
Min. Thick.	6.7				6.21	.9	7.10					
Average:	6.9								0	0		
Analysis:												
674												
Description: 2" 90° ELBOW												
2015 8												
Min. Thick.	3.7				3.41	.5	3.90					
Average:	3.8								0	0		
Analysis:												
676												
Description: 2" 90° ELBOW												
2015 8												
Min. Thick.	3.7				3.41	.5	3.90					
Average:	3.9								0	0		
Analysis:												

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**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** LAGLACE NORTH BATTERY  
**SERVICE:** SWEET  
**LOCATION:** 10-14-76-10 W6M  
**RTD JOB #:** 10.116259  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
678												
Description:	2" CIRC BAND											
	2015 8											
Min. Thick.	3.8			3.41		.5	3.90					
Average:	4							0	0			
Analysis:												
680												
Description:	2" CIRC BAND											
	2015 8											
Min. Thick.	3.8			3.41		.5	3.90					
Average:	4							0	0			
Analysis:												
682												
Description:	2" CIRC BAND											
	2015 8											
Min. Thick.	3.8			3.41		.5	3.90					
Average:	4							0	0			
Analysis:												
684												
Description:	2" CIRC BAND											
	2015 8											
Min. Thick.	5.3			4.81		.7	5.50					
Average:	5.4							0	0			
Analysis:												
686												
Description:	2" 90° ELBOW											
	2015 8											
Min. Thick.	3.5			3.41		.5	3.90					
Average:	3.7							0	0			
Analysis:												
688												
Description:	3" 90° ELBOW											
	2015 8											
Min. Thick.	5.5			4.81		.7	5.50					
Average:	5.7							0	0			
Analysis:												

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Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
690												
Description:	3" 90° ELBOW											
	2015 8											
Min. Thick.	5.2	4.81	.7	5.50					0	0		
Average:	5.5											
Analysis:												
692												
Description:	3" 90° ELBOW											
	2015 8											
Min. Thick.	6.1	4.81	.7	5.50					0	0		
Average:	6.3											
Analysis:												
694												
Description:	3" 45° ELBOW											
	2015 8											
Min. Thick.	6.2	4.81	.7	5.50					0	0		
Average:	6.4											
Analysis:												
696												
Description:	3" CIRC BAND											
	2015 8											
Min. Thick.	5.3	4.81	.7	5.50					0	0		
Average:	5.5											
Analysis:												
698												
Description:	3" CIRC BAND											
	2015 8											
Min. Thick.	5.5	4.81	.7	5.50					0	0		
Average:	5.7											
Analysis:												
699												
Description:	3" CIRC BAND											
	2015 8											
Min. Thick.	5.5	4.81	.7	5.50					0	0		
Average:	5.7											
Analysis:												