



## Magnetic Particle Inspection Report

**Job #:**
**Report #:**
**Inspection Date:**
**-BV-1**
**September 9, 2014**

<b>Client:</b>	CNRL	<b>Location:</b>	Ralston Battery	
<b>Procedure:</b>	MT-001	<b>Item Inspected:</b>		
<b>Code:</b>	ASME Section VIII Div. 1 App 6		Firetube from Group Treater A2710237	
<b>Surface Condition:</b>	Painted <input type="checkbox"/>	Sandblasted <input type="checkbox"/>	Machined <input type="checkbox"/>	As Cast <input type="checkbox"/>
	Weldment <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	As Forged <input type="checkbox"/>	
<b>Magetizing Equipment:</b>	Yoke <input checked="" type="checkbox"/>	Coil <input type="checkbox"/>	Prod <input type="checkbox"/>	<b>Bench:</b> Headshot <input type="checkbox"/>
	Equip #: 36789	Mfg: Contour Probe	Central Conductor <input type="checkbox"/>	
<b>Blacklight:</b> <input type="checkbox"/>	Equip #:	Mfg:	Calibration Date: 01-Aug-2014	
<b>WhiteLight:</b>	Battery Powered Min. 3V <input type="checkbox"/>	Held within 30cm (12in) of the inspection surface		
	110V Power Min. 60W Bulb <input type="checkbox"/>	Held within 30cm (12in) of the inspection surface		
<b>Magnetization</b>	AC <input checked="" type="checkbox"/>	DC <input type="checkbox"/>	Continuous <input checked="" type="checkbox"/>	Residual <input type="checkbox"/>
<b>Magnetic Particles:</b>	Dry <input type="checkbox"/>	Wet <input checked="" type="checkbox"/>	Fluorescent <input type="checkbox"/>	Red <input type="checkbox"/>
	Batch #: 3896543	Mfg: Magnaflux	Grey <input type="checkbox"/>	Black <input checked="" type="checkbox"/>
<b>Background:</b>	Batch #: 563789	Mfg: Ardrex	Type: 7C	
			Type: 8901	

### Scope and Inspection Results

Scope: Carry out Magnetic Particle Inspection on 18" Firetube from Group Treater A2710237 @  
LSD: 05-14-018-10W4M.

Results: 100% MPI was carried out on all the miter joint sections and fillet welds.  
All welds were MPI inspected 100% with wet black technique.

MPI was carried out on the tube to tube sheet fillet welds and the lifting lug on the tube sheet.

MPI was also carried out on the burner and stack flange welds, Miter joint welds and on the lifting lug to repad and repad to miter section fillet welds.

No relevant indications were found at time of inspection.

See attached pictures for locations of areas examined.

**Inspection Limitation(s):** None

### Time and Billing Information:

<b>Vehicle #:</b>	001	<b>Kms:</b>		<b>Hrs</b>		<b>Inspector (Name):</b>	Blair Verge	<b>SNT-TC-1A:</b>	11
<b>Time In:</b>	00:00	<b>Time Out:</b>	00:00			<b>Inspector (Signature):</b>		<b>C.G.S.B. Level:</b>	II
<b>Time In:</b>	00:00	<b>Time Out:</b>	00:00			<b>Client (Name):</b>		<b>C.G.S.B. #:</b>	5586
<b>Personnel:</b>	Cody Verge Blair Verge				<b>Client (Signature):</b>				
	:				<b>Chief Inspector (Signature - If Required):</b>				

**Additional Billing Information:**