



Ultrasonic Inspection Report

Job #:

Report #:

Inspection Date:

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--UT-BV-1

September 9, 2014

Client:	CNRL	Location:	Ralston Battery
Procedure:	UT-0001	Item Inspected:	Firetube from Group Treater A2710237
Code:	ASME Section VIII Div 1		

Surface Condition:	Painted <input checked="" type="checkbox"/>	Sandblasted <input type="checkbox"/>	Machined <input type="checkbox"/>	As Cast <input type="checkbox"/>	As Forged <input type="checkbox"/>
	Weldment <input type="checkbox"/>	Other <input type="checkbox"/>	Material: C.S.		

Scanning Surface:	OD <input checked="" type="checkbox"/>	ID <input type="checkbox"/>	Other: <input type="checkbox"/>	Surface Temp (°C):	> 5° / < 60°
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Method:	Contact <input checked="" type="checkbox"/>	Immersion <input type="checkbox"/>	Other <input type="checkbox"/>		
Type:	P/E <input type="checkbox"/>	T/T <input type="checkbox"/>	Dual <input checked="" type="checkbox"/>	Automated <input type="checkbox"/>	TOFD <input type="checkbox"/>
Application:	Laminar <input checked="" type="checkbox"/>	Shear Wave <input type="checkbox"/>	Volumetric <input type="checkbox"/>	Thickness <input checked="" type="checkbox"/>	

Instrumentation:	Mfg: G.E.	Type: Krautkramer	Equip #: DMS2	Serial #: 020XP6
Calibration:	Date: 01/12/2013		Reference Flaw Size: Backwall	
Calibration Block (s):	Type:	Block#:	Type:	Block#:
	Type: .5" Stepwedge	Block#: 10-2192	Type:	Block#:

Couplant:	Brand: Sono Tech	Type: Echogel	Cable:	Type: Coaxial	Length: 36"
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PROBE						Settings - dB			Range - <input type="checkbox"/> IN. <input type="checkbox"/> MM		
Manufacturer	Type	Serial #	Angle	Frequency	Size	Ref Level	Scan Level	Transfer Value	Screen Size	Skip Value	Beam Travel
G.E.	Dual	0200LL	0	7.5Mhz	0	6db					

Scope and Inspection Results

Carry out UT examination of 18" Internal Firetube from Group Treater at LSD: 05-14-018-10W4M. Check for corrosion of the shell to verify integrity for service and identify any areas of concern.

Results:
 UT examination was carried out; all readings taken were point type readings with four readings per TML location/band. Top shell, Inner-shell, outer-shell and bottom. Minimum readings were taken and recorded in each location. No changes in the UT Readings from October 2013. Minimum Reading recorded: 0.290" and maximum 0.415". See attached drawing for locations and thicknesses recorded.

Recommendation:
 Continue to carry out UT corrosion survey and Visual inspections at the required inspection frequency.

Final Comment:
 Firetube is fit for continued service.

Inspection Limitation(s): None

Time and Billing Information:

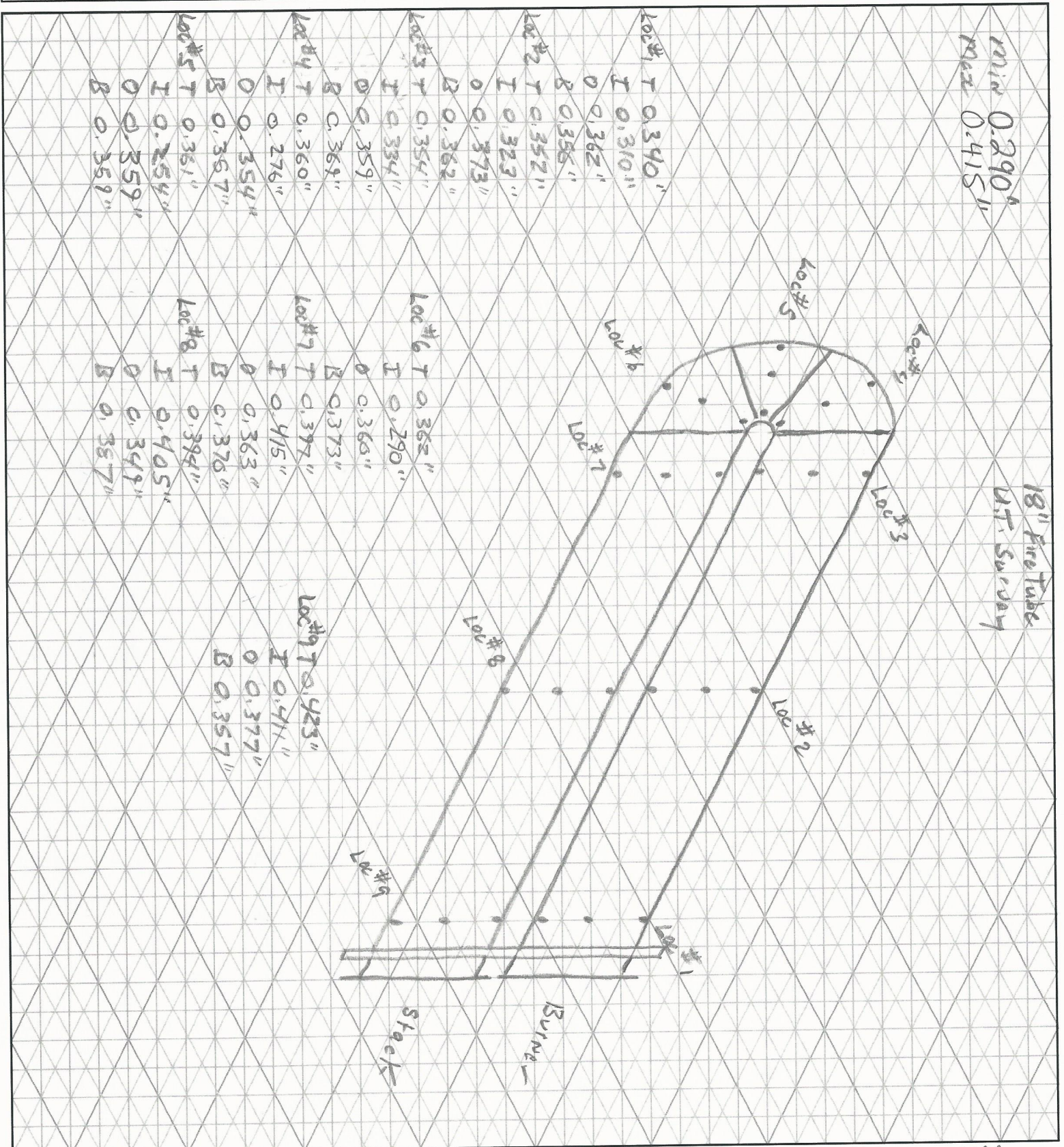
Vehicle #:	001	Kms:		Hrs		Tech. (Name):	Blair Verge	SNT-TC-1A:	1
Time In:	00:00	Time Out:	00:00			Tech. (Sign):		CGSB Level:	I
Time In:	00:00	Time Out:	00:00			Client (Name):		CGSB #:	5586
Personnel:	Cody Verge Blair Verge				Client (Sign):				

Additional Billing Information: : -



CORROSION INSPECTION SERVICES

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CUSTOMER: CNRL FACILITY: Ralston Battery LSD: 05-14-018-10W4M
 P & ID: _____ DRAWN BY: B. Verge DATE: Oct 10/13 DRAWING NO. _____

VESSEL INFORMATION:
 Equip. No. _____ Pro. Reg. No. (A) A2710737 C.R.N. _____ Serial No. _____ Yr. Inst. _____
 Code/Div. _____ Size: 18" ID (OD X) Manufacturer: _____ Yr. Blt. _____
 C. Stamp: _____ Service: _____ PWHT: _____ J.E.: _____ Radiography: _____ Insulated: _____

HEAD:
 Top Mat'l. _____ Top Nom: _____ Top C.A. _____ Material: _____ Nominal: _____ C.A. _____
 Btm Mat'l. _____ Btm Norm: _____ Btm C.A. _____

BOOT:
 Head Mat'l: _____ Head Nom. _____ Head C.A. _____ Top Mat'l. _____ Top Nom. _____ Top C.A. _____
 Shell Mat'l: _____ Shell Nom. _____ Shell C.A. _____ Btm Mat'l. _____ Btm Norm. _____ Btm C.A. _____
 MAWP Shell Side: _____ @ Temp. _____ MAWP Tube Side: _____ @ Temp. _____

PIPING INFORMATION:
 Circuit No. _____ Line No. (s) **(PLEASE PUT LINE NUMBERS ON APPLICABLE LINES ON THE DRAWING)**
 Piping Class: _____ Service: _____ Yr. Blt. _____
 MAWP: _____ @ Temp. _____ Size & Schedule of Piping **(PLEASE PUT APPROPRIATE SIZES AND SCHEDULES OF PIPING ON DRAWING)**