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 Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

Manufactured and certified by NORTHERN DESIGN SERVICES, INCSHOP 424 E. DRESDEN ST. KALKASKA,MI 49646 (Name and address of Manufactures)																	
(Name and address of Manufacturer) 2. Manufactured for NATURAL GAS COMPRESSION SERVICES, INC 2480 AEROPARK DR. TRAVERSE CITY, MI 49686																	
3. Location of installation UNKNOWN																	
4. Type VERT. SCRUBBER 11467 -								(Name and address) 20S15CC380			5	5813			2011		
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) 5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PR												(Year bui	t)				
	DDE. The design,)10	nESSUNE	VESSEL	
to			10											ar			
	Code Case num		[:	[Special service per UG-120(d)] 72"													
6. Sr	(Material		mber, grad	e) (N				19.25" (Inner diameter)				[Length (overall)]					
7. Seams SMLS 85 WELDED, SINGLE BUTT - 70 [Long. (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %) (H.T. temp.) (Time, hr) [Girth (welded, dbl., sngl., lap, butt)] [R.T. (spot or full)] (Eff., %)													70	1			
8. He	ads: (a) Material				516 GR70						iap, but	(/) (or full)]	. (6	II., %) (NO. 0	f courses)	
(Spec. no., grade) (Spec. no., grade)																	
Location (Top, Bottom, Ends)			imum kness	Corrosion Allowance		Knuckle Radius	Elliptical Ratio	Conical Apex Angle		Hemispher Radius	ical	l Flat Diameter		Side to Pressure (Convex or Concave)			
(a)	TOP	TOP .2203"		-	-	-	2:1	-		-					CONCA		
(b)	воттом	.22	203"	-		_	2:1	-		_				CONCAVE			
If removable, bolts used (describe other fastenings) (Material spec. number, grade, size, number)																	
9. MAWP 150 N/A																	
	_{۱۱۱)} n. design metal t				,,		·			54 PSI	(External) 4 PSI PROOF TEST: N				NI/A		
	zzles, inspection				nas:	Hydr	o., 1000)(e)(0X,X(X	XXXXXXXXXXX tes	t pr	essure <u>s</u>	J+ 1 OI			NOO	r iesi.	<u>N/A</u> .	
	Purpose		Diame			terial	Nozzle	Thickness	Rei	nforcement	Atta	chme	nt Deta	ils	Locati	ion	
(Inlet, Outlet, Drain etc.) INLET/OUTLET		No.	or Siz		Nozzle CA 406D	Flange	Nom.	Corr.		Material	Nozzle		Flan	nge (Insp. Open.)		pen.)	
SIGHT GLASS		2	6"-150 3/4"FN)# RFWN PT T.O.L	SA-106B SA-105	SA-105	3000#	-		SA-53B IHERENT	011-10.1101		TYPE		SHELLIR		
AUTO DUMP		1	1"FNF		SA-105	-	3000#	-		HERENT	UW-16.1(a)		-	OTTLEED STILL			
MAN. DUMP HLLSD/LLC		2	1"FNF	_	SA-105	ļ <u>-</u>	3000#	-		IHERENT				3,110,10			
HLLSD/LLC			2"FNF	1 HLF.CP	SA-105	-	6000#	-	IN	NHERENT UW-		5.1(c)	<u> </u>		SHE		
11. Su	pports: Skirt(Ye	YES	_ Luas	1	Leas	- Othe	r	-		Attached	T	OP/B	OTTON	и НЕ	L AD/WELD	 ED	
12 Rer	(Ye marks: Manufact	s or no)	Partial D	(Number)	(Nur	mber)	d signed b	(Describe)	. :	ad lass sets			(Whe	re and	how)		
	ns of the report:										s nave	e bee	n turni	snea	for the to	llowing	
(Name of part, item number, Manufacturer's name and identifying stamp) FOR NON-LETHAL/NON-CORROSIVE SERVICE. EXEMPT FROM IMPACT TESTING PER UG-20(f) AND UCS-66(c)																	
					CERTIFIC	CATE OF SH	OP/FIELD	COMPLIAN	CE								
We ce	rtify that the sta	temen	ts made	in this rep	ort are corre	ct and that	all details o	of design, n	nate	rial, constru	ction,	and '	workm	ansh	ip of this v	ressel	
	m to the ASME E 02/05/1		AND PF	RESSURE V	ESSEL CODI	E, Section V	'III, Division	1. "U" Cert	ifica	te of Author	ization	Nun	ber _	····	33.792		
NOPTHERN DESIGN SERVICES INC.																	
Date -		Co. na	ame <u></u>			ufacturer)	10.	Sig	ned	1.IVALIL	NDAC		resentati	ive)			
	CERTIFICATE OF SHOP/FIELD INSPECTION																
	I constructed by	***********) d - f D -			DRESDEN S					****	:	
MICH	undersigned, hol IIGAN	ину а	valid co	mmission	issued by the		nployed by		essu	re Vessel Ins	pector	's and	d/or the	Stat	e or Provii	nce of	
have inspected the component described in this Manufacturer's Data Report on 1015/// , and state that,																	
to the	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														SURE		
implie	ed, concerning t	ne pre	ssure ve	ı ı. by sıgı ssel descr	mig uns cer ibed in this	uncate ner Manufactu	mer the ins rer's Data F	spector nor Report, Fur	nis ther	ner employ	er ma	ikes a	any wa ector r	rrant	y, expressis/her em	sed or	
shall b	e liable in any m	nanner	for any	p ersonal i	njury gr prop	perty damag	ge or a loss	of any kind	d ari	sing from o	conn	ectec	with t	his in	spection.	,ioyei	
Date 4	10114111	Signed	i	W - 2	Walt	otor)		Commissio	115 -	NB14299A							
		***************************************	V	(/	Authorized Inspe	ctory]	National Board	incl. end	orsem	ients), Sta	ate, Pro	ovince, and n	ımber]	