WO 6049668



AERIAL COOLER INSPECTION REPORT

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(Metric)

Facility:	Date: December 12, 2006)6 F	Report #:		IR061212SGCc					
Area Supervisor:	Area Supervisor: BRENT JOHNSTON							W.	D. / C	.C.#	71407		
Alle and a Dear He			ODN	ST	ATIC DAT			NI-4'-	I D	d #4.	2202	- 11	
Alberta Reg. #:	66068277		CRN: P-7225.2						National Board #: 2302				
Equipment Number:	Notification	#:	6047828	5			Vessel Class: - Serial Number: 01614-1						
Manufacturer:	ICATE COC	I ED				_			100,100,000,000,000,000				
Equip. Description:	STABILIZ	ER CONDE		LEK	2002			Locat			12-05-054-20W5 BC-052143		
Equipment Tag #: Province Installed:	ALBERTA	1	Year Built: Registration	n #·	-				Company I.D.#: BC-052143 Skid / Building #: BC-052136				
MAWP: 1586						diography		0		Insulated: NO			
MAWT: 148		Capacity: Nozzle Rati	na:	150	#		diography: ess Relief:		0	Position		HORIZO	
MDMT: -29	°C	Code:	ng.	U			. Coating:		ES	Support			MIAL
			T										
Header Box Size:		178 mm	Width:	191	mm		leight:	1099	mm	Overa	II Length:	1765	mm
Tube Size:	O.D.	- mm	I.D.		mm								
		Material				Thic	ckness			Co	rrosion Al	lowance	
Wrapper plates		N/A			-			mm			-		mm
End plates		N/A			-			mm			•	mm	
Tubes		N/A						mm			-		mm
Inlet Nozzle		SA-106B		-	8.7			mm	-	-		mm	
Outlet Nozzle		SA-106B			8.7			mm			-		mm
PROCESS DATA													
Product Description:		TURAL GAS		V	10-	4:	- T		Servi		SWEET 70	-	°C
Operating Pressure:	365)		Kpa	STATIC D		g Temper	ature:			70		C
Tag Number: -		Company of the second	Manufactu				DATED						
	3C-052140		Model # /							Fauin	ment #:		
	37853-1-A11		CRN:	турс.	OG23						Stamp:	UV	NB
	38 mm		300	#	Set Press			86	Kpa		ressure:		Кра
	76 mm		150		Capacity:	-		75	SCFN		e Date:	06/2	005
	SIDE OF STAI	BILIZER TO	WER										
			IN	VSPEC	CTION DE	TAII	2.						Da Tayan
Inspection Reason:	CODE IN	SPECTION	Inspection				VE	UT					
Inspection Test Plan:		-	Inspection				VE	UT		1		-	
Last Inspection Date		-	Next Inspe				VE	UT					
Next Inspection Due:	1	2011	Outstandir	ng Re	pairs:		NO	RBI Cat	egory	: A	В	С	D
			Marie Barrie	VES	SEL STAT	TUS							All the State
Integrity Status:							IN SERVI						
This IR completes a	thorough inspe	ection; resch				ES		spection	; do n	ot resched	dule.	-	
	INSPECTION SUMMARY												
A thorough inspection to verify the equipments integrity was done by VE and UT. There were no rejectable defects observed at this time; the vessel can be recommended fit for service. There were no repairs performed that were related to this inspection. No NCR's were issued at this time. No IDR's were issued at this time. There was no internal inspection performed at this time. There was no internal NDE performed during this inspection.													
RECOMMENDATIONS The cooler's header boxes should be properly prepared and painted.													
DED AND COLUMN TOTAL													
			RE	PAIR	S COMP	LET	ED						

INSPECTION OBSERVATIONS

NON COMPLIANCES ISSUED



AERIAL COOLER INSPECTION REPORT

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Years

Facility:	GALLO	OWAY GAS PLA	NT	Date:	December	12, 2006	Report #:	IR061212SGCc		
			INSPEC	TION DE	FICIENCIES	ISSUED				
			EXTE	RNAL VIS	SUAL INSPE	CTION		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		
The cooler s	e retaining we upport is in g	elds are in tact v good condition v					king.			
The fan was	in operation	e skid frame. at time of inspe	ction; no visi	ble defect	s were noted					
The plugs are The cooler is		y a PSV that is i	n fair condition	on.						
The cooler is	painted with	h some peeling	and flaking.		والمامة والمامة	also .				
		achments are in retting on the pi				aks.				
The piping b	olt up gradin	ig is B7 and 2H.		117 111						
The attached	piping is pa	inted with no no	otable defects	S.						
		The San Control of the Control of th		EXTER	RNAL NDE					
The nominal	thicknesses	formed by Silver are not available ports for more d	le.		Ltd.					
			INTE	RNAL VIS	UAL INSPE	CTION				
	1 30 3 20 3			INTER	NAL NDE					
		The second			URE TESTS					
Test Complet	ed: -	Test Pressure:		Kpa	Test Accepta		Test Report #	-		
l th	ne undersigne		INSPECTOR equipment st				ordance with the	assigned task list		
1, 0							inspection finding			
	nal Inspector's			tor's Certif		Inspect	Date: DECEMBER 12, 2006			
	STACEY COM al Inspector's			0, UT2, MT tor's Certif		Inspector's Signature: Date:				
1110111	-							-		
							CONFIRMATION			
	spector's Nar JEFF CRABE		Inspec	tor's Certif	cation:	Inspect	or's Signature:	Date;		
	ection Interval		s": Cha	ange to:	PSV Insp	ection Interva	al: Leave "As I			

Years

Years

Office Use

Only:

Report Entered to SEQA Database by: Static Data Verified by:

Years

Date:

Date:



AERIAL COOLER INSPECTION REPORT

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Facility:

GALLOWAY GAS PLANT

Date:

December 12, 2006

Report #:

IR061212SGCc

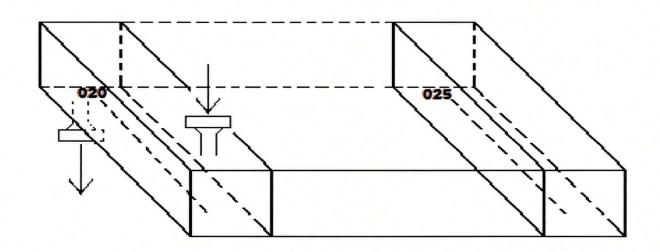




AERIAL COOLER UT REPORT

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FACILITY:		GALLOW	AY GAS PLANT		117 1141		DATE: DECEMBER 12, 2006 REPORT #: IR061212SGCc							
AREA SUPER	VISOR:	BRENT J	OHNSTON				W.O. / C.C.# 71407							
Maria de la companya						STATIC DA	4TA			The Asia				
Alberta Reg. #	:		CRN:				P-7225.2 National					Board #: 2302		
Equipment Nu	mber:	66068277		604782	6047828 Vessel Class:							-		
Manufacturer:		ACE						Serial Nu	mber:	01614-1				
Equip. Descrip	tion:	STABILIZER CONDENSATE COOLER						Location (LSD):			LSD):	12-05-054-20W5		
Equipment Ta	g #:	- Year Built:				2002	2002 Com			Company	Company I.D.#: BC-052143			
Province Insta	lled:	ALBERTA	1	Reg	istration #	t: -	1,1			Skid / Bui	lding #:	BC-052136		
MAWP:	230	PSI	Header Box Depth:	7.50	in	Tube Size: O	.D.	in	Radiogr	aphy:	NO	Code:	U	
MAWT:	-20	°F	Header Box Width:	7.50	in	Tube Size: I.I	D.	in	Stress F	Relief:	NO	Position:	HORIZONT	AL
MDMT:	-20	°F	Header Box Height:	43.25	in	Nozzle Ratin	g: 150	#	Externa	Coating:	YES	Support:	LEGS	
			Overall Length:	69.50	in	Capacity:		ft3				Insulated:	NO	
END DEZEMBLE	- No. 18 2 26	SCHOOL SECTION	Material		This is a	A Company	Th	ickness				Corrosion A	llowance	
Inlet Nozzle			SA-106E	3			0.344			in				in
Outlet Nozzle			SA-106E	3			0.344			in				in
And the facility of	Day of S	The said the		No.	in the	PROCESS L	DATA							
Product Descr	iption:				NATU	RAL GAS	4			Ser	vice:	SWEET	4	
Operating Pres	ssure:		53		PSI	Operat	ing Tempera	ture:				158		°F



2006	NOMINAL	S.O.B.	E.O.B.	LOW POINT	LOCATION OF LOW POINT	BELOW NOMINAL
LOC 020	N/A	0.509	0.506	0.504	30.00 " FROM S.O.B.	
LOC 025	N/A	0.507	0.513	0.507	0.00 " FROM S.O.B.	

NOTES:

Login Home Quality Assurance Help Exit

1/2

CONDENSER INSPECTION REPORT

						n	. 1 011			
Inspection F	Report					Print Back	Cancel			
Notification Number	6047828		Work Orde	er	604966	58				
Notification Desc	COOLER, STAB CONDENSATE	ILIZER	Maintenan	ce Plan	QPCON	QPCONDEN0045				
Tasklist Operation	(4Y Inspection	Interval) 4Y	Code Inspe	Code Inspection Condenser - Sweet Se						
Equipment 9	Static Data									
Equipment Number	66068277	Equipment Description			COOLER, STABILIZER CONDENSATE					
Class Serial Number Manufacturer	CONDENSER 01614-1 ACE	Tag Numb Year Built	er	12-05-	12-05-054-20W5					
Location	FH-FW-014-00	001	Location D	escriptio	n	GALLOWAY GAS PLANT 12-05- 054-20W5				
Provincial			PM Activity	,	Code					
Number Status Codes	NOPR ORAS		Equipment	Status	In Serv	In Service - Fully Utilized				
CRN Number	P7225.2	Code Stam	ıp	IJ		ow / Capacity				
Fluid Service	SWEET	Internal Co Exists	oating		MDMT - N Temp	Min. Design Me	etal			
Nozzle ANSI Rating		Orientation	1		Packaged	l Flag	Υ			
Shell MAWP		Shell Side Service	Fluid		Stress Re	elief				
TEMA Nomenclature		Tube MDM		-20 DEGF	Tube Mat	erial				
Tube Side Fluid	CONDENSA	TE Tube Side Service	Fluid	SWEET	Tube des	ign MAWP	230 PSI			
Vessel Diamete	r	Vessel Dia	meter		X-Ray					
PRD Static D	ata									
Equip ID Loca	tion Size Inlet Outle	Set et Pressure	Capacity Ma	anufactu	rer Seri Numb	ent a series en	Next Service Date			
							The state of the s			
Process Data										
Product Descri		TURAL GAS	Fluid Se	nvice	Swaa	et OSour	PPM			
Operating Pres		PA		ng Temp		et Soul	°C			
Pressure Te	st									
Test Complete	d OYes	No Test	Acceptable	e C	Yes On	lo Test Re	eport #			
PSV Data										
Tag/Serial N	o. Location	Size Inlet Outle	Set t Pressure	Cap	acity	Model / Type	Service Date			
SE-14780-7	PIPING	1.5" 3"	230PSI	36759	SCFM F	ARRIS	06/2006			
Inspection H Inspected By	-	BE JEFF	Inspe	ction Da	te	2006.0	6.06			

Inspection Summary									
There were no integrity concerns found during this inspection and the cooler is considered acceptable for continued service.									
Recommendations									
None.									
Repairs Completed									
Equipment Status			~						
Integrity Status Suitable for Continue	Future	diate Repairs Required Repairs Required	Replace						
Inventory Status In Service - Fully Util	zed OIdle	Surplus	OScrap						
QA Activities									
✓ Leave As-Is	verlayed ressed	Part / Component Patch Installed	Replaced						
MAWP Derated Coating	- Cleaned &	Coating - Remove Replaced	d &						
Defect Removed & Part Cle	eaned	Lapped & Dressed							
Epoxy Patched									
Noncompliances or Inspection Defi	ciencies Issued								
External Visual Inspection									
plugs are well sealed. The nameplate, piping and piping attachment condition. The tubes and tube fins were not inspected as	The coolers header boxes are painted with no notable defects. The tube plugs are well sealed. The nameplate, piping and piping attachments are in satisfactory								
the louvers were closed. The cooler is protected by a PSV that is in good	od condition								
External NDE Examination									
UT was performed by Silvertip Inspections. The dings the results are acceptable.	nere were no significa	nt fin							
Internal Visual Inspection									
Internal NDE Examination									
Data Integrity									
Inspection Interval									
Should have a 5 year interval.									
Damages									
Inspector Certification									
I, the undersigned certify that the above assigned task list and that statements wit findings.	hin this report are								
	spector gnature	MI							
Inspection HUSKY ENERGY Date of the company	ate	01/18/07	·						
Lead Inspector's Acceptance & Sch	edule Confirmat	ion 10/							
Lead Inspector <u>Jeff (n</u>	4.BB 三 Signatur	re the Di	ate <u>01/18/</u> 07						
Vessel Inspection Interval	Lea	ve as-is / Change to:							
PSV Inspection Interval	Lea	ve as-is / Change to:							