FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 A# 513834.

1. Manufactured and certified by: *Opsco Energy Industries Ltd., 2601 Centre Ave East, Calgary, AB T2A 2L1* (Name and address of manufacturer)

2. Manufactured for: *DUKE ENERGY FIELD SERVICES CANADA C/O GAS LIQUIDS ENGINEERING LTD.* (Name and address of purchaser)

3. Location of installation: *GADSY - LSD: 12-12-38-19 W4M* (Name and address)

4. Type: *Vert.,Absorber* (Horiz or vert. tank) | *02-4140-1* (Mfgr's serial No.) | *L9411.213* (CRN) | *V-00-QB30ABS RP3Q3* (Drawing No.) | *N/A* (Nat'l Bd No) | *2004* (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 *2001* (Year)

to *2002* (Addenda (date)) | *N/A* (Code Case Nos.) | *N/A* (Special service per UG-120(d))

6. Shell: *SA-516-70 N* (Mat'l (Spec. No., Grade)) | *1.250"* (Nominal Thk.(in.)) | *0.125"* (Corr. Allow.(in.)) | *2' - 3.5"* (Diam. I.D. (ft.& in.)) | *26' - 0"* (Length (overall) (ft. & in.))

7. Seams: *Type 1* (Long (Welded Dbl. Sngl., Lap, Butt)) | *Full* (R.T. (Spot or Full)) | *100%* (Eff. (%)) | *N/A* (H.T. Temp. (F)) | *N/A* (Time (hr)) | *Type 1* (Girth (Welded Dbl., Sngl., Lap, Butt)) | *Spot* (R.T. (Spot, Partial or Full)) | *3* (No. of Courses)

8. Heads: (a) Mat'l *SA-516-70 N* (Spec. No. Grade) (b) Mat'l *SA-516-70 N* (Spec. No. Grade)

	Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pres (Conc/Conv)
(a)	*Both Ends*	*1.1875"*	*0.125"*			*2:1*				*Concave*
(b)										

If removable, bolts used (describe other fasteners)

9. MAWP *1395* psi at max. temp (Matl. Spec. No., Gr., Size, No.) *150* °F

Min.Design Metal Temp. ***-20* °F at *1395* Psi Hydro.,pneu, or comb. test *2093* psi.

10. Nozzles, Inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl	How Attached	Location
Inlet/Outlet	*2*	*6"*	*Cl 600 RFWN*	*SA-106B/SA-105N*	*.432"/.864"*	*Integral*	*Fig. UW-16.1(c)*	*Shell/Head*
H2O LC/HLSD/HC LC/LLSD	*4*	*2"*	*CPLG*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(c)*	*Shell*
H2O Dump/PSV/HC Dump/Insp	*4*	*2"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell*
Equalization/PSV	*1*	*1.5"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell*
LG/HECI/HECO	*3*	*1"*	*CPLG*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(c)*	*Shell*
RichGO/Insp/Xray/Spare	*12*	*1"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell*
H2O LG/TI/HC LG	*5*	*0.75"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell*
Pressure Ind.	*1*	*0.5"*	*TOL*	*SA-105 N*	*6000#*	*Integral*	*Fig. UW-16.1(a)*	*Shell*
Drain	*1*	*1.5"*	*NPT*	*SA-333-6*	*.400"*	*Integral*	*Fig. UW-16.1(c)*	*Head*

11. Supports: Skirt *YES* (Yes or no) Lugs ____ (No.) Legs ____ (No.) Other ____ (Describe) Attached *Btm Head Welded* (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (Name of part, Item number, Mfgr's name and identifying stamp)

Impact Testing: ***Exempt as per UCS-66(b) and UG-20(f)[1-5]* Radiography per: **As per UW-11(a)5(b) and UW-52*

Tag No.: *V-600* Volume: *110 cu. ft. (3.11 cu. M)*

A No: *CONSTRUCTION DWG. NO.: V-04-4140-2648 R.4*

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1. 'U' Certificate of Authorization No. *21,356* expires *July 21, 2004*

Date: *July 06, 2004* (mm/dd/yy) Co. Name *Opsco Energy Industries Ltd.* (Manufacturer) Signed *Hassan* (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by *Opsco Energy Industries Ltd* at *Calgary, Alberta, Canada*

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and / or the State or Province of *Alberta* and employed by *ABSA, Alberta Boilers Safety Association*

have inspected the component described in the Manufacturer's Data Report on *July 06,04* , and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed, or implied, concerning the pressure vessel described in the Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date *July 06, 2004* (mm/dd/yy) Signed ____ (Authorized Inspector) Commissions *Alberta 178-A* (Nat'l Bd(incl endorsements), State,Prov and No.)