SUMMIT Inspection Services Ltd.

The Peak in Integrity and Quality Inspection

Imperial Oil Resources
1911 Broadway Ave.
Redcliff, AB
T0J 2P0

April 17, 2009

Attention: **Greg Compton**

Re: **Ultrasonic Corrosion Survey of Redcliff South Compressor Station**

Dear Sir:

As requested, an Ultrasonic Corrosion Survey was performed on several vessels at the Redcliff South Compressor Station on October 8 and 9, 2008. The **Item List** summary contains a list of all vessels that were inspected during this time. The equipment used for the inspection consisted of a Krautkramer DMS-2 Ultrasonic Instrument in conjunction with a Krautkramer KBA FH2E, ¼" dia., 5 MHz dual element transducer.

Results of the inspection found no indications of internal corrosion to be occurring and all areas appear to be in good condition. Please refer to the **Condition Indicator**, **Graphs**, and **Comment List** sections of the report for a brief summary of the inspection. The data pages contain all the information necessary for your own evaluation of the data.

All static vessel information in the report was obtained from the vessel nameplates during this and previous inspections. Several blanket assumptions have been made in the report. All piping and fittings are assumed to be either SA-106B or SA-234WPB material with a Joint Efficiency of 1.00 and with the same operating pressure and temperature as the associated vessel, and a Corrosion Allowance of .063" has been assumed for vessels and piping when none is listed on the vessel nameplate. Also, all piping associated with a vessel is assumed to have been manufactured at the time of the vessel. All static vessel information and all manufacture dates (or in-service dates) in the report should be confirmed as correct. Any areas where static vessel information is missing from the report, or where the nameplate information is incorrect, can be incorporated into the report if you let me know.

In accordance with Imperial Oil Policy, the critical thickness listed in this report and used for the calculations of Life Expectancies are based on the nominal thickness less the corrosion allowance. Therefore, the Life Expectancies in the report should only be used as a general guide and may or may not be entirely accurate. The **Condition Indicator** summary includes all items that have a calculated life expectancy of less than 100 years. All items with life expectancies greater than 100 years have not been included. Items with life expectancies of less than 10 years will be highlighted in yellow and any items with a remaining thickness below the critical thickness will be highlighted in red. Also, graphs

have been prepared showing various corrosion rates, minimum thickness, and actual point thickness for all items with life expectancies of less than 10 years.

Please refer to the **Condition Indicator**, **Graphs**, and **Comment List** sections of the report for a brief summary of the inspection. The data pages contain all the information necessary for your own evaluation of the data.

I hope this report meets with your approval and should you have any questions, please contact me at our office at your convenience.

Sincerely,

Maria Savulescu
CGSB II/SNT II

SUMMIT Inspection Services Ltd.

WESTERN
INSPECTION LTD.

Telephone: (403) 279-4540
Fax: (403) 236-3043

Imperial Oil Resources
1911 Broadway Ave.
Redcliff, AB
T0J 2P0

November 17, 2003

Attention: **Bob Adrian**

Re: **Baseline Ultrasonic Corrosion Survey of Redcliff South Compressor Station**

Dear Sir:

As requested, a Baseline Ultrasonic Corrosion Survey was performed on all Vessels and Compressor Bottles at the Redcliff South Compressor Station on November 4 and 5, 2003. The equipment used for the inspection consisted of a Krautkramer DMS-2 Ultrasonic Instrument, in conjunction with a KBA FH2E, 1/4" dia., 5 MHz, dual element transducer.

The inspection involved taking Ultrasonic Thickness readings in various locations on vessels, bottles, coolers, and associated piping at the Compressor Station to look for indications of internal corrosion and determine the overall condition of the equipment. In addition to the Ultrasonic Corrosion Survey, an MPI inspection was performed on all nozzles, couplings, and welds on the Unit #1 and Unit #2 Compressor Bottles and Coolers. Please refer to the MPI report located under the **MISC.** tab for details on the MPI inspection.

Results of the Ultrasonic Corrosion Survey found no indications of significant internal corrosion problems in any of the areas inspected and all areas appear to be in good condition. Three bands (860, 862, and 866) on the Unit #1 Compressor E-301 1st Stage Discharge Cooler (bottom) are highlighted in yellow with a life expectancy below 10 years on the **CONDITION INDICATOR** summary. This is due to the readings being slightly below the assumed nominal thickness and the fact the cooler was built in 2003. Please ignore the life expectancies for these three bands as there are no indications of internal corrosion occurring. The nominal thickness of 1.000" is assumed for the cooler and should be confirmed. Please refer to the **CONDITION INDICATOR**, and **COMMENT LIST** summaries in the report for further details on this and other areas of the inspection. The data pages found under the TAB associated with each vessel contain all the information necessary for your own evaluation of the data.

The critical thickness listed in the report and used for the calculations of Life Expectancies are 2/3 nominal thickness as per Imperial Oil policy. Therefore, the Condition Indicator values in the report should only be used as a general guide and may or may not be entirely accurate. The only blanket assumption made in the report is all piping is assumed to be SA 106 B material with a Joint Efficiency of 1.00 and with the same operating pressure and temperature as the associated vessel. However, since no

Code Calculations are being performed, this has no impact on any of the summaries in this report. Also, all piping associated with a vessel is assumed to have been manufactured at the same time as the vessel. Any areas where static vessel information is missing from the report, or where the nameplate information is incorrect, can be incorporated into the report if you let me know.

The **CONDITION INDICATOR** summary includes all items that have a calculated life expectancy of less than 100 years. All items with life expectancies greater than 100 years have not been included. Items with life expectancies of less than 10 years will be highlighted in yellow and any items with a remaining thickness below the critical thickness will be highlighted in red. Because no indications of internal corrosion were found, no graphs have been prepared.

Please refer to the **CONDITION INDICATOR** and **COMMENT LIST** sections of the report for a brief summary of the inspection. The data pages contain all the information necessary for your own evaluation of the data.

I hope this report meets with your approval and should you have any questions, please contact me at our office at your convenience.

Sincerely,

David Clements
CGSB II/SNT III

Western Inspection Ltd.

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Tab #	Tag	Description	Reg #	Serial #

Compressor Building

8		**Unit #1 Compressor (north)**		
	(a)	**V-101 1st. Stage Suction Scrubber**	A 137104	405-3-76-6
	(b)	**1st. Stage Suction Scrubber Inlet Piping**		
	(c)	**1st. Stage Suction Scrubber Outlet Piping**		
	(d)	**VBK-300 1st. Stage Suction Bottle (south stage)**	A 137089	405-3-76-9
	(e)	**1st. Stage Suction Bottle Inlet Piping**		
	(f)	**1st. Stage Suction Bottle Outlet Piping**		
	(g)	**VBK-301 1st. Stage Discharge Bottle (south stage)**	A 137103	405-3-76-13
	(h)	**1st. Stage Discharge Bottle Inlet piping**		
	(i)	**1st. Stage Discharge Bottle Outlet Piping**		
	(j)	**VBK-303 1st. Stage Suction Bottle (north stage)**	A 117882	245-76-8
	(k)	**1st. Stage Suction Bottle Inlet Piping**		
	(l)	**1st. Stage Suction Bottle Outlet Piping**		
	(m)	**VBK-302 1st. Stage Discharge Bottle (north stage)**	A 117878	245-76-12
	(n)	**1st. Stage Discharge Bottle Inlet Piping**		
	(o)	**1st. Stage Discharge Bottle Outlet Piping**		
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	(q)	**E-301 1st. Stage Discharge Cooler (bottom)**		M758006.M1
9		**Unit #2 Compressor (south)**		
	(a)	**V-103 2nd. Stage Suction Scrubber**	A 209065	56122
	(b)	**2nd. Stage Suction Scrubber Inlet Piping**		
	(c)	**VBK-310 2nd. Stage Suction Bottle**	A 209068	56125
	(d)	**2nd. Stage Suction Bottle Inlet Piping**		
	(e)	**VBK-311 2nd. Stage Discharge Bottle**	A 209069	56126
	(f)	**V-104 3rd. Stage Suction Scrubber**	A 209066	56123
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	(i)	**VBK-313 3rd. Stage Discharge Bottle**	A 209071	56128
	(j)	**3rd. Stage Discharge Bottle Outlet Piping**		
	(k)	**V-105 4th. Stage Suction Scrubber**	A 209067	56124

Tab #	Tag	Description	Reg #	Serial #
(l)		4th. Stage Suction Scrubber Inlet Piping		
(m)		4th. Stage Suction Scrubber Outlet Piping		
(n)		VBK-314 4th. Stage Suction Bottle	A 190318	10940
(o)		4th. Stage Suction Bottle Inlet Piping		
(p)		VBK-315 4th. Stage Discharge Bottle	A 190319	10941
(q)		F-210 Fuel Gas Filter		82-705
(r)		E-310 2nd. Stage Discharge Cooler		828775.3
(s)		E-311 3rd. Stage Discharge Cooler		828775.4
(t)		E-312 4th. Stage Discharge Cooler		828775.5

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008																		Next Inspect
Inlet Area																						
	1	**Inlet Header Piping**																				
		(a) **Pig Receiver**																				
		100 Top North Shell	*	*																		
		103 Bottom North Shell		*																		
		105 Bottom South Shell	*	*																		
		(b) **Pig Receiver**																				
		110 Top North Shell	*	*																		
		113 Bottom North Shell		*																		
		115 Bottom South Shell		*																		
		(c) **Pig Receiver**																				
		120 Top North Shell	*	*																		
		123 Bottom North Shell		*																		
		125 Bottom South Shell	*	*																		
		(d) **Piping**																				
		150 Bottom of 6" Pipe	*	*																		
		155 6" Elbow	*	*																		
		160 Bottom of 6" Pipe	*	*																		
		165 6" Elbow	*	*																		
		170 Bottom of 4" Pipe	*	*																		
		175 4" Elbow	*	*																		
		180 Bottom of 2" Pipe	*																			
	2	**V-100 Inlet Separator**																				
		(a) **V-100 Vessel**																				
		200 Top South Head	*	*																		
		205 Top South Shell	*	*																		
		210 Upper West Shell	*	*																		
		215 Lower East Shell	*	*																		
		220 Bottom South Shell	*	*																		
		225 Bottom South Head	*	*																		

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
		(b) Inlet Piping			
	230	8" Inlet Elbow		*	
	232	8" Inlet Nozzle		*	
		(c) Outlet Piping			
	238	8" Outlet Nozzle		*	
	239	8" Outlet Elbow		*	
	240	8" Outlet Elbow	*	*	
3		**V-101 Pigging Separator**			
		(a) V-101 Vessel			
	300	Top East Head		*	
	305	Bottom East Head		*	
	310	Top East Shell		*	
	315	Lower South Shell (west end)		*	
	320	Bottom East Shell		*	
	325	Bottom West Shell		*	
	330	Bottom West Head		*	
		(b) Piping			
	340	8" Nozzle		*	
	350	8" Nozzle		*	
	360	2" Nozzle		*	
	370	2" Nozzle		*	
	380	2" Nozzle		*	
	385	6" Nozzle		*	
Dehy Building					
4		**C-150 Glycol Absorber Tower**			
		(a) C-150 Vessel			
	420	Lower North Shell	*	*	
	425	Lower North Shell (across inlet)	*	*	
	430	Bottom West Shell	*	*	
	435	Bottom West Head	*	*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
		(b) Inlet Piping			
	440	4" Nozzle		*	
		(c) Outlet Piping			
	450	4" Outlet Elbow	*	*	
5		**R-600 Glycol Reboiler**			
		(a) R-600 Vessel			
	505	Upper West Shell (north of center)	*	*	
	510	Bottom Shell (north of center)	*	*	
	515	West Shell (north end)		*	
		(b) Accumulator			
	525	Top Middle Shell	*	*	
	530	Middle West Shell (north of center)	*	*	
	535	Bottom North Shell		*	
	540	Bottom South Shell		*	
6		**Glycol Filter**			
		(a) Vessel			
	600	Top West Head	*	*	
	605	Top South Shell	*	*	
	610	Bottom North Shell	*	*	
		Compressor Building			
8		**Unit #1 Compressor (north)**			
		(a) V-101 1st. Stage Suction Scrubber			
	800	Top North Head	*	*	
	801	Top North Shell	*	*	
	802	Bottom South Shell	*	*	
	803	Bottom South Head	*	*	
		(b) 1st. Stage Suction Scrubber Inlet Piping			
	804	8" Inlet Elbow	*	*	
	805	8" Inlet Nozzle		*	
		(c) 1st. Stage Suction Scrubber Outlet Piping			
	806	8" Outlet Nozzle		*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
(d)		**VBK-300 1st. Stage Suction Bottle (south stage)**			
	810	Bottom East Head	*	*	
	811	Top Middle Shell	*	*	
	812	Bottom Middle Shell	*	*	
	813	Bottom West Shell		*	
	814	Bottom West Head	*	*	
(e)		**1st. Stage Suction Bottle Inlet Piping**			
	815	8" Inlet Elbow	*	*	
	816	8" Inlet Nozzle		*	
(f)		**1st. Stage Suction Bottle Outlet Piping**			
	817	6" Outlet Nozzle		*	
	818	6" Outlet Nozzle		*	
(g)		**VBK-301 1st. Stage Discharge Bottle (south stage)**			
	820	Bottom East Head	*	*	
	821	Top Middle Shell	*	*	
	822	Bottom East Shell		*	
	823	Bottom West Shell		*	
	824	Top West Head		*	
	828	2" PSV Nozzle		*	
	829	2" PSV Elbow		*	
(h)		**1st. Stage Discharge Bottle Inlet piping**			
	825	6" Inlet Nozzle		*	
	826	6" Inlet Nozzle		*	
(i)		**1st. Stage Discharge Bottle Outlet Piping**			
	827	6" 45° Outlet Elbow	*	*	
(j)		**VBK-303 1st. Stage Suction Bottle (north stage)**			
	830	Bottom East Head	*	*	
	831	Top Shell (east of center)	*	*	
	832	Bottom Shell (east of center)	*	*	
	833	Bottom West Shell		*	
	834	Bottom West Head	*	*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
(k)		**1st. Stage Suction Bottle Inlet Piping**			
	835	8" Inlet Elbow	*	*	
	836	8" Inlet Nozzle		*	
(l)		**1st. Stage Suction Bottle Outlet Piping**			
	837	6" Outlet Nozzle		*	
	838	6" Outlet Nozzle		*	
(m)		**VBK-302 1st. Stage Discharge Bottle (north stage)**			
	840	Bottom West Head	*	*	
	841	Top Middle Shell	*	*	
	842	Bottom East Shell		*	
	843	Bottom West Shell		*	
	844	Top East Head		*	
(n)		**1st. Stage Discharge Bottle Inlet Piping**			
	845	6" Inlet Nozzle		*	
	846	6" Inlet Nozzle		*	
(o)		**1st. Stage Discharge Bottle Outlet Piping**			
	847	6" Outlet Elbow	*	*	
(p)		**E-300 1st. Stage Discharge Cooler (top)**			
	850	Bottom East Shell of Header Box (south	*	*	
	852	Bottom West Shell of Header Box (sout	*	*	
	854	Bottom East Shell of Header Box (north	*	*	
	856	Bottom West Shell of Header Box (north	*	*	
	857	6" Inlet Nozzle		*	
	858	6" Outlet Nozzle		*	
(q)		**E-301 1st. Stage Discharge Cooler (bottom)**			
	860	Bottom East Shell of Header Box (south	*	*	
	862	Bottom West Shell of Header Box (sout	*	*	
	864	Bottom East Shell of Header Box (north	*	*	
	866	Bottom West Shell of Header Box (north	*	*	
	867	6" Inlet Nozzle		*	
	868	6" Outlet Nozzle		*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
9		**Unit #2 Compressor (south)**			
		(a) V-103 2nd. Stage Suction Scrubber			
	900	Top North Head	*	*	
	901	Top North Shell	*	*	
	902	Middle West Shell (across inlet)	*	*	
	903	Bottom West Shell	*	*	
	904	Bottom South Head	*	*	
	907	8" Outlet Nozzle		*	
		(b) 2nd. Stage Suction Scrubber Inlet Piping			
	905	8" Inlet Elbow	*	*	
	906	6" Inlet Nozzle		*	
		(c) VBK-310 2nd. Stage Suction Bottle			
	908	Bottom West Head	*	*	
	909	Top Middle Shell	*	*	
	910	Bottom East Shell	*	*	
	911	Bottom West Shell		*	
	912	Bottom East Head		*	
	915	6" Outlet Nozzle		*	
	916	6" Outlet Nozzle		*	
		(d) 2nd. Stage Suction Bottle Inlet Piping			
	913	8" 45° Inlet Elbow	*	*	
		(e) VBK-311 2nd. Stage Discharge Bottle			
	917	Bottom East Head	*	*	
	918	Top Middle Shell	*	*	
	919	Bottom East Shell		*	
	920	Bottom West Shell		*	
	921	Top West Head		*	
	922	6" Inlet Nozzle		*	
	923	6" Inlet Nozzle		*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008																		Next Inspect
(f)		**V-104 3rd. Stage Suction Scrubber**																				
	924	Top South Head	*	*																		
	925	Top South Shell	*	*																		
	926	Middle South Shell (across inlet)	*	*																		
	927	Bottom East Shell	*	*																		
	928	Bottom East Head	*	*																		
	931	6" Outlet Nozzle		*																		
(g)		**3rd. Stage Suction Scrubber Inlet Piping**																				
	929	6" Inlet Elbow		*																		
	930	6" Inlet Nozzle		*																		
(h)		**VBK-312 3rd. Stage Suction Bottle**																				
	932	Bottom East Head	*	*																		
	933	Top Middle Shell	*	*																		
	934	Bottom East Shell		*																		
	935	Bottom West Shell		*																		
	936	Bottom West Head	*	*																		
	937	6" Inlet Nozzle		*																		
	938	8" Outlet Nozzle		*																		
(i)		**VBK-313 3rd. Stage Discharge Bottle**																				
	939	Top East Head	*	*																		
	940	Top East Shell		*																		
	941	Top West Shell		*																		
	942	Top West Head		*																		
	943	8" Inlet Nozzle		*																		
(j)		**3rd. Stage Discharge Bottle Outlet Piping**																				
	944	4" Outlet Nozzle		*																		
	945	4" Outlet Elbow	*	*																		
(k)		**V-105 4th. Stage Suction Scrubber**																				
	946	Top West Head	*	*																		
	947	Top West Shell	*	*																		
	948	Middle East Shell (across inlet)	*	*																		
	949	Bottom West Shell	*	*																		
	950	Bottom Head (south side)	*	*																		

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008	Next Inspect
(l)		**4th. Stage Suction Scrubber Inlet Piping**			
	951	4" Inlet Elbow		*	
	952	4" Inlet Nozzle		*	
(m)		**4th. Stage Suction Scrubber Outlet Piping**			
	953	4" Outlet Nozzle		*	
	954	4" Elbow		*	
(n)		**VBK-314 4th. Stage Suction Bottle**			
	955	Bottom West Head	*	*	
	956	Top Middle Shell	*	*	
	957	Bottom East Shell		*	
	958	Bottom West Shell		*	
	959	Bottom East Head	*	*	
	962	3" Outlet Nozzle		*	
(o)		**4th. Stage Suction Bottle Inlet Piping**			
	960	4" Inlet Elbow		*	
	961	4" Inlet Nozzle		*	
(p)		**VBK-315 4th. Stage Discharge Bottle**			
	963	Top East Head	*	*	
	964	Top East Shell		*	
	965	Top West Shell		*	
	967	3" Inlet Nozzle		*	
	968	3" Outlet Nozzle		*	
(q)		**F-210 Fuel Gas Filter**			
	970	Top South Shell	*	*	
	971	Middle South Shell	*	*	
	972	Bottom South Shell	*	*	
(r)		**E-310 2nd. Stage Discharge Cooler**			
	975	Bottom West Shell of Header Box (sout	*	*	
	976	Bottom West Shell of Header Box (north	*	*	
	977	6" Inlet Nozzle		*	
	978	6" Outlet Nozzle		*	

ITEM LIST

Tab	Item	Description	Nov 2003	Oct 2008																		Next Inspect
(s)		**E-311 3rd. Stage Discharge Cooler**																				
	979	Top East Shell of Header Box (south en	*	*																		
	980	Bottom West Shell of Header Box (sout	*	*																		
	981	Bottom East Shell of Header Box (north	*	*																		
	982	Bottom West Shell of Header Box (north	*	*																		
	983	4" Inlet Nozzle		*																		
	984	4" Outlet Nozzle		*																		
(t)		**E-312 4th. Stage Discharge Cooler**																				
	985	Top East Shell of Header Box (south en	*	*																		
	986	Bottom West Shell of Header Box (sout	*	*																		
	987	Bottom East Shell of Header Box (north	*	*																		
	988	Top West Shell of Header Box (north en	*	*																		
	989	3" Inlet Nozzle		*																		
	990	3" Outlet Nozzle		*																		

CONDITION INDICATOR

Tab	Item	Description	Last Inspection Date	Nominal Thickness mm	Thinnest Reading mm	Critical Thickness mm	Corrosion Rate mm/yr	Condition Indicator Years
Inlet Area								
1		**Inlet Header Piping**						
	(c)	**Pig Receiver**						
	120	Top North Shell	Oct 2008	12.70	12.22	11.10	0.01	75.9
2		**V-100 Inlet Separator**						
	(a)	**V-100 Vessel**						
	225	Bottom South Head	Oct 2008	12.70	12.27	11.10	0.01	88.7
	(b)	**Inlet Piping**						
	230	8" Inlet Elbow	Oct 2008	8.18	7.75	6.58	0.01	88.7
3		**V-101 Pigging Separator**						
	(a)	**V-101 Vessel**						
	300	Top East Head	Oct 2008	9.52	9.17	8.03	0.02	60.3
	330	Bottom West Head	Oct 2008	9.52	8.99	8.03	0.03	33.9
	(b)	**Piping**						
	340	8" Nozzle	Oct 2008	12.70	12.37	11.10	0.02	72.2
	385	6" Nozzle	Oct 2008	21.95	21.41	20.35	0.03	37.5
Dehy Building								
4		**C-150 Glycol Absorber Tower**						
	(c)	**Outlet Piping**						
	450	4" Outlet Elbow	Oct 2008	6.02	5.51	4.42	0.02	55.4
6		**Glycol Filter**						
	(a)	**Vessel**						
	600	Top West Head	Oct 2008	4.78	4.17	3.17	0.02	41.9

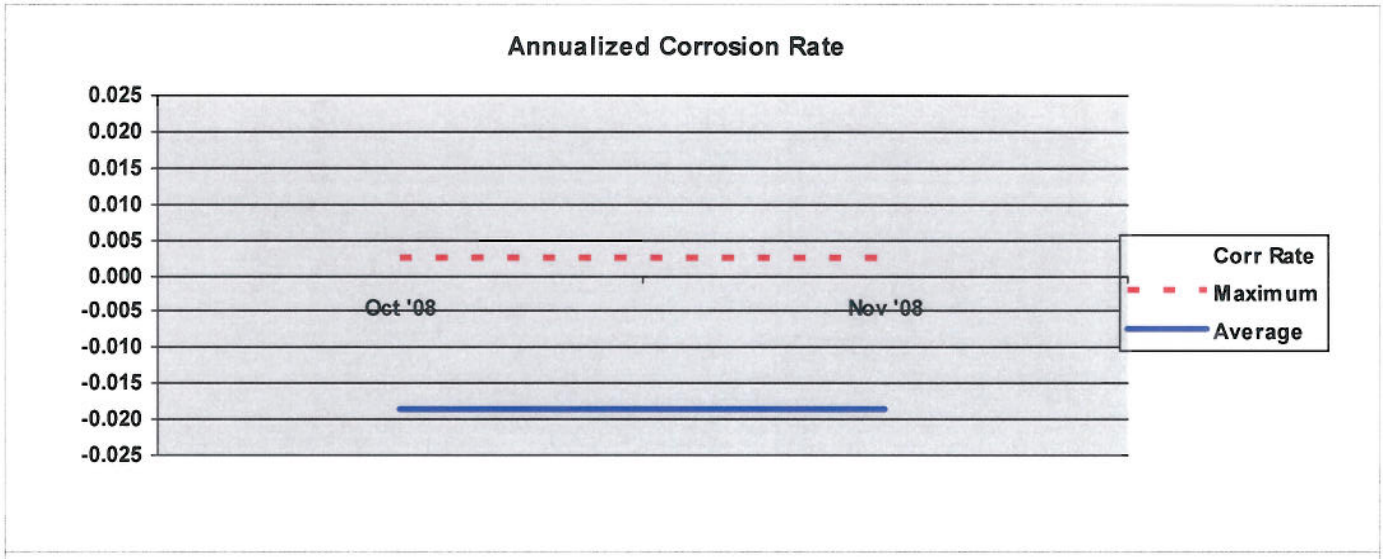
CONDITION INDICATOR

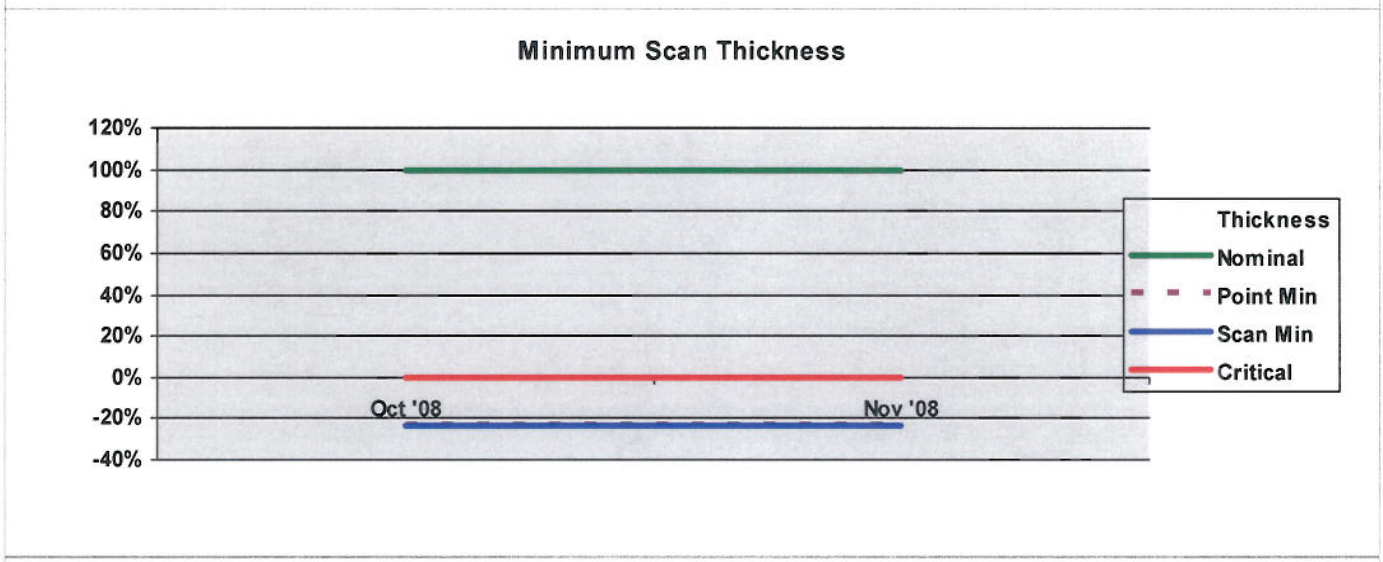
Tab	Item	Description	Last Inspection Date	Nominal Thickness mm	Thinnest Reading mm	Critical Thickness mm	Corrosion Rate mm/yr	Condition Indicator Years
Compressor Building								
8		**Unit #1 Compressor (north)**						
		(a) V-101 1st. Stage Suction Scrubber						
	801	Top North Shell	Oct 2008	9.52	8.92	7.92	0.02	52.2
		(b) 1st. Stage Suction Scrubber Inlet Piping						
	805	8" Inlet Nozzle	Oct 2008	22.22	21.54	20.62	0.02	42.8
		(c) 1st. Stage Suction Scrubber Outlet Piping						
	806	8" Outlet Nozzle	Oct 2008	22.22	21.26	20.62	0.03	21.2
		(e) 1st. Stage Suction Bottle Inlet Piping						
	815	8" Inlet Elbow	Oct 2008	12.70	11.99	11.10	0.02	40.1
		(f) 1st. Stage Suction Bottle Outlet Piping						
	818	6" Outlet Nozzle	Oct 2008	21.95	21.54	20.35	0.01	94.8
		(g) VBK-301 1st. Stage Discharge Bottle (south stage)						
	824	Top West Head	Oct 2008	9.52	7.54	7.92	0.06	-6.2
	828	2" PSV Nozzle	Oct 2008	11.07	10.64	9.47	0.01	86.9
	829	2" PSV Elbow	Oct 2008	11.07	10.36	9.47	0.02	40.1
		(h) 1st. Stage Discharge Bottle Inlet piping						
	826	6" Inlet Nozzle	Oct 2008	21.95	21.39	20.35	0.02	60.1
		(j) VBK-303 1st. Stage Suction Bottle (north stage)						
	834	Bottom West Head	Oct 2008	9.52	9.07	7.92	0.01	80.7
		(m) VBK-302 1st. Stage Discharge Bottle (north stage)						
	840	Bottom West Head	Oct 2008	9.52	9.07	7.92	0.01	80.7
	844	Top East Head	Oct 2008	9.52	8.31	7.92	0.04	10.1
		(o) 1st. Stage Discharge Bottle Outlet Piping						
	847	6" Outlet Elbow	Oct 2008	7.11	6.60	5.51	0.02	69.4
		(q) E-301 1st. Stage Discharge Cooler (bottom)						
	867	6" Inlet Nozzle	Oct 2008	11.07	10.87	9.47	0.04	39.6
	868	6" Outlet Nozzle	Oct 2008	10.97	10.74	9.37	0.04	34.5

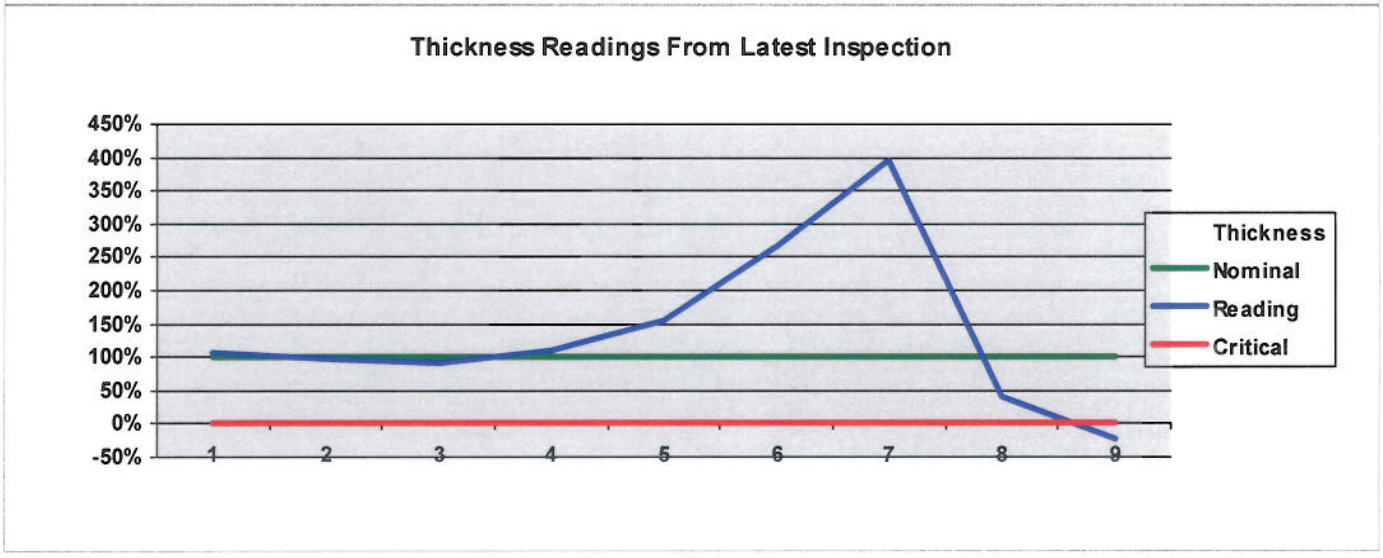
CONDITION INDICATOR

Tab	Item	Description	Last Inspection Date	Nominal Thickness mm	Thinnest Reading mm	Critical Thickness mm	Corrosion Rate mm/yr	Condition Indicator Years
9		**Unit #2 Compressor (south)**						
	(a)	**V-103 2nd. Stage Suction Scrubber**						
	901	Top North Shell	Oct 2008	12.70	12.27	11.10	0.02	69.7
	907	8" Outlet Nozzle	Oct 2008	12.70	12.01	11.10	0.03	34.4
	(e)	**VBK-311 2nd. Stage Discharge Bottle**						
	922	6" Inlet Nozzle	Oct 2008	10.97	10.59	9.37	0.01	82.5
	(f)	**V-104 3rd. Stage Suction Scrubber**						
	926	Middle South Shell (across inlet)	Oct 2008	12.70	12.22	11.10	0.02	59.7
	(g)	**3rd. Stage Suction Scrubber Inlet Piping**						
	929	6" Inlet Elbow	Oct 2008	10.97	9.91	9.37	0.04	12.9
	930	6" Inlet Nozzle	Oct 2008	10.97	10.08	9.37	0.03	20.6
	(h)	**VBK-312 3rd. Stage Suction Bottle**						
	933	Top Middle Shell	Oct 2008	12.70	12.19	11.10	0.02	55.4
	934	Bottom East Shell	Oct 2008	12.70	12.29	11.10	0.02	75.7
	935	Bottom West Shell	Oct 2008	12.70	12.32	11.10	0.01	82.5
	937	6" Inlet Nozzle	Oct 2008	10.97	10.59	9.37	0.01	82.5
	(l)	**4th. Stage Suction Scrubber Inlet Piping**						
	952	4" Inlet Nozzle	Oct 2008	8.56	7.87	6.96	0.03	34.4
	(m)	**4th. Stage Suction Scrubber Outlet Piping**						
	953	4" Outlet Nozzle	Oct 2008	8.18	7.82	6.58	0.01	90.2
	(q)	**F-210 Fuel Gas Filter**						
	972	Bottom South Shell	Oct 2008	10.97	10.62	9.37	0.01	93.7
	(r)	**E-310 2nd. Stage Discharge Cooler**						
	977	6" Inlet Nozzle	Oct 2008	10.97	10.44	9.37	0.02	51.5
	978	6" Outlet Nozzle	Oct 2008	10.97	10.44	9.37	0.02	51.5

Tab 8, Unit #1 Compressor (north)
Component (g) 1st. Stage Discharge Bottle (south stage)
Item 824, Top West Head, -6.2 years to critical thickness.







COMMENT LIST

Tab Equipment	Date Inspected	Comments	Condition indicator
Inlet Area			
1 Inlet Header Piping			
(d) Piping			
155 6" Elbow	Nov 2003	A dent was found at the bottom of the elbow on the outside radius. The dent measures approximately 1.5" x 1" and is estimated at .060" deep.	
2 V-100 Inlet Separator			
(a) V-100 Vessel	**Nov 2003**	**The paint is deteriorated and is failing across much of the vessel. Rust and minor external corrosion is occurring in the areas where the paint has failed. The external corrosion is estimated at .005" deep.**	