

APPLUS-RTD
EDMONTON, ALBERTA,
CANADA T6P 1N5
TEL: (780) 440-6600 FAX: (780) 440-2538

GENERAL NDE REPORT

Tag# H-610_06_19
2013_MT-Report-a

Date June, 19, 2013 Page 1 of 3
RTD Job #: 10-113249
RTD Dep. #: G /P

Client: C.N.R.L.
Address: ClearHills Gas Plant (AB)
W.O.#:
Client Rep.: Craig Liba

LSD L.S.D. 16-11-88-13 W6M
Location: ClearHills Gas Plant
Procedure: RTD-MT- 003
Code: Asme VIII Div 1

Description: MPI Inspection on both Burner and Exhaust End in Saskatoon Reboiler Ser # 3830 (Tag# H-610) in Train #1.

Surface Condition: ☒ Weldment ☐ Machined ☐ Painted
☐ Ground ☐ Sandblasted ☐ Other Surface Temp (C°): ☐ < 5 ☐ > 5 x < 60 ☐ > 60

☒ MAGNETIC PARTICLE INSPECTION

Equipment Type: ☒ Yoke ☐ Bench Asset No.: 2227 Calibration Due Date: 07-21-13
Blacklight: Intensity Check: $\mu\text{W}/\text{cm}^2$ Asset No.: Calibration Due Date:
Method: ☒ A/C ☐ D/C Type: ☒ Continuous ☐ Residual Power Supply: ☒ 120 V ☐ Battery ☐ Natural
Type: ☐ Dry Powder: Colour: Wet: ☒ Black and White ☐ Fluorescent
Product Manufacturer: Magna Flux Product Identification Code: 7HF-Blk Ink / WCP-2 White Contrast

☐ LIQUID PENETRANT INSPECTION

Type: ☐ I-Fluorescent ☐ II-Visible Dye Method: ☐ A (Water Wash) ☐ B (P.E. Lipophilic) ☐ C (Solvent Removable) ☐ D (P.E. Hydrophilic)
Blacklight: Asset No.: Calibration Due Date: Blacklight Intensity: $\mu\text{W}/\text{cm}^2$
Dwell Times: Penetrant; Minutes Developer; Minutes Product Manufacturer:

☐ ULTRASONIC THICKNESS MEASUREMENT

Method: ☐ P/E ☐ Dual ☐ T/T ☐ Other Type: ☐ Longitudinal ☐ Shear Wave
Instrumentation: Manufacturer: RTD Asset No.: Calibration Date:
Cal. Block(s): Type: RTD Asset No.: Serial No.:
Couplant: Manufacturer: Type:

Probe Type	Angle	Frequency	Size	Reference Level (dB)	Scanning Level (dB)	Range	Skip Value	Beam Travel	Transfer Value (dB)

INSPECTION DETAILS

Scope: Carry out Magnetic Particle Inspection on all tube welds in both the Burner End and Exhaust End including stay rod welds in plate sheet and water Arch in (Saskatoon Reboiler Ser # 3830)- (Tag# H-610) in Train #1.

Results: (1) No cracks found at time of inspection

See Attached photos for areas inspected and location.

Technician: Jerry Hrynkiw
Signature:
Assistant:
Client Signature:

CGSB /ASNT/SNT Level: II
Method: MT #5709
CGSB /ASNT/SNT Level:

Start Time: Stop Time: ST OT
Unit: Km: Travel Time:
☐ Subsistence required ☐ OT Meal
Consumables:

*Results are an interpretation of the inspection method, not a guarantee. Client signature indicates acceptance of report, results and applicable charges.

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Data Plate (Ser # 3830) Tag # H-610



2ND Data Plate Tag # H-610 (Ser # 3830)



View of areas inspected in bottom of Burner End.



View of areas inspected in top of Burner End.

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2013_MT-Report-a**

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RTD Dep. #: G /P



View of Exhaust End prior to MPI Inspection

View of areas Inspected in Exhaust End