

(A) #: 436162

OWNER ID NO. _____

BOILERS AND PRESSURE VESSELS REPAIR ☐ or ALTERATION ☒ REPORT
Repair Procedure submitted to Alberta Boilers Safety Association Yes ☒ No ☐ Partial ☐ Final ☐

1. Name and Address of Organization doing Repair/Alteration Cessco Fab. & Eng. Ltd.
7310-99St. Edmonton, AB AQP Cert. No. & Expiry Date 1014-Sept. 30, 1999
Location of Installation ANSEL GAS PLANT
2. Name of Owner H.C.O. Energy c/o Darsi Engineering
Address #410-700-6Ave. S.W. Calgary, AB
3. Boiler/Pressure Vessel Description Dehydrator Slug Catcher CRN C6163-12 X-0170.2
Manufacturer's Name Vancouver Iron & Eng. Serial No. 77164-3/77164-4
4. Design Conditions _____
- a) Pressure Vessel/Boiler shell: Max Allowable Working Press. 400 Psi Min. & Max Design Temp. 650°F
- b) Pressure Vessel Tubeside/Jacket: Max Allowable Working Press. _____ Min. & Max Design Temp. 1
5. Repair/Alter. Description of Work. Step by step description of repair/alteration method, continue over (under item 13) or attach additional sheets as needed.
- Fabricate new skirt.
 - Replace N4 - 16" 600 lb RFWN c/w SA106-B neck.
 - Add N1 - 8" 600 lb RFWN c/w SA106-B SCH XH neck & repad.
 - Add N3 - 2" 600 lb RFWN c/w SA106-B SCH 160 neck.
 - Add N5, A,B,C - 2" 600 lb RFWN c/w SA106-B SCH 160 neck.
 - Add C2-A/B, C5 & C7 - 2" 6000 lb SA350-LF2 CPLGS.
 - Add C3, C4 - 2" 6000 lb SA350-LF2 CPLGS.
 - Add support ring.
 - Add vortex breaker to N4 inlet divertor to N1.
 - Add lift lugs. Add float protectors C2-A/B & C7.
6. Material - List material used in repair and any base material welded on:

Item	Mat'l Spec.	Thickness (Sch)	Diameter	Item	Mat'l Spec.	Thickness (Sch)	Diameter
Shell/Drums	SA212-B	2.435"	78"	Heads/Ends	SA212-B	1.21"	78"
Tubesheet				Tubes			
Nozzles				Flanges/Fittings	SA105-1	Rating 600lb	16" & 18"

7. Welding Procedure - Prov. Reg. No. _____ Repair Org. 218.2 Owners _____ W.P.S. No.s Used CWP-102/109/110
8. Heat Treatment: Bake Out (Temp Time) _____ Preheat Temp 175°F Post Weld HT (Temp & Time) 1150°F
9. Non Destructive Examination (Specify type and extent).

R.T. 100% all welds by Cessco.

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10. Pressure Test Boiler/PV Shell Tubeside/Jacket Press

a) Hydrostatic Test 600 Psi _____

b) Other Test _____ _____

11. Welded Replacement Parts: Attached are Manufacturer's Partial Data Reports or Repair Reports properly identified and signed by Authorized Inspectors for following items of this report: (Welded parts supplied by others).

12. Responsibility Owner/Client. Identify below items the owner/client has assumed responsibility for. Note (1)

a) Design Submission _____ b) Repair Proc. _____ c) Material Control _____

d) Welding Control _____ e) NDE _____ f) Heat Treatment _____ g) Pressure Test _____

Note (1) Owner/client must have a valid Q.C. program to assume responsibility for functions: c,d,e,f or g.

13. REMARKS: _____

Repad for N1 - 2 1/2" SA516-70N c/w LCVN 16/12 at 0°F

14. CERTIFICATION (to be made out after completion of work).

(a)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this Report are correct and that all design, material, construction and workmanship on this repair/alteration conform to the requirements of the Safety Codes Act and regulations, thereunder.

Except for items identified in 12:

For items identified in 12 only:

Cessco Fab. & Eng. Ltd.

(Repair Organization Name)

1014-Sept. 30, 1999

(AQP Cert. No. & Expiry Date)

(Owner/Client Organization Name)

(AQP Number & Expiry Date)

(Signature & Date)

(Signature & Date)

(b)

CERTIFICATE OF INSPECTION

I have inspected the repairs and alterations described on this report. To the best of my knowledge this work has been done in accordance with the Safety Codes Act and Regulations.

Owner User/Inspector _____ Date _____ Owner/User AQP# _____ Expiry _____

Required when inspections are not performed by ABSA Safety Codes Officer and Owner has performed inspections under a valid Owner/User Certificate.

ABSA Safety Codes Officer L. HaganDate Sept 19/97**ABSA OFFICE USE ONLY**

Report Received by _____

Date _____