FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

Additional Drawing No. (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Header Volume (cu.ft.) 1. Manufactured and certified by Air-X-Changers, A Harsco Company, 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA (Name and address of manufacturer) 2. Manufactured for VALERUS, ATTN: ACCOUNTS PAYABLE, 919 MILAM, SUITE 1000, HOUSTON, TX, 77002-5386. USA (Name and address of purchaser) 3. Location of Installation UNKNOWN (Name and address) 4. Type Heat Exchanger HDR-3. REV0 090317.3 N/A 66844 2009 (CRN) (National Board number) (Horizontal or vertical, tank) (Manufacturer's serial number) (Drawing No.) (Year built) The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 2007 A08 [Addenda (Date)] (year) (Code Case numbers) (Special Service per UG-120(d)) 6. Shell: SA516 70(N) 2 in 0 in N/A N/A (Material spec. number, grade (Nominal thickness) (Corr. allow.) (Inner diameter) [Length (overall)] C = .207. Seams: Corner Joint N/A N/A N/A N/A N/A N/A N/A [Long. (welded, dbl., sngl., lap, butt)] Eff.(%) [R.T. (spot or full)] R.T.(Spot or Full) (H.T. temp) [Girth. (welded, dbl., sngl., lap, butt)] No. of Courses Time (hr) Eff(%) 8. Heads: (a) Material (b) Material SA516 70(N) SA516 70(N) (Spec. no., grade) (Spec. no., grade) Knuckle Radius Location (Top, Bottom, Minimum Corrosion Crown Radius Elliptical Ratio Conical Hemispheri Flat Diameter Side to Pressure (Convex or Apex Angle cal Radius Fnds) Thickness Allowance Concave) TOP, BTM 1.375" Λ N/A N/A N/A N/A N/A N/A 7.5" x 93.5' (a **ENDS** 1.125" N/A N/A N/A N/A N/A 7.5" x 9.375' N/A (b) 0 If removable, bolts used (describe other fastenings) N/A (Material, spec. number, grade, size, number) at max. temp. 1440 psi 350 °F N/A 9. MAWP N/A (External) (Internal) (External) Min. design metal temp. -10 °F 1440 psi Hydro, pneu., or comb. test pressure HYDRO, at 1872 psi 10. Nozzles, inspection and safety valve openings: Diameter or Nominal How Purpose (Inlet, Outlet, Number Type Material Reinforcement Material Location Size **Thickness** Attached Drain) IN/OUT 900# RFWN SA105/SA106 GR.B SCH-80 Weld Welded Header 8" 3" AUX 900# RFWN SA105/SA106 GR.B Weld Welded SCH-80 Header DRAIN 0.75" **CPLG SA105** 6000# Weld Welded Header 11. Supports: Skirt NO N/A N/A Other Structure Attached **Bolted** Lugs Legs (Where and how) (Yes or no) (Number) (Number) (Describe) 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, Manufacturer's name and identifying stamp) Line 6 - -Tube and Plug Dimensions OR Header Dimensions: 12.1250" X 2.0" X 7' 9.5000" Straight length of tubes, OR, Distance between the headers: 34' 0.0" (A) TUBES: 203 x 1" OD, Gauge: 16BWG, Material: SA214 Rolled Tube Sheet (B) INSP.OPENINGS: 406, Type: 1-1/8X12UNF-Threaded, Material: SA105 (C) IMPACT REQUIREMENTS: PIPE AND FLANGE IMPACT Additional Remarks - See Attached U-4 CERTIFICATE OF SHOP/FIELD 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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization No. 4241 expires December 31, 2011 Signed Co. name Date 07/02/2009 Air-X-Changers, A Harsco Company (Manufacturer) CERTIFICATE OF SHOP/FIELD INSPECTION Air-X-Changers, A Harsco Company at 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA Vessel constructed by I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province OK
and employed by OneBeacon America Insurance Co., of Lynn, MA
have inspected the component described in this Manufacturer's Data Report on and employed by OneBeacon America Insurance Co., of Lynn, MA and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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. 07/02/2009 Signed Commissions 11672A, OK765 (National Board (incl. endorsements), State, Province and number)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by

Air-X-Changers, A Harsco Company, 5215 Arkansas Road, Catoosa, Oklahoma, 74015, USA

(Name and address of Manufacturer)

2. Manufactured for VALERUS, ATTN: ACCOUNTS PAYABLE, 919 MILAM, SUITE 1000, HOUSTON, TX, 77002-5386, USA (Name and address of Purchaser)					
Location of i	installation UNKNOWN				
	3	(Nam	e and address)		
Туре	Heat Exchanger (Horizontal, vertical, or sphere)	N/A	090317.3	090317.3	
	(Horizontal, vertical, or sphere)	(Tank, separator, heat exch., etc.)	(Manufacturer's serial	(Manufacturer's serial number)	
	N/A (CRN)	HDR-3, REV0 (Drawing number)	66844 (National Board number)	2009 (Year built)	
	ata Report	(2-4		(100.00.0)	
Ite	m Number		Remarks		
tional Remarks	S.:				
EMDE DED.	IIC 20/E) DIAME, IM	DAGE EVENDE DED. NGC 66/5) 5 ETC	NGC 66 CURVE D. Constructed	:	
MPT PER: nformance	UG-20(F). PLATE: IMP with Appendix 28.	PACT EXEMPT PER: UCS-66(a) & FIG.	UCS-66 CURVE D. Constructed :	ın	
Certificate of	Authorization: Type <u>"U"</u>	No. <u>4241</u>	Expires December 31, 2011		
			1	10	
Date 07/02	/2009 Name	Air-X-Changers, A Harsco Company	Signed 13,44	LAND	
				presemative)	
		(Manufacturer)			
Date 07/02/	/2009 Signed	Comr	nissions 11672A, OK7	65	