



New York State Department of Environmental Conservation

Site Number 7-09-009

Gladding Cordage Site Quarterly Report

Second Quarter 2012

January 2013



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Second Quarter 2012

Site Number 7-09-009

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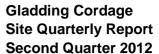
1.	Introdu	ction			1								
2.	Site Description												
3.	Operati	Operation and Maintenance											
	3.1	Treatr	atment Plant										
		3.1.1	Variable	e Frequency Drive	3								
		3.1.2	Treatme	ent Plant Controls	3								
		3.1.3	Geothe	rmal Heat Exchanger	4								
	3.2	Treatr	nent Plant	Operation	4								
		3.2.1	Treatme	ent System Sampling	5								
			3.2.1.1	Influent Sample Results	5								
			3.2.1.2	Effluent Sample Results	5								
4.	Ground	lwater	Monitor	ing Program	6								
5.	Recomi	menda	ations		7								
6.	Summa	ıry			8								
Та	ıbles												
	Table	3-1	Treatmen	t System Status and Flow Summary									
	Table	3-2	Summary 1)	of Groundwater Treatment System VOCs (Influent – RW-									
	Table	3-3	Summary 2)	of Groundwater Treatment System VOCs (Influent – RW-									
	Table	3-4	Summary	of Groundwater Treatment System VOCs (Effluent)									
Fig	jures												
	Figure	2-1	Site Loca	tion									
	Figure	3-1	Treatmen	t System Influent Sample Concentrations (1,1,1-TCA)									

Table of Contents



Appendices

- A ProControl Daily Facsimile Reports
- B O&M Checklists and System Operation Logs
- C Analytical Reporting Forms





1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D004443-5) to Malcolm Pirnie, Inc. (Malcolm Pirnie) for Operation, Maintenance, and Monitoring at the Gladding Cordage Site in New York State (Site # 7-09-009). Malcolm Pirnie has prepared this Quarterly Report in accordance with the NYSDEC-approved Work Plan to summarize site activities.



2. Site Description

The Gladding Cordage Site is located on Ridge Road, South Otselic, Chenango County, New York (Figure 2-1), along the western bank of the Otselic River. The site contains an active braided wire and rope manufacturing facility that has been in operation since 1892.



3. Operation and Maintenance

On August 23, 2007, NYSDEC provided a training session to Malcolm Pirnie personnel on the operation and maintenance (O&M) of the groundwater treatment plant at the Gladding Cordage Site. Since then, Malcolm Pirnie has maintained operation of the groundwater treatment plant. This includes the operation, maintenance, and influent/effluent sampling in accordance with the NYSDEC O&M manual (Operation and Maintenance Manual, Volume I, Gladding Cordage Site, Site 7-09-009, TAMS Consultants, Inc., 1996) (O&M Manual).

3.1 Treatment Plant

3.1.1 Variable Frequency Drive

A variable frequency drive (VFD) was installed on January 9, 2008 to regulate the speed of the air stripper blower motor. Following the installation of the VFD, effluent samples were collected at various blower motor frequencies (speeds) including 40 HZ, 50 HZ, and 60 HZ. The analyte 1,1,1-trichloroethane (1,1,1-TCA) was detected at 6 µg/l in the 40 HZ effluent sample but was not detected in the 50 HZ and 60 HZ samples. Following the completion of the January 9, 2008 sampling event the VFD was set to 50 HZ. Additional sampling was conducted in February 2008 to optimize the treatment system blower speed. Based on the results, the VFD setting was reduced to 42 HZ beginning in March 2008. The VFD setting is evaluated on a monthly basis. The current VFD setting (46 HZ) has been maintained since September 2010.

3.1.2 Treatment Plant Controls

In August 2011, the NYSDEC authorized construction and installation of a new treatment plant controls system. The new control system is designed to provide remote access to treatment plant operating parameters and improve reliability of the groundwater remediation system. The treatment plant was shut down to begin repairs and upgrades on January 30, 2012 by Aztech Technologies, Inc. (Aztech). The upgrades to the treatment system controls were completed and the treatment plant resumed operation on March 22, 2012. The treatment plant functions are controlled and monitored using an EOS Research Ltd. ProControl Programmable Logic Controller (PLC). The interface software allows remote connection to the PLC via analog phone line. The PLC and interface software also allows the treatment system to be started or stopped remotely. The PLC is programmed to send a facsimile with



the status of various system inputs and outputs on a daily basis. If input and/or output device signals exceed defined operating parameters, an alarm condition is set and the corresponding alarm information is sent via facsimile to the system user (i.e. Malcolm Pirnie).

3.1.3 Geothermal Heat Exchanger

The NYSDEC authorized the installation of a geothermal heat exchanger to provide climate control (heating and humidity) for the treatment system building. The treatment plant was shut down to begin installation of the geothermal heat exchanger on May 8, 2012 by Aztech. The geothermal heat exchanger installation and testing was completed on May 10, 2012. The heat-exchanger uses groundwater from the treatment plant as a geo-thermal energy source. The heat-exchanger is expected to provide a reduction in the energy required to heat the treatment plant building. An evaluation of heating costs will be completed during the 2012-2013 heating season.

3.2 Treatment Plant Operation

As shown on PLC facsimile reports (Appendix A), the Gladding Cordage groundwater treatment system operated without interruption in April 2012. In May 2012, the treatment system was shut down for one day due to a power failure and three days while the geothermal heat exchanger was being installed (Section 3.1.3). The PLC reports (Appendix A) show that the treatment system was shut down for four days in June due to an air stripper blower VFD failure. This shutdown was the result of a power failure.

Groundwater treatment plant inspection check lists are provided in Appendix B. As shown in the May 24, 2012 check list, a leak was found in a geothermal heat exchanger pipe fitting. The leak was isolated and treatment plant operations continued uninterrupted. The leak was repaired by Aztech on June 4, 2012.

The average monthly flow rates and total flow volumes for the second quarter 2012 operating period are summarized in Table 3-1. As shown in Table 3-1, the flow meters for RW-1 and RW-2 were inoperative prior to the treatment plant repairs. However, new recovery well flow meters were installed during the treatment plant control upgrades. Therefore, the flow rates are currently based on flow measurements reported by the PLC. Table 3-1 shows that the monthly flow rates from recovery wells RW-1 and RW-2 were consistent and the average quarterly flows were 22.9 gpm and



19.5 gpm, respectively. Based on the total flow values, approximately 5.1 million gallons of water were treated between April and June, 2012.

3.2.1 Treatment System Sampling

Influent and effluent groundwater samples were collected from the Gladding Cordage treatment system in accordance with the Work Plan and submitted to Chemtech Laboratories following chain-of-custody protocols for analysis of target compound list (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B. Analytical Reporting Forms are provided in Appendix C.

3.2.1.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize the previous year of influent VOC sample results from recovery wells RW-1 and RW-2, respectively. Figure 3-1 provides a summary of 1,1,1-TCA concentrations in samples from recovery wells RW-1 and RW-2 since September 2007. Tables 3-2 and 3-3, and Figure 3-1 show that the concentrations of 1,1,1-TCA in the samples from recovery well RW-1 ranged from 45 micrograms per liter (μ g/L) (April, 2012) to 48 μ g/L (May, 2012). The concentrations of 1,1,1-TCA in the samples from RW-2 ranged from 39 μ g/L (April and June, 2012) to 41 μ g/L (May, 2012). These results exceed the corresponding NYSDEC Class GA Standard of 5 μ g/L; however, Figure 3-1 shows that the concentrations in the samples from these wells are consistent with previous results.

As shown in Tables 3-2 and 3-3, 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE) were detected in the April, May, and June samples from recovery wells RW-1 and RW-2 but the concentrations were all less than the applicable NYSDEC Class GA Standard of 5 μ g/L. Tables 3-2 and 3-3 show that the 1,1-DCA and 1,1-DCE concentrations in the second quarter 2012 samples from RW-1 and RW-2 are consistent with previous results.

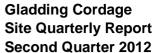
3.2.1.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. As shown in Table 3-4, no VOCs were detected in any of the first quarter 2012 effluent samples. Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately two pounds of VOCs were removed by the treatment system during the first quarter, 2012.



4. Groundwater Monitoring Program

Groundwater samples were collected from the site during the second quarter 2011 in accordance with the Work Plan. The results of the sampling even were submitted in the second quarter 2011 Gladding Cordage Site Quarterly Report and Annual Groundwater Monitoring Summary (ARCADIS, 2011). The next groundwater sampling even is scheduled to take place during the third quarter 2012.





5. Recommendations

It is recommended that a revised O&M Manual be prepared and submitted for NYSDEC-review. The O&M Manual will include information required to operate the various treatment plant systems, define system operating parameters, and provide manufacturer specifications and maintenance procedures for new and existing treatment plant components.



6. Summary

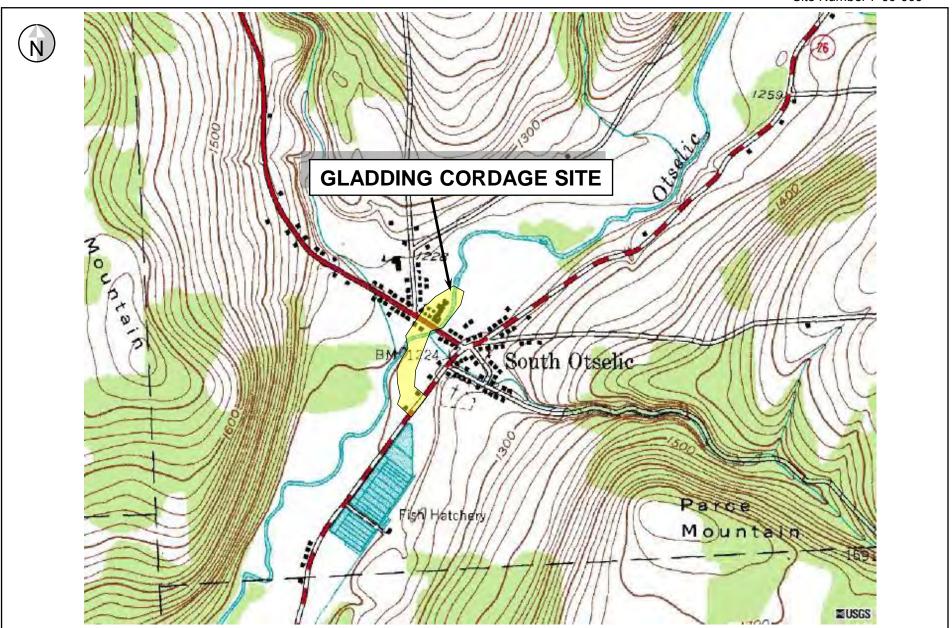
The Gladding Cordage groundwater treatment system operated without interruption in April 2012. The treatment system was shut down for one day in May 2012 and four days in June 2012 due to power failures. A new geothermal heat exchanger was installed between May 8 and 10, 2012. A minor leak in the heat exchanger piping was repaired on June 4, 2012. The average total flow rate through the treatment system is approximately 42 GPM. No VOCs were detected in the first quarter 2012 effluent samples. Based on monthly influent and effluent sampling, the treatment successfully removes VOCs from groundwater extracted from the capture zone at the current VFD setting of 46 Hz. The VFD setting will continue to be evaluated based on system monitoring results. Approximately two pounds of VOCs were removed by the treatment system during the second quarter 2012. Annual groundwater sampling is scheduled to be conducted during the third quarter 2012. It is recommended that the existing O&M Manual be updated to include recent system upgrades.



Figure 2-1 Site Location

Gladding Cordage Site South Otselic, New York Site Number 7-09-009





Source: USGS 7.5-minute Series Topographic Quadrangle, South Otselic.

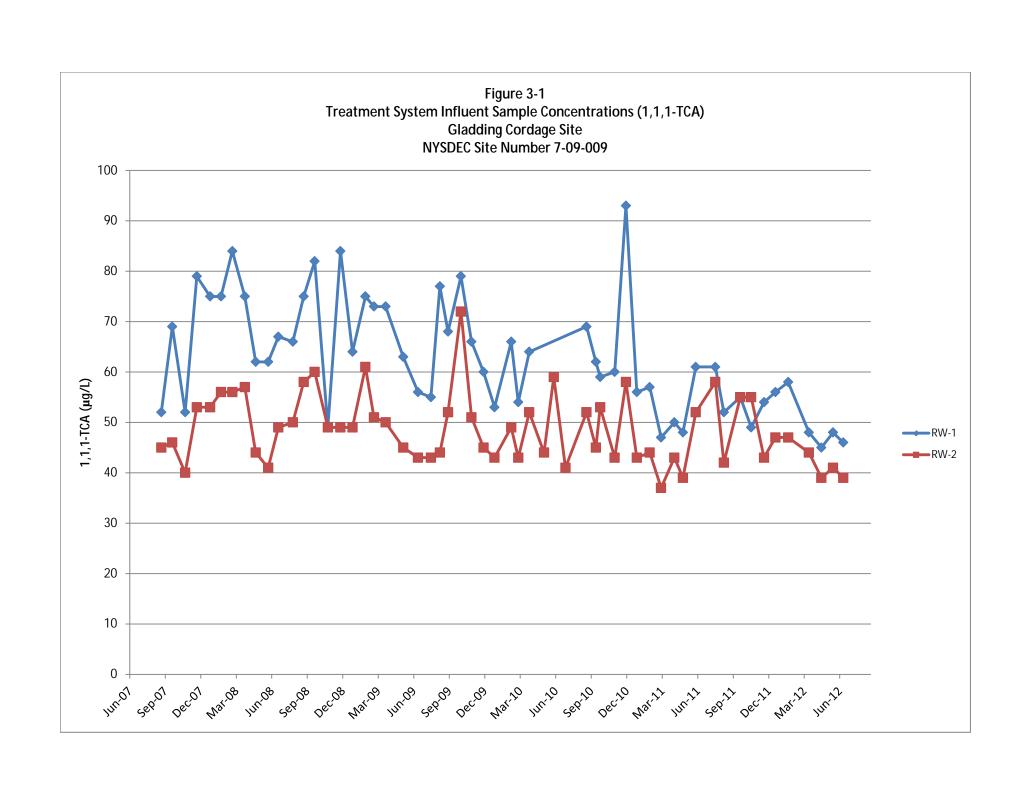


TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-04-009A

Date	System			II Total Flows	Total System	Quarterly				
	Operation	On-time	RW-1	RW-2	RW-1	RW-2	RW-1	RW-2	Flow	Totals
	(days)	(% of possible days)	(% possible)	(% possible)	(gpm)	(gpm)	(gallons)	(gallons)	(gallons)	(gallons)
August-07	8 (1)	100%	100%	100%	38	24	437,760 ⁽³⁾	276,480 ⁽³⁾	714,240	
September-07	30	100%	100%	100%	38	25	1,641,600 ⁽³⁾	1,080,000 ⁽³⁾	2,721,600	3,435,840
October-07	20	65%	100%	100%	38.2	25.7	1,100,160 ⁽³⁾	740,160 ⁽³⁾	1,840,320	
November-07	30	100%	67%	100%	39.9	24.9 ⁽²⁾	958,840 ⁽⁴⁾	1,075,680 ⁽³⁾	2,034,520	6,172,646
December-07	31	100%	39%	100%	31.8	24.9 ⁽²⁾	1,186,270 ⁽⁴⁾	1,111,536 ⁽³⁾	2,297,806	
January-08	31	100%	100%	100%	31.8	24.9 ⁽²⁾	856,620 ⁽⁴⁾	1,111,536 ⁽³⁾	1,968,156	
February-08	26	90%	69%	88%	32	24.9 ⁽²⁾	1,179,610 ⁽⁴⁾	820,385 ⁽³⁾	1,999,995	5,503,499
March-08	23	74%	100%	100%	32.9	24.9 ⁽²⁾	710,660 ⁽⁴⁾	824,688 ⁽³⁾	1,535,348	
April-08	30	100%	100%	100%	30.8	24.9 ⁽²⁾	1,051,520 ⁽⁴⁾	1,075,680 ⁽³⁾	2,127,200	
May-08	31	100%	100%	100%	31.3	24.9 ⁽²⁾	1,238,580 (4)	1,111,536 ⁽³⁾	2,350,116	6,846,908
June-08	27	90%	100%	100%	30.5	24.9 ⁽²⁾	1,401,480 ⁽⁴⁾	968,112 ⁽³⁾	2,369,592	
July-08	28	90%	68%	100%	30.1	24.9 ⁽²⁾	1,029,590 (4)	1,003,968 ⁽³⁾	2,033,558	
August-08	28	90%	100%	100%	30	24.9 ⁽²⁾	943,060 (4)	1,003,968 ⁽³⁾	1,947,028	6,201,456
September-08	30	100%	100%	100%	29.8	24.9 ⁽²⁾	1,145,190 ⁽⁴⁾	1,075,680 ⁽³⁾	2,220,870	
October-08	31	100%	100%	100%	30	24.9 ⁽²⁾	1,212,410 (4)	1,111,536 ⁽³⁾	2,323,946	
November-08	30	100%	100%	100%	31.7	24.9 (2)	1,532,370 (4)	1,075,680 ⁽³⁾	2,608,050	7,494,552
December-08	31	100%	100%	100%	31.3	24.9 ⁽²⁾	1,451,020 (4)	1,111,536 ⁽³⁾	2,562,556	

 Total Flow 2007
 5,324,630
 4,283,856
 9,608,486

 Total Flow 2008
 13,752,110
 12,294,305
 26,046,415

Notes:

- 1 System started on 8/23/07.
- 2 Flow meter inoperative. Flow based on average flow from August, September, and October 2008.
- 3 Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
- 4 Calculated from totalizer values.

gpm - Gallons per minute

TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-04-009A

Date	System	System	Well O	n-time	Flow F	Rates	Recovery We	II Total Flows	Total System	Quarterly
	Operation	On-time	RW-1	RW-2	RW-1	RW-2	RW-1	RW-2	Flow	Totals
	(days)	(% of possible days)	(% possible)	(% possible)	(gpm)	(gpm)	(gallons)	(gallons)	(gallons)	(gallons)
January-09	31	100%	100%	100%	31.3	24.9 ⁽²⁾	1,392,710 ⁽⁴⁾	1,111,536 ⁽³⁾	2,504,246	
February-09	28	100%	100%	100%	30.8	24.9 ⁽²⁾	1,363,120 ⁽⁴⁾	1,003,968 ⁽³⁾	2,367,088	6,931,910
March-09	31	100%	100%	100%	30.8	24.9 ⁽²⁾	949,040 (4)	1,111,536 ⁽³⁾	2,060,576	
April-09	30	100%	100%	100%	31.2	24.9 ⁽²⁾	1,281,120 ⁽⁴⁾	1,075,680 ⁽³⁾	2,356,800	
May-09	31	100%	100%	100%	31.5	24.9 ⁽²⁾	1,968,910 ⁽⁴⁾	1,111,536 ⁽³⁾	3,080,446	8,217,156
June-09	30	100%	100%	100%	31.1	24.9 ⁽²⁾	1,704,230 ⁽⁴⁾	1,075,680 ⁽³⁾	2,779,910	
July-09	28	90%	100%	100%	30.4	24.9 ⁽²⁾	736,020 ⁽⁴⁾	1,003,968 ⁽³⁾	1,739,988	
August-09	29	94%	100%	100%	30.6	24.9 ⁽²⁾	982,480 ⁽⁴⁾	1,039,824 ⁽³⁾	2,022,304	5,833,432
September-09	30	100%	100%	100%	30.3	24.9 ⁽²⁾	995,460 ⁽⁴⁾	1,075,680 ⁽³⁾	2,071,140	
October-09	20	65%	100%	100%	34.1	24.9 ⁽²⁾	1,363,040 (4)	717,120 ⁽³⁾	2,080,160	
November-09	29	97%	100%	100%	31.7	24.9 ⁽²⁾	866,140 ⁽⁴⁾	1,039,824 ⁽³⁾	1,905,964	6,228,096
December-09	27	87%	100%	100%	33.7	24.9 ⁽²⁾	1,273,860 ⁽⁴⁾	968,112 ⁽³⁾	2,241,972	
January-10	31	100%	100%	100%	29.2	24.9 ⁽²⁾	1,327,190 ⁽⁴⁾	1,111,536 ⁽³⁾	2,438,726	
February-10	28	100%	100%	100%	34.8	24.9 ⁽²⁾	2,029,590 ⁽⁴⁾	1,003,968 ⁽³⁾	3,033,558	7,478,090
March-10	31	100%	100%	100%	33	24.9 ⁽²⁾	894,270 ⁽⁴⁾	1,111,536 ⁽³⁾	2,005,806	
April-10	26	87%	100%	100%	35.2	24.9 ⁽²⁾	1,143,260 ⁽⁴⁾	932,256 ⁽³⁾	2,075,516	
May-10	28	90%	36%	100%	35.2	24.9 ⁽²⁾	290,240 (4)	1,003,968 ⁽³⁾	1,294,208	3,981,724
June-10	17	57%	0%	100%	0	25 ⁽²⁾	0 (4)	612,000 ⁽³⁾	612,000	
July-10	18	58%	0%	100%	0	24.9 ⁽²⁾	0 (3)	645,408 ⁽³⁾	645,408	
August-10	23	74%	0%	100%	0	24.9 ⁽²⁾	0 (3)	824,688 ⁽³⁾	824,688	4,034,736
September-10	30	100%	100%	100%	34.5 ⁽²⁾	24.9 ⁽²⁾	1,488,960 ⁽³⁾	1,075,680 ⁽³⁾	2,564,640	
October-10	31	100%	100%	90%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,489,302 ⁽³⁾	1,000,382 (3)	2,489,684	
November-10	30	100%	100%	100%	33.4 (2)	24.9 ⁽²⁾	1,441,260 ⁽³⁾	1,075,680 ⁽³⁾	2,516,940	7,271,870
December-10	27	87%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,297,134 ⁽³⁾	968,112 ⁽³⁾	2,265,246	

Total Flow 2009 14,876,130 12,334,464 27,210,594 Total Flow 2010 11,401,206 11,365,214 22,766,420

Notes:

- 1 System started on 8/23/07.
- 2 Flow meter inoperative. Flow based on previous average flows or from manual tests.
- 3 Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
- 4 Calculated from totalizer values.

gpm - Gallons per minute

TABLE 3-1
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GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-04-009A

Date	System	System	Well O	n-time	Flow F	Rates	Recovery We	II Total Flows	Total System	Quarterly
	Operation	On-time	RW-1	RW-2	RW-1	RW-2	RW-1	RW-2	Flow	Totals
	(days)	(% of possible days)	(% possible)	(% possible)	(gpm)	(gpm)	(gallons)	(gallons)	(gallons)	(gallons)
January-11	31	100%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,489,302 ⁽³⁾	1,111,536 ⁽³⁾	2,600,838	
February-11	20	71%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	960,840 ⁽³⁾	717,120 ⁽³⁾	1,677,960	6,292,350
March-11	24	77%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,153,008 ⁽³⁾	860,544 ⁽³⁾	2,013,552	
April-11	27	90%	100%	100%	33.36 ⁽²⁾	24.9 ⁽²⁾	1,297,134 ⁽³⁾	968,112 ⁽³⁾	2,265,246	
May-11	28	90%	100%	100%	33.36 ⁽²⁾	24.9 ⁽²⁾	1,345,176 ⁽³⁾	1,003,968 ⁽³⁾	2,349,144	6,544,044
June-11	23	77%	100%	100%	33.36 ⁽²⁾	24.9 ⁽²⁾	1,104,966 ⁽³⁾	824,688 ⁽³⁾	1,929,654	
July-11	6	19%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	288,576 ⁽³⁾	215,136 ⁽³⁾	503,712	
August-11	31	100%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,490,976 ⁽³⁾	1,111,536 ⁽³⁾	2,602,512	5,592,514
September-11	30	100%	100%	97%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,442,880 ⁽³⁾	1,043,410 ⁽³⁾	2,486,290	
October-11	28	90%	100%	54%	33.4 (2)	24.9 ⁽²⁾	1,346,688 ⁽³⁾	542,143 ⁽³⁾	1,888,831	
November-11	30	100%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾	1,442,880 ⁽³⁾	1,075,680 ⁽³⁾	2,518,560	7,009,903
December-11	31	100%	100%	100%	33.4 ⁽²⁾	24.9 ⁽²⁾		1,111,536 ⁽³⁾	2,602,512	
January-12	30	97%	100%	100%	22.7 (6)	18.0 ⁽⁶⁾	980,640 ⁽³⁾	777,600 ⁽³⁾	1,758,240	
February-12	0 (5)	0%	0%	0%	0	0	0	0	0	2,311,830
March-12	10	32%	100%	100%	22.7	18.0	308,309 ⁽⁴⁾	245,281 ⁽⁴⁾	553,590	
April-12	30	100%	100%	100%	22.2	18.2	965,871 ⁽⁴⁾	782,125 ⁽⁴⁾	1,747,996	
May-12	26	84%	100%	100%	22.8	20.3	882,420 ⁽⁴⁾	746,499 ⁽⁴⁾	1,628,919	5,130,889
June-12	26	87%	100%	100%	23.6	19.9	943,685 (4)	810,289 ⁽⁴⁾	1,753,974	

 Total Flow 2011
 14,853,402
 10,585,408
 25,438,810

 Total Flow 2012
 4,080,925
 3,361,794
 7,442,719

Notes:

- 1 System started on 8/23/07.
- 2 Flow meter inoperative. Flow based on previous average flows or from manual tests.
- 3 Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
- 4 Calculated from totalizer values.
- 5 System shut down for repairs.
- 6 Flow based on March 2012 PLC data.

gpm - Gallons per minute

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC	RW-1	RW-1	RW-1	RW-1	RW-1							
Sampling Date	Class GA	6/7/2011	7/27/2011	8/18/2011	9/29/2011	10/27/2011	11/29/2011	12/28/2011	1/30/2012	3/23/2012	4/24/2012	5/24/2012	6/19/2012
Matrix	Standard	WATER	WATER	WATER	WATER	WATER							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs													
1,1,1-Trichloroethane	5	61	61	52	55	49	54	56	58	48	45	48	46
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	2.7	2.3	2.1	2.7	2.5	2.6	2.6	1.8	1.8	1.9	1.9	1.8
1,1-Dichloroethene	5	1.1	2.1	1.7	1.6	3.4	2.9	2.1	1.8	1.2	1.4	1.4	1.4
1,2,4-Trichlorobenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8 J	0.5 U	0.5 U	0.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-Pentanone	50	5 U	5 U	5 U	5 U 5 U	5 U 5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetone	50	5 U	5 U	5 U			5 U	5 U	5 U	0.5 U	2.5 U	2.5 U	2.5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50 5	1 U	1 U	1 U	1 U	1 U	1.3	1 U 1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane Carbon Disulfide	5	1 U 1 U	1 U	1 U 1 U	0.5 U 0.5 U	0.5 U 0.5 U	0.5 U 0.5 U	0.5 U 0.5 U					
Carbon Distinde Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8.2	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5 5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.2 1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	,	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Methyl Acetate	-	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 UQ	0.5 U
Methyl tert-butyl Ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
t-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs		64.8	65.4	55.8	59.3	54.9	60.8	60.7	69.8	53.8	48.3	51.3	49.2

Concentration exceeds corresponding NYSDEC Class GA Standard.

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1 of 1

U - Not detected at the indicated concentration

J - Estimated concentration.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2						
Sampling Date	Class GA	6/7/2011	7/27/2011	8/18/2011	9/29/2011	10/27/2011	11/29/2011	12/28/2011	1/30/2012	3/23/2012	4/24/2012	5/24/2012	6/19/2012
Matrix	Standard	WATER	WATER	WATER	WATER	WATER	WATER						
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs													
1,1,1-Trichloroethane	5	52	58	42	55	55	43	47	47	44	39	41	39
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	1.2	1.3	1 U	2.6	1.4	1	1.1	0.86 J	0.9 J	1.1	0.9 J	0.85 J
1,1-Dichloroethene	5	0.96 J	1.8	1.6	1.8	3	1.8	1.6	1.4	0.94 J	0.94 J	0.99 J	1.4
1,2,4-Trichlorobenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U 1 U	1 U	1 U	1 U	1 U	1 U 1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	1 U 1 U	1 U 1 U	0.5 U	0.5 U 0.5 U	0.5 U	0.5 U 0.5 U						
1,4-Dichlorobenzene 2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U 2.5 U	0.5 U 2.5 U	0.5 U 2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-Pentanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	2.5 U	2.5 U	2.5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	, , , , , , , , , , , , , , , , , , ,	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	8.7	1 U	6.3	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 UQ	0.5 U
Methyl tert-butyl Ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
t-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U 49.7	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Total VOCs		54.2	61.1	43.6	59.4	59.4	54.5	49.7	55.6	45.8	41.0	42.9	41.3

Concentration exceeds corresponding NYSDEC Class GA Standard.

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U - Not detected at the indicated concentration

J - Estimated concentration.

TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sampling Date	NYSDEC GA	EFF(46HZ) 6/7/2011	EFF(46HZ) 7/27/2011	EFF(46HZ) 8/18/2011	EFF(46HZ) 9/29/2011	EFF(46HZ) 10/27/2011	EFF(46HZ) 11/29/2011	EFF(46HZ) 12/28/2011	EFF(46HZ) 1/30/2012	EFF(46HZ) 3/23/2012	EFF(46HZ) 4/24/2012	EFF(46HZ) 5/24/2012	EFF(46HZ) 6/19/2012
Matrix	Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs	ug/L	ug/L	ug/L	ug/L	ug/L	ug/∟	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1-Trichloroethane	5	1.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	1. 1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichlorotrifluoroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-Pentanone		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	2.5 U	2.5 U	2.5 U
Benzene	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform Chloromethane	/	1 U 1 U	1 U 1 U	1 U 1 U	1 U 1 U	1 U 1 U	1 U 1 U	1 U 1 U	1 U 1 U	0.5 U 0.5 U	0.5 U 0.5 U	0.5 U 0.5 U	0.5 U 0.5 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethyl Benzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
m/p-Xylenes	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1 U	1 U	1 U	1 U
Methyl Acetate		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 UQ	0.5 U
Methyl tert-butyl Ether		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylcyclohexane		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
t-1,3-Dichloropropene	0.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes

G:\PROJECT\0266365\FILE\Reports\2nd Qtr 2012\Tables 3-1, 3-2, 3-3, 3-4REV.xls3-4 Effluent VOCS

U - Not detected at the indicated concentration.

J - Estimated concentration.



Appendix A

ProControl Daily Facsimile Reports

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/04/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 22.5 W2_FLO is 18.1 **GPM** TOTAL FLOW is 437956 GAL **GPM** TOTAL FLOW is 349931 GAL ASBPRS is 10.8 IWC LIMITS are L: 5.0IWC H: 30.0IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 LIMITS are PSI \mathbf{L} : $0\,.\,0$ PSI H: 60.0 PSI BLOSPD is 0 RPM LIMITS are H: 100 L: RPM RPM W1_AMP is AMP LIMITS are L: 0.00AMP H: 10.00 AMP W2 AMP is 4.35 AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1 LVL is 35.83 \mathbf{FT} LIMITS are L:8.00 $\mathbf{F}\mathbf{T}$ H: 28.00 \mathbf{FT} W2_LVL is 60.73 \mathbf{FT} 9.00 LIMITS are L: \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 W2_PRS is 4.5 PSI LIMITS are 0.5 H: 100.0 PSI PSI PSI LIMITS are L: 0.5 PSI H: 100.0 PSI INTEMP is 49.2 DEG LIMITS L: 42.0 H: 130.0 are DEG DEG SMPAMP is 0.00 AMP LIMITS are 0.00 L:AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 22.4 W2_FLO is 18.4 GPM TOTAL FLOW is 470263 GAL **GPM** TOTAL FLOW is 376010 GAL ASBPRS is 10.8 H: 30.0 IWC LIMITS are L: 5.0IWC IWC HTXFLO is 0.0 TOTAL FLOW is **GPM** 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0PSI H: 60.0 PST BLOSPD is 0 RPM LIMITS are L: 0RPM H: 100 RPM H: 10.00 H: 10.00 H: 28.00 W1 AMP is 4.48AMP LIMITS are L: 0.00 AMP AMP W2 AMP is 4.29 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W1 LVL is 35.97 LIMITS are \mathbf{FT} L: 8.00 \mathbf{FT} \mathbf{FT} W2_LVL is 60.66 \mathbf{FT} LIMITS are \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 W2_PRS is 4.4 PSI L: 0.5 LIMITS are H: 100.0 PSI PSI $\begin{array}{lll} \text{H: } & \textbf{100.0} \\ \text{H: } & \textbf{130.0} \end{array}$ PSI LIMITS are L: 0.5PSI PSI INTEMP is 48.3 L: 42.0 DEG LIMITS are DEG DEG SMPAMP is 0.00 AMP H: 20.00 LIMITS are L: 0.00 AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/06/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF

Analog Inputs:

W1 FLO is 22.5 **GPM** TOTAL FLOW is 502565 GAL W2_FLO is 18.0 **GPM** TOTAL FLOW is 402100 GALASBPRS is 11.1 IWC LIMITS are L: 5.0 IWC H: 30.0 IWC HTXFLO is 0.0 TOTAL FLOW is **GPM** 481 GAL HTXPRS is 0.0 LIMITS are PSI \mathbf{L} : 0.0 PSI H: 60.0 PSI BLOSPD is 0 RPM LIMITS are \mathbf{L} : ñ RPM H: 100 RPM W1_AMP is 4.58 W2_AMP is 4.37 AMP H: 10.00 LIMITS are L: 0.00AMP AMP LIMITS are L: 0.00 AMP AMP H: 10.00 AMP W1 LVL is 36.22 \mathbf{FT} LIMITS are 8.00 \mathbf{L} : \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 60.64 LIMITS are \mathbf{FT} \mathbf{L} : 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 PSI LIMITS are H: 100.0 L: 0.5PSI PSI W2 PRS is 4.5 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 45.0 H: 130.0 H: 20.00 DEG LIMITS are L: 42.0 DEG DEG SMPAMP is 0.01 L: 0.00 AMP LIMITS are AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/07/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL B2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1 \overline{A} LM is OFF W2 \overline{A} LM is OFF ASBALM is OFF SMPALM is OFF ASBALM is OFF VFDRUN is OFF

Analog Inputs:

W1_FLO is 22.3 W2_FLO is 18.0 **GPM** TOTAL FLOW is 534843 GAL GPM TOTAL FLOW is 428174 GAL ASBPRS is 11.0 LIMITS are L: 5.0 IWC IWC H: 30.0 IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 LIMITS are PSI L:0.0 PSI H: 60.0 PSI BLOSPD is 0 RPM LIMITS are H: 100 L: 0RPM RPM W1_AMP is 4.62 W2_AMP is 4.41 AMP LIMITS are L: 0.00AMP H: 10.00 AMP AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL is 36.38 \mathbf{FT} LIMITS are L:8.00 $\mathbf{F}\mathbf{T}$ H: 28.00 FT W2 LVL is 60.60 FT LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 W2_PRS is 4.5 PSI LIMITS are L: 0.5H: 100.0 PSI PSI LIMITS are PSI L: 0.5PSI H: 100.0 PSI INTEMP is 44.9 DEG LIMITS are H: 130.0 L: 42.0 DEG DEG $\bar{\mathbf{L}}$: 0.00 SMPAMP is 0.00 AMP LIMITS are AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/08/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09 : LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.4 GPM TOTAL FLOW is 567079 GAL W2_FLO is 18.2 GPM TOTAL FLOW is 454259 GAL ASBPRS is 11.0 IWC LIMITS are L: 5.0 H: 30.0 IMC IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0 H: 60.0 PSI PSI BLOSPD is 0 H: 100 H: 10.00 RPM LIMITS are L:0 RPM RPM W1_AMP is 4.60 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W2_AMP is 4.39 W1_LVL is 36.2 AMP LIMITS L: 0.00 H: 10.00 are AMP AMP 36.22 \mathbf{FT} LIMITS L: 8.00 are \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 60.54 \mathbf{FT} LIMITS are 9.00 L: \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 PSI LIMITS are 0.5 $\begin{array}{lll} \text{H: } & \textbf{100.0} \\ \text{H: } & \textbf{100.0} \end{array}$ \mathbf{L} : PSI PSI W2_PRS is 4.5 PSI LIMITS are L: 0.5 PSI PSI INTEMP is 46.0 SMPAMP is 0.00 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG AMP LIMITS are L: 0.00AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/09/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

Analog Inputs:

W1 FLO is 22.1 **GPM** TOTAL FLOW is 599248 GAL W2_FLO is 17.9 TOTAL FLOW is GPM 480323 GALASBPRS is 10.7 IWC LIMITS are L: 5.0 IWC H: 30.0 IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL H: 60.0 HTXPRS is 0.0 PSI LIMITS are L: 0.0 PSI PST BLOSPD is L: H: 100 H: 10.00 RPM LIMITS are RPM RPM W1_AMP is 4.67 L: 0.00AMP LIMITS are AMP AMP W2_AMP is 4.45 $\mathbf{L}:\ 0.00$ AMP LIMITS are AMP H: 10.00 AMP W1_LVL is 35.88 W2_LVL is 60.54 LIMITS are L: 8.00 H: 28.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ \mathbf{FT} \mathbf{FT} LIMITS 9.00 $\mathbf{F}\mathbf{T}$ H: 52.00 \mathbf{FT} are \mathbf{L} : W1 PRS is 4.2 H: 100.0 L: 0.5 PSI LIMITS are PSI PSI W2_PRS is 4.5 PSI LIMITS are L: 0.5H: 100.0 PSI PSI INTEMP is 50.4 LIMITS are H: 130.0 DEG L: 42.0 DEG DEG SMPAMP is 0.00 AMP LIMITS are L: 0.00H: 20.00 AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/10/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO ASB_GO is ON is ON SMP GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.0 GPM TOTAL FLOW is 631384 GALW2 FLO is 18.1 **GPM** TOTAL FLOW is 506370 GAL ASBPRS is 10.7 IWC H: 30.0 LIMITS are IWC \mathbf{L} : 5.0 IWC HTXFLO is 0.0 **GPM** 481 TOTAL FLOW is GAL HTXPRS is 0.0 PSI LIMITS are 0.0H: 60.0 \mathbf{L} : PSI PSI BLOSPD is 0 RPM LIMITS are \mathbf{L} : 0 RPM H: 100 RPM W1_AMP is 4.58 AMP LIMITS are L: 0.00H: 10.00 AMP AMP W2 AMP is H: 10.00 AMP L: 0.00 LIMITS are AMP AMP W1_LVL is 35.94 \mathbf{FT} LIMITS are L:8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2 LVL is 60.54 \mathbf{FT} LIMITS are 9.00 \mathbf{FT} H: 52.00 \mathbf{L} : \mathbf{FT} W1_PRS is 4.2 PSI L: 0.5LIMITS are PSI H: 100.0 PSI H: 100.0 H: 130.0 H: 20.00 W2_PRS is 4.5 PSI LIMITS L: 0.5are PSI PSI INTEMP is 48.9 LIMITS are L: 42.0 DEG DEG DEG SMPAMP is 0.01 AMP L: 0.00 LIMITS are AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.2 W2_FLO is 17.9 GPM TOTAL FLOW is 663500 GAL **GPM** TOTAL FLOW is 532414 GAL ASBPRS is 10.7 IWC LIMITS are H: 30.0 \mathbf{L} : 5.0 IWC IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is GAL HTXPRS is 0.0 LIMITS are H: 60.0 PSI L: 0.0PSI PSI H: 100 H: 10.00 BLOSPD is RPM LIMITS are \mathbf{L} : RPM RPM W1 AMP is 4.58 0.00 AMPLIMITS are \mathbf{L} : AMP AMP W2 AMP is 4.38 H: 10.00 AMP LIMITS are L: 0.00AMP AMP W1_LVL is 36.10 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is W1_PRS is LVL is 60.49H: 52.00 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} \mathbf{FT} 4.2 100.0 PSI LIMITS are L:0.5 PSI H: PSI W2 PRS is 4.5 0.5 H: 100.0 PSI LIMITS are \mathbf{L} : PSI PSI INTEMP is 50.2 LIMITS are DEG L: 42.0 DEG H: 130.0 DEG SMPAMP is 0.03 AMP LIMITS are L: 0.00AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/12/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

 $W1_CTR$ is ON $W2_CTR$ is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.6 W2_FLO is 18.1 GPM TOTAL FLOW is 695648 GAL GPM TOTAL FLOW is 558452 GAL ASBPRS is 10.8 H: 30.0 IWC LIMITS are \mathbf{L} : 5.0 IWC IWC HTXFLO is 0.0 TOTAL FLOW is **GPM** 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0PST H: 60.0 PST BLOSPD is 0 RPM LIMITS are L: 0RPM H: 100 RPM H: 10.00 H: 10.00 H: 28.00 W1_AMP is 4.56LIMITS are AMP L: 0.00AMP AMP W2 AMP is 4.34 AMP LIMITS are L: 0.00 AMP AMP W1 LVL is 36.52 \mathbf{FT} LIMITS are L: 8.00 FT \mathbf{FT} W2_LVL is 60.56 W1_PRS is 4.2 W2_PRS is 4.5 \mathbf{FT} LIMITS are \mathbf{FT} H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5 H: 100.0 PSI PSI $\begin{array}{lll} \text{H: } & \textbf{100.0} \\ \text{H: } & \textbf{130.0} \end{array}$ PSI LIMITS are L: 0.5PSI PSI INTEMP is 50.4 LIMITS are DEG L: 42.0 DEG DEG SMPAMP is 0.00 AMPLIMITS are L: 0.00H: 20.00 AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/13/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

 $W1_GO$ is ON $W2_GO$ is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 22.5 **GPM** TOTAL FLOW is 727830 GAL W2 FLO is 18.2 TOTAL FLOW is 584509 **GPM** GALASBPRS is 11.0 IWC LIMITS are L: 5.0IWC H: 30.0 IWC HTXFLO is 0.0 HTXPRS is 0.0 **GPM** TOTAL FLOW is 481 GAL PSI LIMITS are 0.0 H: 60.0 \mathbf{L} : PSI PSI BLOSPD is RPM LIMITS are RPM H: 100 \mathbf{L} : RPM W1_AMP is 4.60 AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W2_AMP is 4.39 W1_LVL is 36.72 $\mathbf{L}:\ 0.00$ AMP LIMITS are H: 10.00 AMP AMP \mathbf{FT} LIMITS 8.00 are \mathbf{L} : \mathbf{FT} H: 28.00 \mathbf{FT} W2 LVL is 60.52 LIMITS are \mathbf{FT} \mathbf{L} : 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.1 PSI LIMITS are L: 0.5PSI H: 100.0 PSI W2_PRS is 4.5 PSI LIMITS are L: 0.5PSI H: 100.0 PSI H: 130.0 H: 20.00 INTEMP is 46.6 DEG LIMITS are L: 42.0 DEG DEG SMPAMP is 0.00 AMP LIMITS are L: 0.00AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/14/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ \overline{A} LM is OFF W2_ \overline{A} LM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF

Analog Inputs:

W1_FLO is 22.5 **GPM** 759987 TOTAL FLOW is GAL W2 FLO is 18.2 TOTAL FLOW is GPM 610566 GALASBPRS is 11.0 IWC LIMITS are H: 30.0 L: 5.0IWC IWC HTXFLO is 0.0 TOTAL FLOW is GPM 481 GAL HTXPRS is 0.0 LIMITS are PSI L: 0.0 H: 60.0 PSI PSI BLOSPD is H: 100 H: 10.00 RPM LIMITS L:are RPM RPM W1 AMP is 4.59 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W2_AMP is 4.39 AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL is 36.65 W2_LVL is 60.47 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} \mathbf{FT} LIMITS are H: 52.00 L: 9.00 $\mathbf{F}\mathbf{T}$ $\mathbf{F}\mathbf{T}$ W1 PRS is 4.2 PSI LIMITS are L:0.5 PSI H: 100.0 PSI W2 PRS is 4.5 LIMITS are L: 0.5 H: 100.0 PSI PSI PSI INTEMP is 47.4 SMPAMP is 0.00 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG AMP LIMITS are L: 0.00 H: 20.00 AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/15/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF
AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF
W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF
VFDRUN is OFF VFDRST is OFF

Analog Inputs:

792117 GAL W1 FLO is 21.9 GPM TOTAL FLOW is TOTAL FLOW is 636611 GAL W2FLO is 17.7 **GPM** H: 30.0 IWC LIMITS are ASBPRS is 10.5 IWC L:5.0 IWC 481 GAL TOTAL FLOW is HTXFLO is 0.0 **GPM** H: 60.0 PSI LIMITS are HTXPRS is 0.0 PSI L: 0.0 PSI H: 100 H: 10.00 0 RPM RPM LIMITS are BLOSPD is RPM \mathbf{L} : AMP 0.00 AMP W1_AMP is 4.70 AMP LIMITS are \mathbf{L} : W2_AMP is 4.50 W1_LVL is 36.36 AMP H: 10.00 AMP 0.00 AMP LIMITS are \mathbf{L} : н: 28.00 $\mathbf{F}\mathbf{T}$ LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} H: 52.00 \mathbf{FT} L: 9.00 $\mathbf{F}\mathbf{T}$ W2 LVL is 60.43 \mathbf{FT} LIMITS are H: 100.0 PSI L: 0.5 PSI LIMITS are W1_PRS is 4.2 PSI H: 100.0 PSI 0.5PSI W2_PRS is 4.5 PSI LIMITS are \mathbf{L} : H: 130.0 DEG L: 42.0 DEG INTEMP is 56.4 DEG LIMITS are H: 20.00 L: 0.00 AMP AMP SMPAMP is 0.00 LIMITS are AMP

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/16/2012

: ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE P09 :

Discrete Inputs:

W1 CTR is ON W2 CTR is ON SMPCTR is OFF ASBVFD is ON ASP_HH is OFF E_STOP is OFF ASP LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

is ON SMP GO is OFF W1 GO W2 GO ASB GO is ON is ON W1 ALM is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF SMPALM is OFF AIR_LL is OFF W2_ALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

TOTAL FLOW is 824218 W1_FLO is 22.1 **GPM** GAL W2 FLO is 18.1 GPM TOTAL FLOW is 662656 GAL H: 30.0 IWC L: 5.0 IWC ASBPRS is 10.6 IWC LIMITS are HTXFLO is 0.0 TOTAL FLOW is 481 GPM GAL H: 60.0 0.0PSI HTXPRS is 0.0 LIMITS are PSI PSI \mathbf{L} : BLOSPD is H: 100 RPM RPM LIMITS are \mathbf{L} : RPM H: 10.00 4.68 L: 0.00 AMP W1 AMP is AMP LIMITS are AMP W2_AMP is 4.45 W1_LVL is 36.52 W2_LVL is 60.52 H: 10.00 H: 28.00 0.00 AMP AMP LIMITS are AMP \mathbf{L} : FT $\mathbf{F}\mathbf{T}$ LIMITS are \mathbf{L} : 8.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ H: 52.00 \mathbf{FT} \mathbf{FT} LIMITS are \mathbf{L} : 9.00 L: 0.5 H: 100.0 PSI W1 PRS is 4.1 PSI LIMITS are PSI H: 100.0 H: 130.0 W2_PRS is 4.3 LIMITS are L: 0.5PSI PSI PSI INTEMP is 55.4 SMPAMP is 0.00 DEG DEG LIMITS are L: 42.0 DEG H: 20.00 L: 0.00 AMP AMP LIMITS are AMP

Analog Outputs:

0.0 PCT ASBSPD

JEREMY WYCKOFF

Fronc

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/17/2012 THE NYSDEC GLADDING

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE AUTO P09 :

Discrete Inputs:

SMPCTR is OFF ASBVFD is ON W1 CTR is ON W2 CTR is ON FLRSMP is OFF ACFAIL is OFF ASP_HH is OFF ASP LO is OFF

E STOP is OFF

Discrete Outputs:

SMP GO is OFF ASB GO is ON W2 GO is ON W1 GO is ON ASMPLL is OFF WI ALM is OFF AIR HH is OFF ASMPHH is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF

W2 ALM is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 22.2 **GPM** TOTAL FLOW is 856291 GAL TOTAL FLOW is 688693 GAL W2 FLO is 18.0 GPM H: 30.0 IWC LIMITS are IWC ASBPRS is 10.7 IWC \mathbf{L} : TOTAL FLOW is 481 GAL HTXFLO is 0.0 GPM H: 60.0 PSI LIMITS are PSI HTXPRS is 0.0 PSI L: 0.0H: 100 H: 10.00 **RPM** RPM BLOSPD is 0 RPM LIMITS are \mathbf{L} : Û W1_AMP is 4.62 AMP AMP AMP LIMITS are \mathbf{L} : H: 10.00 W2_AMP is 4.40 W1_LVL is 36.60 AMP 0.00 AMP AMP LIMITS are \mathbf{L} : LIMITS are L: 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} н: 52.00 \mathbf{FT} L: 9.00 \mathbf{FT} W2 LVL is 60.52 \mathbf{FT} LIMITS are PSI LIMITS are L:0.5 PSI H: 100.0 PSI W1_PRS is 4.0 H: 100.0 PSI W2_PRS PSI is 4.3 PSI LIMITS are L: 0.5INTEMP is 56.9 LIMITS are L: 42.0 DEG H: 130.0 DEG DEG H: 20.00 AMP AMP SMPAMP is 0.00 AMP LIMITS are L: 0.00

Analog Outputs:

0.0 PCT MAN ASBSPD

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/19/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

SMP GO is OFF W1 GO is ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VEDRUN is OFF VFDRST is OFF

Analog Inputs:

920459 W1 FLO is 21.9 GPM TOTAL FLOW is GAL W2 FLO is 18.2 GPM TOTAL FLOW is 740748 GAL H: 30.0 IWC ASBPRS is 10.9 IWC LIMITS are IWC HTXFLO is 0.0 TOTAL FLOW is 481 GPM GAL HTXPRS is 0.0 LIMITS are 0.0 PSI H: 60.0 PSI PSI \mathbf{L} : H: 100 BLOSPD is RPM LIMITS are \mathbf{L} : Λ RPM RPM W1 AMP is 4.58 LIMITS are L: 0.00 AMP H: 10.00 AMP AMP W2_AMP is 4.38 W1_LVL is 36.63 W2_LVL is 60.43 H: 10.00 L: 0.00 AMP LIMITS are AMP AMP \mathbf{FT} LIMITS are 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} L: H: 52.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ LIMITS are $\mathbf{L}_{:}$ 9.00 \mathbf{FT} W1 PRS is 4.1 L: 0.5 H: 100.0 PSI PSI LIMITS are PSI H: 100.0 H: 130.0 H: 20.00 W2_PRS is 4.3 PSI LIMITS are L: 0.5 PSI PSI INTEMP is 49.2 SMPAMP is 0.00 DEG LIMITS are L: 42.0 DEG DEG L: 0.00 AMP LIMITS are AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/20/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1 CTR is ON W2 CTR is ON ASBVFD is ON SMPCTR is OFF ASP HH is OFF ASP LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF
AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF
W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF
VFDRUN is OFF VFDRST is OFF

Analog Inputs:

952524 GAL W1 FLO is 22.6 **GPM** TOTAL FLOW is GAL W2_FLO is 17.8 GPM TOTAL FLOW is 766745 H: 30.0 IWC IWC ASBPRS is 10.7 IWC LIMITS are \mathbf{L} : TOTAL FLOW is 481 GAL HTXFLO is 0.0 GPM н: 60.0 PSI HTXPRS is 0.0 PSI LIMITS are L: 0.0PSI H: 100 H: 10.00 L: 0RPM RPM BLOSPD is 0 RPM LIMITS are W1_AMP is 4.60 W2_AMP is 4.38 W1_LVL is 36.44 AMP 0.00 LIMITS \mathbf{L} : AMP AMP are L: 0.00 AMP H: 10.00 AMP LIMITS are AMP H: 28.00 L: 8.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} LIMITS are H: 52.00 H: 100.0 L: 9.00 \mathbf{FT} \mathbf{FT} $\mathbf{F}\mathbf{T}$ W2_LVL is 60.43 LIMITS are W1_PRS is 4.1 0.5 PSI PSI PSI LIMITS are \mathbf{L} : W2_PRS is 4.4 INTEMP is 54.2 0.5 PSI H: 100.0 PSI PSI LIMITS are \mathbf{L} : L: 42.0 DEG H: 130.0 DEG DEG LIMITS are L: 0.00 AMP H: 20.00 AMP SMPAMP is 0.01 AMP LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/25/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1 CTR is ON W2 CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

SMP GO is OFF W2 GO is ON ASB GO is ON W1 GO is ON W1_ALM is OFF ASMPLL is OFF ASMPHH is OFF AIR_HH is OFF AIR LL is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF VEDRUN is OFF VFDRST is OFF

Analog Inputs:

GPM TOTAL FLOW is GAL W1_FLO is 22.3 W2 FLO is 17.8 **GPM** TOTAL FLOW is 897021 GAL ASBPRS is 10.7 LIMITS are \mathbf{L} : 5.0 IWC H: 30.0 IWC IWC HTXFLO is 0.0 TOTAL FLOW is 481 GAL **GPM** LIMITS are 0.0 PSI H: 60.0 PSI HTXPRS is 0.0 PSI \mathbf{L} : H: 100 RPM L: 0LIMITS are RPM BLOSPD is 0 RPM H: 10.00 AMP W1_AMP is 4.59 LIMITS are L: 0.00 AMP AMP H: 10.00 AMP W2_AMP 0.00 AMPis 4.38 AMP LIMITS are \mathbf{L} : H: 28.00 W1_LVL is 37.82 W2_LVL is 61.61 8.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} LIMITS are \mathbf{L} : LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{FT} H: 100.0 PSI L: 0.5 PSI W1 PRS is 4.1 PSI LIMITS are H: 100.0 H: 130.0 LIMITS are L: 0.5PSI PSI PSI W2 PRS is 4.4 INTEMP is 49.2 SMPAMP is 0.00 DEG DEG LIMITS are L: 42.0 DEG L: 0.00 H: 20.00 AMP AMP AMPLIMITS are

Analog Outputs:

JEREMY WYCKOFF

From

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/26/2012 THE NYSDEC GLADDING

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09 : LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON ASP_HH is OFF E_STOP is OFF SMPCTR is OFF W2 CTR is ON ASBVFD is ON ASP LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

SMP_GO is OFF W1_ALM is OFF ASB_GO is ON W1_GO W2_GO is ON is ON ASMPHH is OFF ASMPLL is OFF AIR HH is OFF SMPALM is OFF AIR LL is OFF W2 ALM is OFF ASBALM is OFF VFDRST is OFF VFDRUN is OFF

Analog Inputs:

GAL W1_FLO is 22.5 **GPM** TOTAL FLOW is 1145521 W2_FLO is 18.0 923127 GAL **GPM** TOTAL FLOW is H: 30.0 IWC 5.0 IWC LIMITS are ASBPRS is 10.9 IWC \mathbf{L} : HTXFLO is 0.0 TOTAL FLOW is 481 GAL **GPM** H: 60.0 PSI L: 0.0 PSI HTXPRS is 0.0 PSI LIMITS are 100 RPM LIMITS are RPM RPM \mathbf{L} : BLOSPD is 0 0.00 H: 10.00 AMP AMP W1_AMP is 4.59 AMP LIMITS are \mathbf{L} : W2 AMP is 4.37 LIMITS are L: 0.00AMP H: 10.00 AMP AMP H: 28.00 \mathbf{FT} 8.00 \mathbf{FT} W1 LVL is 37.84 \mathbf{FT} LIMITS are H: 52.00 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} \mathbf{FT} W2_LVL is 61.34 100.0 PSI H: LIMITS are L:0.5PSI W1_PRS is 4.0 PSI H: 100.0 PSI LIMITS are L: 0.5 PSI W2 PRS PSI is 4.4 130.0 DEG L: 42.0 LIMITS are DEG H: INTEMP is 46.5 DEG H: 20.00 AMP AMP LIMITS are L: 0.00AMP SMPAMP is 0.01

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/27/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

SMP GO is OFF W2 GO is ON ASB GO is ON W1 GO is ON W1_ALM is OFF ASMPLL is OFF ASMPHH is OFF AIR HH is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF W2_ALM is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

GPM TOTAL FLOW is 1177695 GAL $W1_FLO$ is 22.5 $W2^{-}FLO$ is 18.2GPM TOTAL FLOW is 949199 GAL ASBPRS is 10.7 \mathbf{L} : 5.0 IWC H: 30.0 IWC IWC LIMITS are HTXFLO is 0.0 TOTAL FLOW is 481 GAL **GPM** 0.0 PSI H: 60.0 PSI HTXPRS is 0.0 PSI LIMITS are \mathbf{L} : H: 100 L: 0RPM LIMITS are RPM BLOSPD is 0 RPM AMP H: 10.00 L: 0.00 AMP LIMITS are W1 AMP is 4.62 AMP H: 10.00 H: 28.00 W2_AMP 0.00 AMP AMP is 4.40 AMP LIMITS are L: W1_LVL is 37.77 W2_LVL is 61.32 8.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} LIMITS are L: H: 52.00 $\mathbf{F}\mathbf{T}$ LIMITS are 9.00 \mathbf{FT} \mathbf{FT} L: H: 100.0 PSI L: 0.5 W1 PRS is 4.1 PSI LIMITS PSI are H: 100.0 H: 130.0 L: 0.5 PSI PSI LIMITS are W2_PRS is 4.3 PSI INTEMP is 50.0 DEG LIMITS are L: 42.0 DEG DEG L: 0.00 H: 20.00 AMP AMP SMPAMP is 0.00 AMPLIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/28/2012

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASBALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.1 **GPM** TOTAL FLOW is 1209884 GAL W2 FLO is 18.0 **GPM** TOTAL FLOW is 975296 GAL ASBPRS is 11.0 H: 30.0 IWC IWC 5.0 IWC LIMITS are \mathbf{L} : TOTAL FLOW is HTXFLO is 0.0 **GPM** 481 GAL HTXPRS is 0.0 LIMITS are H: 60.0 PSI 0.0 PSI \mathbf{L} : PSI BLOSPD is H: 100 RPM RPM LIMITS are \mathbf{L} : RPM H: 10.00 W1_AMP is 4.65 AMP L: 0.00 LIMITS are AMP AMP W2_AMP is W1_LVL is H: 10.00 is 4.42 AMP LIMITS are 0.00 AMP AMP \mathbf{L} : 38.23 28.00 $\mathbf{F}\mathbf{T}$ LIMITS are L:8.00 \mathbf{FT} H: \mathbf{FT} W2 LVL is 61.21 $\mathbf{F}\mathbf{T}$ LIMITS are 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{L} : W1 PRS is 4.1 PSI LIMITS L: 0.5PSI H: 100.0 PSI are H: 100.0 W2_PRS is 4.4 LIMITS are PSI PSI PSI L: 0.5 INTEMP is 46.3 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG SMPAMP is 0.00 H: 20.00 AMP AMP LIMITS are L: 0.00AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 04/29/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ \overline{A} LM is OFF W2_ \overline{A} LM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF

Analog Inputs:

W1 FLO is 22.6 **GPM** TOTAL FLOW is 1242064 GALW2 FLO is 18.3 **GPM** TOTAL FLOW is 1001368 GAL ASBPRS is 11.1 IWC LIMITS are L: 5.0 IWC H: 30.0IWC HTXFLO is 0.0 TOTAL FLOW is **GPM** 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0 H: 60.0 PSI PSI BLOSPD is 0 RPM LIMITS are L:Ω RPM **H**: 100 RPM $W1_AMP$ is 4.63AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W2_AMP is 4.42 W1_LVL is 38.13 LIMITS are L: 0.00 AMP H: 10.00 AMP AMP \mathbf{FT} LIMITS 8.00 are L: \mathbf{FT} H: 28.00 \mathbf{FT} $W2_LVL$ is 61.09 $\mathbf{F}\mathbf{T}$ LIMITS are L:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 PSI LIMITS are L: 0.5 H: 100.0 PSI PSI W2_PRS is 4.5 INTEMP is 45.3 PSI LIMITS are L: 0.5PSI H: 100.0 PSI H: 130.0 H: 20.00 DEG LIMITS are L: 42.0 DEG DEG SMPAMP is 0.00 AMP LIMITS are L: 0.00AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

Analog Inputs:

W1 FLO is 22.5 GPM TOTAL FLOW is 1274180 GAL W2 FLO is 18.3 **GPM** TOTAL FLOW is 1027406 GAL ASBPRS is 11.1 IWC LIMITS are L: 5.0 IWC H: 30.0IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L:0.0 H: 60.0 PSI PSI BLOSPD is 0 RPM LIMITS are L: 0RPM H: 100 RPM $W1_AMP$ is 4.54AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W2_AMP is 4.34 W1_LVL is 38.1 H: 10.00 AMP LIMITS are L: 0.00 AMP AMP 38.14 \mathbf{FT} LIMITS are 8.00 L: \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 61.00 $\mathbf{F}\mathbf{T}$ LIMITS are L:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} H: 100.0 W1 PRS is 4.2 PSI LIMITS are L: 0.5PSI PSI W2_PRS is 4.5 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 46.1 SMPAMP is 0.00 H: 130.0 H: 20.00 DEG LIMITS are L: 42.0 DEG DEG AMP LIMITS are L: 0.00AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/01/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.0 GPM TOTAL FLOW is 1306258 GALW2_FLO is 17.7 **GPM** TOTAL FLOW is 1053395 GAL ASBPRS is 10.5 IWC LIMITS are L: 5.0IWC H: 30.0 IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GALHTXPRS is 0.0 PSI LIMITS are H: 60.0 L:0.0 PSI PSI BLOSPD is 0 L: 0H: 100 RPM LIMITS are RPH RPM W1_AMP is 4.61 W2_AMP is 4.38 AMP LIMITS are L: 0.00AMP H: 10.00 AMP AMP LIMITS L: 0.00 are AMP H: 10.00 AMP W1 LVL is 37.68 FT LIMITS L: 8.00 are \mathbf{FT} H: 28.00 \mathbf{FT} W2 LVL is 61.00 \mathbf{FT} LIMITS are 9.00 \mathbf{L} : \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.2 W2_PRS is 4.4 INTEMP is 54.8 0.5 PSI LIMITS are L: PSI H: 100.0 PSI PSI LIMITS are L: 0.5PSI H: 100.0 PSI DEG LIMITS are L: 42.0 DEG H: 130.0 DEG SMPAMP is 0.01 AMP LIMITS are L:0.00 AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 22.2 **GPM** TOTAL FLOW is 1338325 GAL W2 FLO is 18.0 GPM TOTAL FLOW is 1079399 GAL LIMITS are ASBPRS is 10.6 IWC H: 30.0 L:IWC IWC HTXFLO is 0.0 GPM TOTAL FLOW is 481 GAL HTXPRS is 0.0 LIMITS are PSI L: 0.0PSI H: 60.0 PSI BLOSPD is Û RPM LIMITS are L: 0H: 100 RPM RPM W1 AMP is 4.56 H: 10.00 H: 10.00 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W2 AMP is 4.36 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W1_LVL is 37.96 W2_LVL is 61 11 \mathbf{FT} LIMITS are L: 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} $\overline{\text{LVL}}$ is 61.11 LIMITS are \mathbf{FT} L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1 H: 100.0 PSI LIMITS are L: PSI PSI W2 PRS is 4.4 PSI LIMITS are 0.5 \mathbf{L} : PSI H: 100.0 PSI INTEMP is 55.4 SMPAMP is 0.01 H: 130.0 DEG LIMITS are L: 42.0 DEG DEG AMP LIMITS are L: 0.00 AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/03/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P09: LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF SMPALM is OFF ASBALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 22.4 **GPM** TOTAL FLOW is GAL W2_FLO is 18.0 **GPM** TOTAL FLOW is 1105381 GAL ASBPRS is 10.5 IWC LIMITS are L: 5.0 H: 30.0 IWC IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0 H: 60.0 PSI PSI BLOSPD is 0 RPM LIMITS are L: 0RPM H: 100 RPM W1 AMP is 4.64 AMP LIMITS are L:0.00 H: 10.00 AMP AMP W2_AMP is 4.42 AMP LIMITS are H: 10.00 H: 28.00 L:0.00 AMP AMP W1_LVL is 37.85 W2_LVL is 61.00 W1_PRS is 4.1 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ \mathbf{FT} LIMITS are L: 9.00 H: 52.00 \mathbf{FT} \mathbf{FT} PSI LIMITS are L: 0.5 PSI H: 100.0 PSI W2_PRS is 4.3 PSI 0.5 H: 100.0 H: 130.0 LIMITS are L:PSI PSI INTEMP is 57.4 DEG LIMITS are L: 42.0 DEG DEG SMPAMP is 0.01 AMP H: 20.00 LIMITS are L: 0.00 AMP AMP

Analog Outputs:



ALARM Fax Report ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 23:14:15 ON 05/03/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

Vstem Status:

AUTO P19 :

LAST SHUTDOWN @ 13:03:26 ON 03/23/2012 BY REMOTE FAX REPORT INITIATED BY PROCESS 18

Discrete Inputs:

W1 CTR is OFF W2_CTR is OFF ASBVFD is OFF SMPCTR is OFF ASP HH is OFF FLRSMP is OFF ASP LO is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO is OFF W2_GO is OFF ASB_GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is ON W2 ALM is ON ASBALM is OFF AIR LL is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 0.0 GPM TOTAL FLOW is 1393515 GAL W2FLO is 0.0 **GPM** TOTAL FLOW is 1124003 GAL ASBPRS is 0.5 IWC LIMITS are L:IWC H: 30.0 IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0 PSI H: 60.0 PSI BLOSPD is 0 LIMITS are H: 100 RPM L: 0 RPM RPM H: 10.00 H: 10.00 W1 AMP is 0.01 AMP LIMITS are L:0.00 AMP AMP W2 AMP is 0.00 LIMITS are AMP L:0.00 AMP AMP H: 28.00 W1 LVL is 39.22 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} W2_LVL is 61.72 $\mathbf{F}\mathbf{T}$ 9.00 H: 52.00 LIMITS are \mathbf{FT} \mathbf{FT} W1_PRS is 0.0 W2_PRS is 0.0 H: 100.0 PSI LIMITS are L: 0.5PSI PSI PSI LIMITS are L:0.5 PSI H: 100.0 PSI INTEMP is 62.1 LIMITS are DEG 42.0 DEG H: 130.0 DEG L:SMPAMP is 0.01 AMP LIMITS are L: 0.00 AMP H: 20.00 AMP

Analog Outputs:

ASBSPD

0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 23:27:00 ON 05/03/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL FAX REPORT INITIATED BY PROCESS 19

Discrete Inputs:

W1_CTR is OFF W2_CTR is OFF ASBVFD is OFF SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

W1 GO is OFF W2 GO is OFF ASB_GO is OFF SMP_GO is OFF ASMPHH is OFF AIR_HH is OFF ASMPLL is OFF W1_ALM is ON W2 ALM is ON ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 1393515 GAL TOTAL FLOW is W2 FLO is 0.0 **GPM** 1124003 GAL ASBPRS is 0.1 IWC LIMITS are L: 5.0 H: 30.0 IWC IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0 H: 60.0 PSI PSI BLOSPD is 0 RPM LIMITS are L:H: 100 H: 10.00 RPM RPM W1_AMP is 0.01 W2_AMP is 0.00 W1_LVL is 39.40 AMP LIMITS are L: 0.00AMP AMP AMP LIMITS are L: 0.00 H: 10.00 AMP AMPLIMITS are \mathbf{FT} L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 61.85 \mathbf{FT} H: 52.00 H: 100.0 LIMITS are L:9.00 \mathbf{FT} \mathbf{FT} W1_PRS is 0.0 PSI LIMITS are 0.5 L:PSI PSI W2_PRS is 0.0 INTEMP is 61.4 PSI LIMITS are L: 0.5PSI H: 100.0 PSI LIMITS are DEG L: 42.0 DEG H: 130.0 DEG SMPAMP is 0.01 AMP LIMITS are AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

MANUAL

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL

Discrete Inputs:

W1_CTR is OFF W2_CTR is OFF ASBVFD is OFF SMPCTR is OFF ASP_HH is OFF ASP_LO is ON FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is OFF W2 GO is OFF ASB GO is OFF SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is ON ASBALM is OFF W2 ALM is ON SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 0.0 **GPM** TOTAL FLOW is 1393515 GALGPM TOTAL FLOW is 1124003 GAL ASBPRS is 0.0IWC LIMITS are L: 5.0H: 30.0 IWC IWC HTXFLO is 0.0 GPM TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are 0.0 \mathbf{L} : H: 60.0 PSI PSI BLOSPD is 0 L: 0RPM LIMITS are RPM H: 100 RPM W1 AMP 0.01 is AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W2_AMP is 0.00 AMP LIMITS 0.00 H: 10.00 are L:AMP AMPW1 LVL is 39.91 \mathbf{FT} LIMITS are 8.00 \mathbf{L} : \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 62.14 W1_PRS is 0.0 W2_PRS is 0.0 \mathbf{FT} LIMITS are 9.00 H: 52.00 L: \mathbf{FT} \mathbf{FT} PSI LIMITS are L: 0.5 PSI H: 100.0 PSI H: 100.0 H: 130.0 PSI LIMITS are L: 0.5PST PSI INTEMP is 59.6 DEG LIMITS are \mathbf{L} : 42.0 DEG DEG SMPAMP is 0.01 AMP H: 20.00 LIMITS are L: 0.00 AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/05/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 22.4 W2_FLO is 18.2 GPM TOTAL FLOW is 1419562 GPM TOTAL FLOW is 1145707 GAL ASBPRS is 10.5 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are L: 0.0PSI H: 60.0 PSI BLOSPD is 0 RPM LIMITS are L: 0H: 100 RPM RPM W1_AMP is 4.70 H: 10.00 H: 10.00 AMP LIMITS are L:0.00 AMP AMP W2_AMP is 4.51 AMP LIMITS are L:0.00 AMP AMP W1_LVL is 37.97 W2_LVL is 61.21 W1_PRS is 3.9 H: 28.00 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} LIMITS are \mathbf{FT} L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5PSI H: 100.0 PSI W2 PRS is 4.2 PSI LIMITS are \mathbf{L} : 0.5 PSI H: 100.0 PSI INTEMP is 58.5 LIMITS are DEG L: 42.0 H: 130.0 DEG DEG SMPAMP is 0.00 LIMITS are AMP L: 0.00AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/06/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL

Discrete Inputs:

 $W1_CTR$ is ON $W2_CTR$ is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 22.4 GPM TOTAL FLOW is 1451467 GAL W2_FLO is 18.5 **GPM** TOTAL FLOW is 1172310 GAL ASBPRS is 10.7 IWC LIMITS are L: 5.0 IWC H: 30.0 IWC HTXFLO is 0.0 TOTAL FLOW is GPM 481 GAL HTXPRS is 0.0 PSI LIMITS are H: 60.0 \mathbf{L} : 0.0 PSI PSI BLOSPD is -0 RPM LIMITS are L:RPM H: 100 RPM 4.76 W1 AMP is AMP LIMITS are L: 0.00 AMP H: 10.00 AMP $W2^-AMP$ is 4.58AMP LIMITS are 0.00 H: 10.00 L:AMP AMP W1 LVL is 38.02 \mathbf{FT} LIMITS are H: 28.00 H: 52.00 L:8.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} W2_LVL is 61.09 W1_PRS is 3.9 W2_PRS is 4.1 \mathbf{FT} LIMITS are 9.00 \mathbf{L} : \mathbf{FT} \mathbf{FT} PSI LIMITS are H: 100.0 PSI PSI $\mathbf{L}:~0.5$ PSI LIMITS are PSIH: 100.0 PSI INTEMP is 53.4 DEG H: 130.0 H: 20.00 LIMITS are L: 42.0 DEG DEG SMPAMP is 0.00 LIMITS are AMP L: 0.00AMP AMP

Analog Outputs:

JEREMY WYCKOFF

From

System Status:

AUTO

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVED is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 22.1 W2_FLO is 18.9 ASBPRS is 10.7 GPM TOTAL FLOW is 1483296 GAL **GPM** 1198886 TOTAL FLOW is GAL LIMITS are H: 30.0 IWC \mathbf{L} : IWC IWC HTXFLO is 0.0 GPM TOTAL FLOW is 481 GAT. HTXPRS is 0.0 LIMITS are H: 60.0 PSI L: 0.0 PSI PSI BLOSPD is RPM LIMITS are 0 H: 100 L:RPM RPM W1_AMP is 4.67 0.00 AMP LIMITS are L:AMP H: 10.00 AMP W2 AMP is 4.47 AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W1_LVL is 37.88 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 60.96 W1_PRS is 4.0 LIMITS are H: 52.00 \mathbf{FT} L: 9.00 \mathbf{FT} \mathbf{FT} H: 100.0 H: 100.0 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI W2 PRS is 4.2 PSI LIMITS are 0.5PSI L: PSI INTEMP is 55.2 DEG LIMITS are 42.0 DEG H: 130.0 \mathbf{L} : DEG SMPAMP is 0.00 AMP LIMITS are L: 0.00 AMP H: 20.00 AMP

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO

LAST SHUTDOWN @ 23:24:16 ON 05/03/2012 BY ACFAIL

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

 $W1_GO$ is ON $W2_GO$ is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 22.3 GPM TOTAL FLOW is 1515047 GALW2 FLO is 18.7 **GPM** TOTAL FLOW is 1225415 GAL ASBPRS is 10.5 IWC LIMITS are H: 30.0 L: 5.0IWC IWC HTXFLO is 0.0 **GPM** TOTAL FLOW is 481 GAL HTXPRS is 0.0 PSI LIMITS are 0.0 H: 60.0 \mathbf{L} : PSI PSI BLOSPD is 0 RPM LIMITS are H: 100 L: 0RPM RPM W1_AMP is 4.64 AMP LIMITS are L: 0.00 AMPH: 10.00 AMP W2_AMP is 4.43 W1_LVL is 37.88 H: 10.00 AMP LIMITS are L: 0.00 AMP AMP \mathbf{FT} LIMITS are 8.00 \mathbf{FT} H: 28.00 L: \mathbf{FT} $W2_LVL$ is 61.15 \mathbf{FT} LIMITS are L: 9.00 52.00 \mathbf{FT} H: \mathbf{FT} W1_PRS is 4.0 LIMITS are PSI L: 0.5 PSI H: 100.0 PSI W2_PRS is 4.2 INTEMP is 57.4 PSI LIMITS are L: 0.5 H: 100.0 PSI PSI DEG LIMITS are L: 42.0 DEG H: 130.0 DEG SMPAMP is 0.01 LIMITS are AMP L: 0.00AMP H: 20.00 AMP

Analog Outputs:

ASBSPD

0.0 PCT MAN

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/11/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is ON ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO W2 GO is ON is ON SMP GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 24.2 **GPM** 1550184 TOTAL FLOW is GAL W2 FLO is 20.1 **GPM** TOTAL FLOW is 1254651 GAL ASBPRS is 10.8 IWC LIMITS are H: 30.0 \mathbf{L} : IWC IWC HP_FLO is 2.35 HP_PRS is 4.6 TOTAL FLOW is GPM 928 GAL PSI LIMITS are L:-2.0PSI H: 20.0 PSI HP AMP is 4.68 L: 0.00 AMP LIMITS are AMP H: AMP W1_AMP is 4.60 W2_AMP is 4.41 W1_LVL is 33.94 H: 10.00 AMP LIMITS are L: 0.00AMP AMP LIMITS are $\mathbf{L}:~0.00$ AMP H: 10.00 AMP AMP \mathbf{FT} LIMITS are 8.00 H: 28.00 L: \mathbf{FT} \mathbf{FT} W2 LVL is 56.12 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.0 W2_PRS is 4.3 LIMITS are PSI L: 0.5H: 100.0 PSI PSI PSI LIMITS are L: 0.5 H: 100.0 PSI PSI INTEMP is 54.5 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/12/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO W2 GO is ON is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 24.0 GPM TOTAL FLOW is 1584490 GAL W2 FLO is 20.3 **GPM** TOTAL FLOW is 1283589 GAL5.0 ASBPRS is 10.9 IWC LIMITS are L: IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 0.0 1302 GPM TOTAL FLOW is GALPSI LIMITS are L: -2.0PSI H: 20.0 PSI HP_AMP is 0.04 0.00 AMP LIMITS are L:AMP **H**: AMP W1 AMP is 4.66 H: 10.00 AMP LIMITS are 0.00 AMP T.: AMP W2_AMP is 4.49 AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL is 34.10 W2_LVL is 55.93 LIMITS are \mathbf{FT} L: 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} LIMITS 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} are L:W1 PRS is 4.0 L: 0.5 H: 100.0 PSI LIMITS are PSI PSI W2 PRS is 4.3 PSI LIMITS are L: 0.5 H: 100.0 PSI PSIINTEMP is 56.0 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/13/2012

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

ASB GO is ON SMP GO is OFF W1 GO is ON W2 GO is ON W1_ALM is OFF ASMPHH is OFF ASMPLL is OFF AIR HH is OFF AIR LL is OFF SMPALM is OFF W2 ALM is OFF ASBALM is OFF HPMPGO is ON VFDRST is OFF VEDRUN is OFF

Analog Inputs:

W1_FLO is 24.0 W2_FLO is 19.7 1618421 GAL TOTAL FLOW is GPM TOTAL FLOW is 1312458 GAL GPM H: 30.0 IWC LIMITS are \mathbf{L} : IWC ASBPRS is 10.6 IWC 1488 GAL HP FLO is 0.00 GPM TOTAL FLOW is H: 20.0 PSI PSI LIMITS are L: -2.0HP PRS is 0.0 PSI HP_AMP is 0.04 W1_AMP is 4.72 W2_AMP is 4.55 AMP 0.00 AMP H: LIMITS are \mathbf{L} : AMP H: 10.00 AMP LIMITS are AMP 0.00 AMP H: 10.00 AMP L: 0.00AMP LIMITS are AMP 28.00 \mathbf{FT} \mathbf{FT} \mathbf{H} : 8.00 LIMITS are \mathbf{L} : W1 LVL is 33.88 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{FT} LIMITS are 9.00 is 55.83 \mathbf{FT} W2_LVL H: 100.0 PSI PSI L: 0.5W1_PRS is 4.0 W2_PRS is 4.3 PSI LIMITS are H: 100.0 PSI L: 0.5 PSI PSI LIMITS are DEG L: 42.0 DEG H: 130.0 INTEMP is 59.5 DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/14/2012

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 \overline{A} LM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

GAL TOTAL FLOW is 1652413 W1_FLO is 23.5 GPM 1341284 GALTOTAL FLOW is W2FLO is 20.1 GPM IWC H: 30.0 5.0 IWC LIMITS are \mathbf{L} : ASBPRS is 10.5 IWC TOTAL FLOW is 1591 GALHP FLO is 0.00 **GPM** PSI H: 20.0 PSI \mathbf{L} : -2.0HP PRS is 0.0 PSI LIMITS are AMP 0.00 AMP **H**: LIMITS are L:HP_AMP is 0.04 AMP H: 10.00 AMP W1_AMP is 4.60 W2_AMP is 4.42 W1_LVL is 33.65 AMP LIMITS are L:0.00 AMP AMP H: 10.00 LIMITS are AMP 0.00 AMP H: 28.00 \mathbf{FT} 8.00 \mathbf{FT} LIMITS are \mathbf{FT} 52.00 \mathbf{FT} \mathbf{L} : 9.00 \mathbf{FT} **H**: LIMITS are W2 LVL is 55.72 \mathbf{FT} PSI H: 100.0 0.5 W1_PRS is 3.9 PSI LIMITS are L:PSI H: 100.0 PSI L: 0.5 PSI W2_PRS is 4.3 PSI LIMITS are H: 130.0 DEG INTEMP is 60.3 LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/15/2012

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

is ON SMP GO is OFF W1 GO is ON W2 GO ASB GO is ON ASMPHH is OFF AIR HH is OFF ASMPLL is OFF W1 ALM is OFF AIR LL is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.4 GPM TOTAL FLOW is 1686343 GAL W2 FLO is 19.7 1370093 **GPM** TOTAL FLOW is GAL H: 30.0 IWC 5.0 ASBPRS is 10.4 IWC LIMITS are \mathbf{L} : IWC HP_FLO is 0.00 HP_PRS is 0.0 **GPM** TOTAL FLOW is 1741 GAL H: 20.0 PSI PSI LIMITS are L:-2.0PSI HP AMP is 0.04 LIMITS are AMP AMP 0.00 AMP H: H: 10.00 W1 AMP is 4.58 AMP LIMITS are 0.00 AMP AMP W2_AMP is 4.40 W1_LVL is 33.79 W2_LVL is 55.91 H: 10.00 H: 28.00 AMP LIMITS are 0.00 AMP AMP L: \mathbf{FT} LIMITS are 8.00 \mathbf{FT} \mathbf{FT} L:H: 52.00 \mathbf{FT} \mathbf{FT} LIMITS are \mathbf{L} : 9.00 \mathbf{FT} H: 100.0 W1 PRS is 4.0 PSI L: 0.5 PSI PSI LIMITS are H: 100.0 PSI W2 PRS is 4.3 L: 0.5 PSI LIMITS are PST INTEMP is 60.7 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.3 **GPM** TOTAL FLOW is 1720327 GAL W2 FLO is 20.0 TOTAL FLOW is **GPM** 1398931 GALASBPRS is 10.4 5.0 IWC LIMITS are $\mathbf L$: IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 0.0 GPM 1892 TOTAL FLOW is GAL PSI LIMITS are \mathbf{L} : -2.0H: 20.0 PSI PSI HP_AMP is 0.04 AMP LIMITS are L: 0.00 AMP H: AMP W1 AMP is 4.60 LIMITS are H: 10.00 AMP L: 0.00 AMP AMP W2_AMP W1_LVL is 4.44 AMP H: 10.00 LIMITS are L: 0.00 AMP AMP is 34.02 LIMITS are \mathbf{FT} L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 56.21 \mathbf{FT} LIMITS 9.00 are L: \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.9 PSI LIMITS are L: 0.5 PSI H: 100.0 PSI W2PRS is 4.2 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 60.6 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/17/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF
HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF
ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

ASB_GO is ON ASMPLL is OFF SMP_GO is OFF W2 GO is ON W1 GO is ON W1 ALM is OFF ASMPHH is OFF AIR HH is OFF AIR_LL is OFF SMPALM is OFF W2_ALM is OFF ASBALM is OFF VFDRST is OFF HPMPGO is ON VFDRUN is OFF

Analog Inputs:

1754240 GAL W1 FLO is 23.4 TOTAL FLOW is **GPM** 1427761 GAL**GPM** TOTAL FLOW is W2_FLO is 20.1 H: 30.0 IWC IWC ASBPRS is 10.7 IWC LIMITS are \mathbf{L} : TOTAL FLOW is 2131 GALGPM HP FLO is 0.00 H: 20.0 PSI PSI -2.0HP PRS is 0.0 PSI LIMITS are AMP L:0.00 AMP **H**: LIMITS are HP AMP is 0.04 AMP H: 10.00 AMPAMP 0.00 LIMITS are W1_AMP is 4.57 AMP AMP H: 10.00 LIMITS are 0.00 AMP T.: W2_AMP AMP is н: 28.00 L: 8.00 \mathbf{FT} \mathbf{FT} LIMITS are W1 LVL is 34.10 \mathbf{FT} \mathbf{FT} H: 52.00 9.00 \mathbf{FT} LIMITS are Ti: $W2^{T}LVL$ is 55.96 \mathbf{FT} PSI H: 100.0 PSI L: 0.5 LIMITS are PSI W1_PRS is 4.0 PSI H: 100.0 L: 0.5 PSI W2 PRS is 4.2 INTEMP is 56.3 LIMITS are PSI 42.0 DEG H: 130.0 DEG LIMITS are \mathbf{L} : DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/18/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.7 W2_FLO is 20.0 ASBPRS is 10.8 **GPM** TOTAL FLOW is 1788113 GALTOTAL FLOW is GPM 1456594 GAL IWC LIMITS are \mathbf{L} : 5.0 HP_FLO is 0.00 HP_PRS is 0.0 HP_AMP is 0.04 W1_AMP is 4.54 IWC H: 30.0 IWC **GPM** TOTAL FLOW is 2458 GAL PSI LIMITS are L: -2.0PSI H: 20.0 PSI LIMITS are AMP 0.00 L:AMP H: AMP AMP LIMITS are 0.00 T.: AMP 10.00 H: AMP W2 AMP is 4.38 AMP LIMITS are H: 10.00 AMP AMP W1_LVL is 33.76 \mathbf{FT} LIMITS L: 8.00 are \mathbf{FT} H: 28.00 $\mathbf{F}\mathbf{T}$ W2_LVL is 55.77 \mathbf{FT} LIMITS are L: 9.00 $\mathbf{F}\mathbf{T}$ H: 52.00 \mathbf{FT} W1_PRS is 4.0 W2_PRS is 4.3 PSI LIMITS are L: 0.5 H: 100.0 H: 100.0 PSI PSI PSI LIMITS are L: 0.5PSI PSI INTEMP is 54.3 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/19/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF WFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.6 TOTAL FLOW is 1821929 GAL **GPM** TOTAL FLOW is 1485488 GALW2FLO is 20.2 **GPM** IWC H: 30.0 IWC LIMITS are 5.0 ASBPRS is 10.7 IWC \mathbf{L} : **GPM** TOTAL FLOW is 2699 GAL HP_FLO is 0.18 H: 20.0 PSI PSI -2.0 HP PRS is 2.2 PSI LIMITS are \mathbf{L} : AMP 0.00 AMP **H**: LIMITS are \mathbf{L} : HP_AMP is 0.04 AMP H: 10.00 AMP W1_AMP is 4.65 W2_AMP is 4.49 W1_LVL is 33.33 AMP AMP LIMITS are \mathbf{L} : 0.00 H: 10.00 AMP 0.00 AMP LIMITS are AMP Ti: H: 28.00 \mathbf{FT} 8.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} LIMITS are 52.00 LIMITS are 9.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} \mathbf{L} : W2_LVL is 55.70 H: 100.0 PSI 0.5 W1_PRS is 4.0 W2_PRS is 4.2 PSI PSI LIMITS are \mathbf{L} : H: 100.0 L: 0.5 PSI PSI PSI LIMITS are H: 130.0 DEG DEG INTEMP is 57.8 L: 42.0 DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/20/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

SMP_GO is OFF W2 GO ASB_GO is ON W1 GO is ON is ON ASMPLL is OFF SMPALM is OFF W1 ALM is OFF ASMPHH is OFF AIR HH is OFF AIR_LL is OFF W2 ALM is OFF ASBALM is OFF VFDRST is OFF HPMPGO is ON VFDRUN is OFF

Analog Inputs:

1855677 GAL W1 FLO is 23.5 **GPM** TOTAL FLOW is TOTAL FLOW is 1514370 GAL W2 FLO is 19.9 GPM H: 30.0 IWC IWC ASBPRS is 10.6 IWC LIMITS are \mathbf{L} : 5.0 HP_FLO is 0.00 HP_PRS is 0.0 2867 GAL TOTAL FLOW is GPM H: 20.0 PSI PSI LIMITS are PSI 0.00 AMP H: AMP HP_AMP is 0.04 LIMITS are AMP \mathbf{L} : H: 10.00 AMP W1_AMP LIMITS are 0.00 AMP is 4.68 AMP L:W2_AMP is 4.53 W1_LVL is 33.21 0.00 AMP H: 10.00 AMP LIMITS are AMP L:H: 28.00 $\mathbf{F}\mathbf{T}$ L: 8.00 \mathbf{FT} \mathbf{FT} LIMITS are H: 52.00 H: 100.0 $\mathbf{\Gamma}\mathbf{T}$ L: 9.00 $\mathbf{F}\mathbf{T}$ W2 LVL is 55.60 \mathbf{FT} LIMITS are PSI L: 0.5 PSI W1_PRS is 3.9 PSI LIMITS are H: 100.0 PSI W2_PRS is 4.2 INTEMP is 58.5 L: 0.5PSI PSI LIMITS areH: 130.0 DEG L: 42.0 DEG DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/21/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VEDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.5 W2_FLO is 20.1 **GPM** TOTAL FLOW is GAL TOTAL FLOW is **GPM** 1543225 GAL ASBPRS is 10.5 IWC LIMITS are \mathbf{L} : 5.0 IWC H: 30.0IWC HP_FLO is 0.00 **GPM** TOTAL FLOW is 2975 GAL HP_PRS is 0.0 HP_AMP is 0.04 LIMITS are PSI PSI H: 20.0 PSI is 0.04 AMP LIMITS are L: 0.00 AMP W1 AMP is 4.62 H: AMP AMP LIMITS are L:0.00 AMP $H:\ \, {\bf 10.00}$ AMP W2 AMP is 4.45 AMP LIMITS are H: 10.00 H: 28.00 0.00 \mathbf{L} : AMP AMP W1_LVL is 33.16 W2_LVL is 55.53 W1_PRS is 4.0 LIMITS are \mathbf{FT} L: 8.00 \mathbf{FT} \mathbf{FT} \mathbf{FT} LIMITS are $\mathbf{L}\colon\ 9.00$ \mathbf{FT} H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5H: 100.0 PSI PSI W2 PRS is 4.2 PSI LIMITS are H: 100.0 H: 130.0 \mathbf{L} : 0.5 PSI PSI INTEMP is 58.8 DEG LIMITS are \mathbf{L} : 42.0 DEG DEG

Analog Outputs:



ALARM Fax Report EOS Research Lid. ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 20:50:22 ON 05/21/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P15:

LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD FAX REPORT INITIATED BY PROCESS 15

Discrete Inputs:

W1 CTR is ON W2 CTR is ON ASBVFD is ON SMPCTR is ON HP OP is OFF ASP HH is OFF ASP_LO is OFF FLRSMP is ON ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W2_GO is ON ASMPHH is OFF W1 GO is ON ASB_GO is ON SMP_GO is OFF AIR HH is OFF ASMPLL is OFF SMPALM is ON W1_ALM is OFF W2 ALM is OFF ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.0 **GPM** TOTAL FLOW is 1910245 GAL W2 FLO is 20.1 **GPM** TOTAL FLOW is 1561041 GAL ASBPRS is 10.5 LIMITS are L: H: 30.0 TWC 5.0IWC IWC HP_FLO is 0.00 GPM TOTAL FLOW is 3029 GAL HP_PRS is 0.0 HP_AMP is 0.04 PST LIMITS are L: -2.0 H: 20.0 PSI PSI AMP LIMITS are 0.00 \mathbf{L} : AMP **H**: AMP W1 AMP is 4.60 LIMITS are 10.00 AMP 0.00 $\mathbf L$: AMP H: AMP W2 AMP is 4.43 AMP LIMITS are L: 0.00AMP H: 10.00 AMP W1_LVL is 32.98 W2_LVL is 55.55 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ LIMITS are L:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.9 H: 100.0 PSI 0.5LIMITS are \mathbf{L} : PSI PSI W2 PRS is 4.1 PSI LIMITS are L: 0.5 H: 100.0 PSI PST INTEMP is 63.3 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD

0.0 PCT MAN

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/22/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 ALM is OFF SMPALM is ON ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.8 **GPM** TOTAL FLOW is 1923113 GAL W2_FLO is 19.7 **GPM** TOTAL FLOW is 1572055 GAL ASBPRS is 10.3 IWC LIMITS are \mathbf{L} : 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 TOTAL FLOW is **GPM** 3092 GAL HP PRS is 0.0 PSI LIMITS are \mathbf{L} : -2.0H: 20.0 PSI PSI HP_AMP is 0.04 W1_AMP is 4.61 W2_AMP is 4.44 LIMITS are AMP 0.00 \mathbf{L} : AMP H: AMP H: 10.00 is 4.61 AMPLIMITS are L:0.00 AMP AMP LIMITS are AMP L: 0.00AMP H: 10.00 AMP W1 LVL is 32.97 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 55.60 \mathbf{FT} LIMITS are H: 52.00 H: 100.0 L:9.00 FT \mathbf{FT} W1_PRS is 3.9 W2_PRS is 4.2 L: 0.5 PSI LIMITS are PSI PSI PSI LIMITS are L: 0.5H: 100.0 PSI PSI INTEMP is 61.7 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



ALARM Fax Report FOS Research Ltd. ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 15:53:30 ON 05/22/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P15: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD FAX REPORT INITIATED BY PROCESS 15

Discrete Inputs:

W1_CTR is ON W2 CTR is ON SMPCTR is ON ASBVFD is ON HP_OP is OFF ACFAIL is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is ON E_STOP is OFF

Discrete Outputs:

W1 GO is ON ASB_GO is ON W2 GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF W1_ALM is OFF ASMPLL is OFF W2_ALM is OFF SMPALM is ON ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.1 GPM TOTAL FLOW is 1937010 GAL W2_FLO is 19.7 TOTAL FLOW is **GPM** 1583934 GAL ASBPRS is 10.3 IWC LIMITS are L: 5.0 IWC H: 30.0 IWC HP FLO is 0.00 **GPM** TOTAL FLOW is 3117 GAL HP PRS is 0.0 LIMITS are PSI -2.0 $\mathbf{L}:$ PSI H: 20.0 PSI HP AMP is 0.04 LIMITS are AMP L: 0.00 AMP H: W1_AMP is 4.56 W2_AMP is 4.41 W1_LVL is 32.88 AMP AMP LIMITS are 0.00 \mathbf{L} : H: 10.00 AMP AMP AMP LIMITS are L: 0.00H: 10.00 AMP AMP \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 55.55 H: 52.00 H: 100.0 H: 100.0 \mathbf{FT} LIMITS are L:9.00 \mathbf{FT} \mathbf{FT} W1_PRS is 3.9 PSI LIMITS are L: 0.5PSI PSI W2_PRS is 4.2 INTEMP is 66.3 PSI LIMITS are L: 0.5PSI PSI DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/23/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1_GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is ON AIR LL is OFF VEDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.3 **GPM** TOTAL FLOW is 1956839 GAL W2_FLO is 19.9 ASBPRS is 10.4 GPM TOTAL FLOW is 1600875 GALIWC LIMITS are L: 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 TOTAL FLOW is GPM 3192 GAL HP_PRS is 0.0 PSI LIMITS are \mathbf{L} : PSI H: 20.0 PSI HP_AMP is 0.04 W1_AMP is 4.56 AMP LIMITS are L: 0.00AMP H: AMP 4.56 AMP LIMITS are H: 10.00 L: 0.00AMP AMP W2 AMP is 4.41 AMP LIMITS are L:0.00 AMP H: 10.00 AMP W1 LVL is 33.10 \mathbf{FT} LIMITS are H: 28.00 H: 52.00 L:8.00 $\mathbf{F}\mathbf{T}$ FT W2_LVL is 55.62 W1_PRS is 3.9 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} \mathbf{FT} is 3.9 PSI LIMITS are L: 0.5 PSI H: 100.0 PSI W2 PRS is 4.2 PSI LIMITS are L: 0.5H: 100.0 PSI PSI INTEMP is 60.7 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



ALARM Fax Report EOS Research Lia ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 10:11:30 ON 05/23/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD FAX REPORT INITIATED BY PROCESS 15

Discrete Inputs:

W2_CTR is ON ASP_HH is OFF SMPCTR is ON FLRSMP is ON W1 CTR is ON ASBVFD is ON HP OP is OFF ASP_LO is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO is ON W2 GO is ON SMP_GO is OFF ASB_GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is ON AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.4 W2_FLO is 20.3 **GPM** TOTAL FLOW is 1962728 GAL GPM TOTAL FLOW is 1605910 GAL ASBPRS is 10.5 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HP FLO is 0.00 GPM TOTAL FLOW is 3217 GAL HP_PRS is 0.0 PSI LIMITS are PSI H: 20.0 PSI HP_AMP is 0.04 W1_AMP is 4.58 LIMITS are L: 0.00 AMP AMP H: AMP H: 10.00 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP H: 10.00 W2 AMP is 4.41 LIMITS are AMP L: 0.00AMP AMP W1_LVL is 33.15 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 55.55 W1_PRS is 3.9 H: 52.00 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} \mathbf{FT} $\begin{array}{lll} H: & 100.0 \\ H: & 100.0 \end{array}$ PSI LIMITS are L: 0.5PSI PSI W2 PRS is 4.2 L: 0.5LIMITS are PSI PSI PSI INTEMP is 62.0 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/24/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16 : LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 23.1 W2_FLO is 19.6 **GPM** TOTAL FLOW is 1990305 GAL GPM TOTAL FLOW is 1629609 GAL ASBPRS is 10.3 IWC LIMITS are \mathbf{L} : H: 30.0 IWC IWC HP_FLO is 0.00 **GPM** TOTAL FLOW is 3296 GAL HP_PRS is 0.0 HP_AMP is 0.04 W1_AMP is 4.61 LIMITS are PSI PSI H: 20.0 PSI AMP LIMITS are L: 0.00 AMP H: AMP AMP LIMITS H: 10.00 are \mathbf{L} : 0.00 AMP AMP W2 AMP is 4.45 AMP H: 10.00 H: 28.00 LIMITS are 0.00 L:AMP AMP W1_LVL is 33.21 $\mathbf{F}\mathbf{T}$ LIMITS are L:8.00 \mathbf{FT} \mathbf{FT} W2_LVL is 55.47 W1_PRS is 3.8 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5 H: 100.0 PSI PSI $W2^{-}PRS$ is 4.3 PSI LIMITS are \mathbf{L} : 0.5 PSI H: 100.0 PSI INTEMP is 61.3 H: 130.0 DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/26/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF SMPALM is OFF W2_ALM is OFF ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

TOTAL FLOW is W1 FLO is 23.1 GPM 2057074 GAL W2_FLO is 20.2 GPM TOTAL FLOW is 1687339 GAL ASBPRS is 10.3 LIMITS are TWC IWC H: 30.0 \mathbf{L} : IWC HP_FLO is 0.00 **GPM** TOTAL FLOW is 3308 GAL HP_PRS is 0.0 HP_AMP is 0.00 W1_AMP is 4.65 PSI -2.0H: 20.0 LIMITS are PSI PSI AMP LIMITS are \mathbf{L} : 0.00 AMP H: AMP AMP LIMITS are L: 0.00 AMP 10.00 H: AMP W2 AMP is 4.49 AMP LIMITS are 0.00 \mathbf{L} : AMP H: 10.00 AMP W1_LVL is 33.04 W2_LVL is 55.36 W1_PRS is 3.8 \mathbf{FT} LIMITS are L: 8.00 $\mathbf{F}\mathbf{T}$ H: 28.00 $\mathbf{F}\mathbf{T}$ LIMITS are \mathbf{FT} L: 9.00 H: 52.00 \mathbf{FT} \mathbf{FT} H: 100.0 H: 100.0 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI W2 PRS is 4.5 100.0 PSI 0.5 LIMITS are PSI \mathbf{L} : PSI INTEMP is 62.3 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/27/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF W1 ALM is OFF ASMPLL is OFF SMPALM is OFF W2_ALM is OFF ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.2 **GPM** 2090280 TOTAL FLOW is GAL W2 FLO is 19.9 TOTAL FLOW is GPM 1716202 GAL ASBPRS is 10.5 IWC LIMITS are IWC H: 30.0 IWC L: HP_FLO is 0.00 3308 GPM TOTAL FLOW is GAL PRS is 0.0 PSI LIMITS are \mathbf{L} : -2.0PSI H: 20.0 PSI HP_AMP is 0.00 AMP LIMITS are \mathbf{L} : 0.00 AMP H: AMP H: 10.00 W1 AMP is 4.68 AMP LIMITS are 0.00 AMP \mathbf{L} : AMP W2_AMP is 4.53 AMP LIMITS are L: 0.00AMP H: 10.00 AMP W1_LVL is 32.99 W2_LVL is 55.30 LIMITS are H: 28.00 \mathbf{FT} L: 8.00 \mathbf{FT} \mathbf{FT} $\mathbf{F}\mathbf{T}$ LIMITS are 9.00 \mathbf{FT} 52.00 \mathbf{FT} L:**H**: W1 PRS is 3.8 H: 100.0 PSI L: 0.5 LIMITS are PSI PSI W2_PRS is 4.5 PSI LIMITS are L: 0.5 PSI H: 100.0 PSI INTEMP is 59.3 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W2_GO W1 GO is ON is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF W1 ALM is OFF ASMPLL is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 22.7 GPM TOTAL FLOW is GAL W2 FLO is 20.2 TOTAL FLOW is **GPM** 1745071 GAL ASBPRS is 10.3 IWC LIMITS are 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 0.0 **GPM** 3308 TOTAL FLOW is GAL PSI LIMITS are L: -2.0PSI H: 20.0 PSI HP_AMP is 0.00 0.00 AMP LIMITS are L:AMP **H**: AMP W1 AMP is 4.67 H: 10.00 AMP LIMITS are 0.00 AMP AMP W2_AMP is 4.53 AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL W2_LVL 32.71 is $\mathbf{F}\mathbf{T}$ LIMITS are L: 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} is 55.24 $\mathbf{F}\mathbf{T}$ LIMITS 9.00 $\mathbf{F}\mathbf{T}$ 52.00 are L: H: \mathbf{FT} W1 PRS is 3.8 PSI L: 0.5 LIMITS are H: 100.0 PSI PSI W2 PRS is 4.5 PSI LIMITS are H: 100.0 L: 0.5PSI PSI INTEMP is 61.1 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 05/29/2012

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P16: LAST SHUTDOWN @ 11:52:07 ON 05/08/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

SMP_GO is OFF is ON W2 GO ASB GO is ON W1 GO is ON W1_ALM is OFF ASMPHH is OFF ASMPLL is OFF AIR HH is OFF SMPALM is OFF AIR LL is OFF W2 ALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 22.8 W2_FLO is 19.5 2156600 GAL TOTAL FLOW is **GPM** GAL GPM TOTAL FLOW is H: 30.0 IMC IWC ASBPRS is 10.1 IWC LIMITS are \mathbf{L} : HP FLO is 0.00 GPM TOTAL FLOW is 3308 GAL HP_PRS is 0.0 HP_AMP is 0.00 W1_AMP is 4.53 H: 20.0 PSI LIMITS are -2.0PSI PSI AMPLIMITS are \mathbf{L} : 0.00 AMP \mathbf{H} : AMP H: 10.00 AMP L: 0.00 AMPAMP LIMITS are 10.00 AMP L: 0.00 AMP H: LIMITS are W2 AMP is 4.38AMP H: 28.00 \mathbf{FT} 8.00 \mathbf{FT} W1_LVL is 32.59 \mathbf{FT} LIMITS are L: H: 52.00 \mathbf{FT} \mathbf{FT} W2_LVL is 55.22 W1_PRS is 3.6 \mathbf{FT} LIMITS are 9.00 H: 100.0 PSI L: 0.5 PSI LIMITS are PSI H: 100.0 PSI PSI W2 PRS is 4.5 PSI LIMITS are L: 0.5 DEG LIMITS are L: 42.0 DEG H: 130.0 INTEMP is 63.9 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P36: LAST SHUTDOWN @ 15:35:55 ON 05/29/2012 BY ASBVED

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF AIR HH is OFF ASMPLL is OFF W1 ALM is OFF ASBALM is OFF VFDRST is OFF SMPALM is OFF W2 ALM is OFF AIR_LL is OFF VFDRUN is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 22.3 **GPM** TOTAL FLOW is 2221356 GAL. W2_FLO is 19.8 **GPM** TOTAL FLOW is 1830233 GAL ASBPRS is 10.5 IWC LIMITS are H: 30.0 IWC \mathbf{L} : 5.0 IWC HP FLO is 0.00 GPM TOTAL FLOW is 3308 GAL HP PRS is 0.0 PSI LIMITS are -2.0 H: 20.0 PSI \mathbf{L} : PSI HP_AMP is 0.00 AMP LIMITS are L: 0.00AMP AMP H: W1_AMP is 4.59 W2_AMP is 4.44 LIMITS are H: 10.00 AMP L: 0.00 AMP AMPAMPLIMITS are 0.00 AMP 10.00 **H**: AMP W1 LVL is 32.89 LIMITS are 28.00 \mathbf{FT} L: 8.00 \mathbf{FT} H: \mathbf{FT} W2_LVL is 55.22 LIMITS are \mathbf{FT} L: 9.00 $\mathbf{F}\mathbf{T}$ H: 52.00 \mathbf{FT} W1_PRS is 3.9 W2_PRS is 4.3 L: 0.5 LIMITS are PSI PSI H: 100.0 PSI H: 100.0 PSI LIMITS are L: 0.5PSI PSI INTEMP is 57.1 DEG H: 130.0 LIMITS are L: 42.0 DEG DEG

Analog Outputs:



ALARM Fax Report EOS Research Lia. ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 13:21:23 ON 06/01/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

SHUTD

LAST SHUTDOWN @ 15:35:55 ON 05/29/2012 BY ASBVFD FAX REPORT INITIATED BY PROCESS 29

Discrete Inputs:

W1 CTR is OFF W2 CTR is OFF SMPCTR is OFF ASBVFD is OFF HP OP is OFF ASP HH is OFF ASP LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W2_GO is OFF ASMPHH is OFF SMP_GO is OFF W1_ALM is OFF is OFF ASB_GO is ON AIR HH is OFF ASMPLL is OFF W2 ALM is OFF ASBALM is ON SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 0.0 GPM TOTAL FLOW is 2231463 GAL GPM TOTAL FLOW is 1839057 GAL ASBPRS is 0.5 LIMITS are 5.0 H: 30.0 IWC TWC TWC \mathbf{L} : HP FLO is 0.00 **GPM** TOTAL FLOW is 3308 GAL HP_PRS is 0.0 HP_AMP is 0.01 W1_AMP is 0.01 LIMITS are \underline{L} : H: 20.0 PSI PST -2.0PST AMP LIMITS are 0.00 AMP H: AMP L:LIMITS are H: 10.00 0.00 AMP AMP AMP L:W2 AMP is 0.00 AMP LIMITS are 0.00 AMP H: 10.00 AMP W1_LVL is 34.26 H: 28.00 LIMITS are \mathbf{FT} 8.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ \mathbf{L} : W2_LVL is 55.9 W1_PRS is 0.0 55.93 $\mathbf{F}\mathbf{T}$ LIMITS are L:9.00 $\mathbf{F}\mathbf{T}$ **H**: 52.00 \mathbf{FT} H: 100.0 L: 0.5PSI PSI PSI LIMITS are W2 PRS is 0.0 PSI LIMITS are L: 0.5 PSI H: 100.0 PSI INTEMP is 63.6 H: 130.0 DEG DEG LIMITS are L: 42.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/03/2012 THE NYSDEC GLADDING

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL

LAST SHUTDOWN @ 13:31:23 ON 06/01/2012 BY ASBVFD

Discrete Inputs:

W2 CTR is OFF W1 CTR is OFF ASBVFD is OFF SMPCTR is OFF ASP HH is OFF FLRSMP is OFF HP OP is OFF ASP LO is OFF E STOP is OFF ACFAIL is OFF

Discrete Outputs:

SMP GO is OFF W1 GO is OFF W2 GO is OFF ASB GO is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF AIR HH is OFF AIR LL is OFF W2 ALM is OFF ASBALM is ON SMPALM is OFF HPMPGO is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 0.0 TOTAL FLOW is 2231463 GAL **GPM** 1839057 TOTAL FLOW is GAL GPM ASBPRS is 0.0 H: 30.0 IWC IWC LIMITS are L:IWC 3308 HP_FLO is 0.00 GAL GPM TOTAL FLOW is H: 20.0 PSI PSI LIMITS are L: -2.0PSI HP_PRS is 0.0 HP_AMP is 0.01 W1_AMP is 0.01 0.00 AMP AMPLIMITS are L:AMP H: H: 10.00 AMP AMP 0.00 AMP LIMITS are H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS are L: 0.00AMP H: 28.00 L: 8.00 \mathbf{FT} \mathbf{FT} W1_LVL is 35.03 $\mathbf{F}\mathbf{T}$ LIMITS are W2_LVL is 56.31 W1_PRS is 0.0 LIMITS are 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{FT} L:L: 0.5 H: 100.0 PSI PSI PSI LIMITS are W2 PRS is 0.0 PSI L: 0.5 PSI H: 100.0 PSI LIMITS are H: 130.0 DEG INTEMP is 57.0 L: 42.0 DEG DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/05/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL B2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W2 GO ASB GO is ON SMP GO is OFF W1 GO is ON is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

2256485 W1 FLO is 23.9 **GPM** TOTAL FLOW is GALW2 FLO is 20.0 **GPM** TOTAL FLOW is 1860223 GAL H: 30.0 IWC ASBPRS is 10.5 IWC LIMITS are \mathbf{L} : 5.0 IWC HP_FLO is 0.00 **GPM** TOTAL FLOW is 3322 GAL HP_PRS is 1.8 HP_AMP is 0.98 LIMITS are PSI H: 20.0 PSI PSI L:AMP LIMITS are L: 0.00 AMP H: AMP L: 0.00 H: 10.00 W1 AMP is 4.55LIMITS are AMP AMP AMP H: 10.00 W2_AMP is 4.37 AMP LIMITS are L: 0.00 AMP AMP H: 28.00 W1_LVL is 33.25 \mathbf{FT} LIMITS are L:8.00 \mathbf{FT} \mathbf{FT} 52.00 LVL is 55.39 $\mathbf{F}\mathbf{T}$ LIMITS are L: 9.00 \mathbf{FT} H: \mathbf{FT} W1 PRS is 4.1 LIMITS are H: 100.0 PSI L: 0.5PSI PSI W2 PRS is 4.3 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 56.7 DEG L: 42.0 DEG H: 130.0 DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/06/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

ASB_GO is ON ASMPLL is OFF SMP GO is OFF W2 GO is ON W1 GO is ON W1 ALM is OFF ASMPHH is OFF AIR_HH is OFF ASBALM is OFF AIR LL is OFF SMPALM is OFF W2 ALM is OFF VFDRST is OFF HPMPGO is ON VEDRUN is OFF

Analog Inputs:

TOTAL FLOW is 2290633 GAL W1 FLO is 23.3 **GPM** W2_FLO is 20.6 1889315 GAL **GPM** TOTAL FLOW is H: 30.0 IWC IWC LIMITS are ASBPRS is 10.6 IWC \mathbf{L} : TOTAL FLOW is 3322 GAL HP FLO is 0.00 GPM H: 20.0 PSI PSI -2.0HP PRS is 1.8 PSI LIMITS are \mathbf{L} : AMP LIMITS are L: 0.00 AMPH: HP_AMP is 0.98 AMP H: 10.00 AMP AMP W1_AMP W2_AMP 0.00 AMP LIMITS are is 4.61 H: 10.00 AMP LIMITS are 0.00 AMP AMP T.: is 4.43 H: 28.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} W1 LVL is 33.08 8.00 $\mathbf{F}\mathbf{T}$ LIMITS are $\mathbf{F}\mathbf{T}$ H: 52.00 9.00 $\mathbf{F}\mathbf{T}$ LIMITS are \mathbf{L} : W2_LVL is 55.28 \mathbf{FT} PSI H: 100.0 PSI W1_PRS is 4.1 LIMITS \mathbf{L} : 0.5 PSI are H: 100.0 PSI PSI W2_PRS is 4.4 INTEMP is 56.1 \mathbf{L} : 0.5 LIMITS are PSI H: 130.0 DEG 42.0 DEG LIMITS are DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/07/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.4 **GPM** TOTAL FLOW is 2324621 GAL W2_FLO is 19.7 **GPM** TOTAL FLOW is 1918370 GAL ASBPRS is 10.5 IWC LIMITS are $\mathbf L$: IWC H: 30.0 IWC HP FLO is 0.00 TOTAL FLOW is **GPM** 3437 GAL HP PRS is 1.9 PSI LIMITS are L: -2.0PSI H: 20.0 PSI HP_AMP is 0.04AMP LIMITS are 0.00 \mathbf{L} : AMP H: AMP W1_AMP is 4.58 AMP LIMITS are 0.00 H: 10.00 AMP AMP W2_AMP W1_LVL is 4.43 AMP LIMITS are H: 10.00 L: 0.00AMP AMP is 33.03 \mathbf{FT} LIMITS are L: 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} $W2_LVL$ is 55.26 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 $\mathbf{F}\mathbf{T}$ W1_PRS is 4.0 PSI LIMITS are L: 0.5 PSI H: 100.0 PSI W2 PRS is 4.4 PSI LIMITS are L: 0.5H: 100.0 PSI PSI INTEMP is 58.4 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/08/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO W2 GO SMP GO is OFF is ON is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VEDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.2 2358428 **GPM** TOTAL FLOW is GALW2 FLO is 19.9 **GPM** TOTAL FLOW is 1947403 GALASBPRS is 10.5 IWC LIMITS are \mathbf{L} : 5.0 IWC H: 30.0IWC HP_FLO is 0.00 HP_PRS is 1.9 HP_AMP is 0.04 3598 GPM TOTAL FLOW is GALLIMITS are H: 20.0 PSI PSI L:-2.0PSI LIMITS 0.00AMP are \mathbf{L} : AMP **H**: AMP W1 AMP LIMITS are H: 10.00 is 4.61 AMP L: 0.00AMP AMP W2_AMP H: 10.00 is 4.43 AMP LIMITS are L: 0.00AMP AMP W1_LVL W2_LVL is 32.91 H: 28.00 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} is 55.15 \mathbf{FT} LIMITS 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} are L:W1 PRS is 4.0 LIMITS are L: 0.5 H: 100.0 PSI PSI PSI W2 PRS is 4.3 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 58.3 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/09/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 23.6 **GPM** TOTAL FLOW is 2392349 W2_FLO is 20.4 TOTAL FLOW is **GPM** 1976413 GAL ASBPRS is 10.3 IWC LIMITS are L: IWC H: 30.0 IWC HP FLO is 0.00 **GPM** TOTAL FLOW is GAL HP_PRS is 1.8 PSI LIMITS are \mathbf{L} : -2.0 PSI H: 20.0 PSI HP_AMP is 0.04 AMP LIMITS are \mathbf{L} : 0.00 W1_AMP is 4.65 W2_AMP is 4.47 W1_LVL is 32.81 AMP H: AMP LIMITS are AMP \mathbf{L} : 0.00 AMP H: 10.00 AMP AMP LIMITS are \mathbf{L} : 0.00 AMP H: 10.00 AMP \mathbf{FT} LIMITS are H: 28.00 L: 8.00 \mathbf{FT} FT W2_LVL is 55.11 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 4.0 LIMITS are PSI L: 0.5H: 100.0 H: 100.0 PSI PSI $W2^{\circ}$ PRS is 4.3 PSI LIMITS are L: 0.5PSI PSI INTEMP is 60.3 DEG LIMITS are H: 130.0 L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/10/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF ASBALM is OFF ASBALM is OFF TOTAL ASBALM IS OFF TO

Analog Inputs:

W1 FLO is 23.7 **GPM** TOTAL FLOW is 2426342 GAL W2_FLO is 20.3 **GPM** TOTAL FLOW is 2005412 GAL ASBPRS is 10.2 IWC LIMITS are H: 30.0 \mathbf{L} : IWC IWC TOTAL FLOW is HP_FLO is 0.00 **GPM** 3836 GAL HP_PRS is 1.9 HP_AMP is 0.04 W1_AMP is 4.69 LIMITS are PSI L:-2.0PSI H: 20.0 PSI AMP LIMITS are 0.00 \mathbf{L} : AMP AMP AMP LIMITS are H: 10.00 L:0.00 AMP AMP W2 AMP is 4.53 AMP LIMITS are H: 10.00 H: 28.00 L:0.00 AMP AMP W1_LVL is 32.99 \mathbf{FT} LIMITS are L: 8.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} W2_LVL is 55.3 W1_PRS is 4.0 55.22 $\mathbf{F}\mathbf{T}$ LIMITS are L: 9.00 $\mathbf{F}\mathbf{T}$ H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5 H: 100.0 PSI PSI W2 PRS is 4.3 PSI LIMITS are \mathbf{L} : 0.5PSI H: 100.0 PSI INTEMP is 62.1 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVED is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO W2 GO is ON is ON ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF AIR LL is OFF ASBALM is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.6 GPM TOTAL FLOW is 2460308 GAL W2 FLO is 20.3 TOTAL FLOW is **GPM** 2034388 GAL ASBPRS is 10.3 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.7 GPM TOTAL FLOW is 3886 GAL PSI LIMITS are \mathbf{L} : -2.0PSI H: 20.0 PSI HP AMP is 0.04 AMP LIMITS are \mathbf{L} : 0.00 AMP**H**: AMP H: 10.00 W1 AMP is 4.62 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP W2_AMP is 4.46 AMP LIMITS are L: 0.00AMP H: 10.00 AMP LVL is 32.88 LIMITS are \mathbf{FT} L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is 55.15 \mathbf{FT} LIMITS 9.00 H: 52.00 H: 100.0 are \mathbf{L} : \mathbf{FT} \mathbf{FT} W1PRS is 3.9 0.5 PSI LIMITS are \mathbf{L} : PSI PSI W2 PRS is 4.4 PSI LIMITS are L: 0.5 H: 100.0 PSI PST INTEMP is 61.4 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/12/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1 GO is ON W2_GO ASB GO is ON is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.7 **GPM** TOTAL FLOW is 2494161 GALW2 FLO is 20.4 **GPM** TOTAL FLOW is 2063354 GAL ASBPRS is 10.2 IWC LIMITS are \mathbf{L} : 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.8 **GPM** TOTAL FLOW is 3922 GAL PSI LIMITS are \mathbf{L} : -2.0PSI H: 20.0 HP AMP PSI is 0.04 AMP LIMITS are L: 0.00AMP H: AMP W1 AMP is 4.59 AMP LIMITS are L: 0.00 H: 10.00 AMP W2_AMP is 4.44 W1_LVL is 32.63 W2_LVL is 55.07 AMP AMP LIMITS are L:0.00 AMP H: 10.00 AMP $\mathbf{F}\mathbf{T}$ LIMITS are \mathbf{L} : 8.00 \mathbf{FT} H: 28.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.7 PSI LIMITS are L: 0.5 H: 100.0 PSI PSI W2_PRS is 4.4 PSI LIMITS are \mathbf{L} : 0.5 PSI H: 100.0 PSI INTEMP is 63.5 DEG LIMITS are \mathbf{L} : 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/13/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON AIR HH is OFF SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W2_ALM is OFF W1 ALM is OFF ASBALM is OFF VFDRST is OFF SMPALM is OFF VFDRUN is OFF AIR_LL is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.5 **GPM** TOTAL FLOW is 2527983 W2 FLO is 20.0 GALGPM TOTAL FLOW is 2092374 ASBPRS is 10.4 GAL LIMITS are L: IWC HP_FLO is 0.00 HP_PRS is 1.7 5.0 IWC H: 30.0 GPM TWC TOTAL FLOW is 4032 GAL HP_PRS is 1.7 HP_AMP is 0.04 LIMITS are PSI L: -2.0H: 20.0 PSI PSI AMP LIMITS are L: 0.00 AMP W1_AMP is 4.60 H: . AMP LIMITS are AMP W2 AMP is 4.45 W1 LVL is 33.35 W2 LVL is 55.64 L: 0.00H: 10.00 H: 10.00 AMP AMP AMP LIMITS are L: 0.00 AMP AMP LIMITS are \mathbf{FT} \mathbf{L} : 8.00 $\mathbf{F}\mathbf{T}$ H: 28.00 \mathbf{FT} \mathbf{FT} LIMITS are 9.00 \mathbf{L} : $\mathbf{F}\mathbf{T}$ W1_PRS is 3.7 H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5W2_PRS is 4.4 PSI H: 100.0 PSI PSI LIMITS are L: 0.5PSI INTEMP is 59.7 H: 100.0 PSI DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/14/2012 SER NO 9605 : SETUP VER 1 : ROH 2.1996 : MODEL A2

System Status:

AUTO P35 :

LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON AIR HH is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF VFDRUN is OFF AIR LL is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.6 **GPM** TOTAL FLOW is 2561813 GAL W2_FLO is 20.2 **GPM** TOTAL FLOW is 2121384 GAL ASBPRS is 10.5 LIMITS are IWC \mathbf{L} : IWC HP_FLO is 0.00 HP_PRS is 1.7 H: 30.0 IWC **GPM** TOTAL FLOW is 4190 GAL LIMITS are PSI -2.0HP AMP PSI H: 20.0 PST is 0.04 AMP LIMITS are L: 0.00 AMP H: W1_AMP is 4.53 AMP AMP LIMITS are L: 0.00AMP 10.00 H: W2_AMP is 4.37 AMPAMP LIMITS are L: 0.00H: 10.00 AMP W1_LVL is 33.22 W2_LVL is 55.36 AMP \mathbf{FT} LIMITS are \mathbf{L} : 8.00 \mathbf{FT} H: 28.00 is 55.36 \mathbf{FT} \mathbf{FT} LIMITS are L:9.00 \mathbf{FT} W1 PRS is 3.9 H: 52.00 \mathbf{FT} PSI LIMITS are L: 0.5H: 100.0 H: 100.0 PSI W2_PRS is 4.3 PSI LIMITS are PSI L: 0.5PSI INTEMP is 59.1 PSI DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD

0.0 PCT MAN

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/15/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP GO is OFF $AI\overline{R}$ HH is OFF ASMPHH is OFF ASMPLL is OFF SMPALM is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF AIR LL is OFF VFDRUN is OFF VEDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.5 **GPM** TOTAL FLOW is 2595648 GAL W2 FLO is 20.2 GPM TOTAL FLOW is 2150369 GAL ASBPRS is 10.5 LIMITS are IWC \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.7 GPM TOTAL FLOW is 4306 GAL is 1.7 PSI LIMITS are H: 20.0 \mathbf{L} : -2.0PSI PST HP AMP is 0.04 AMP LIMITS are L: 0.00 AMP H: AMP W1 AMP is 4.63 AMP LIMITS are 0.00 H: 10.00 AMP AMP W2_AMP is 4.47 AMP LIMITS are L:0.00 AMP H: 10.00 AMP W1_LVL is W2_LVL is 33.11 \mathbf{FT} H: 28.00 LIMITS are L: 8.00 \mathbf{FT} FT 55.24 $\mathbf{F}\mathbf{T}$ LIMITS L: 9.00 are \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.9 PSI LIMITS are \mathbf{L} : 0.5H: 100.0 PSI PSI W2_PRS is 4.3 LIMITS are PSI \mathbf{L} : 0.5PSI H: 100.0 PSI INTEMP is 59.2 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/16/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB GO is ON SMP_GO is OFF AIR HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.5 GPM TOTAL FLOW is 2629444 GAL W2 FLO is 20.3 GPM TOTAL FLOW is 2179359 GAL ASBPRS is 10.4 IWC LIMITS are L: 5.0 IWC H: 30.0IWC HP_FLO is 0.00 HP_PRS is 1.7 HP_AMP is 0.04 **GPM** TOTAL FLOW is 4406 GAL LIMITS are PSI H: 20.0 PSI PSI AMP LIMITS are L: 0.00AMP H: AMP W1 AMP is 4.67 AMP LIMITS are L: 0.00 H: 10.00 AMP AMP W2_AMP is 4.50 AMP LIMITS are 0.00 L:AMP H: 10.00 AMP W1_LVL is 33.03 W2_LVL is 55.15 W1_PRS is 3.9 \mathbf{FT} LIMITS are 8.00 H: 28.00 H: 52.00 \mathbf{L} : $\mathbf{F}\mathbf{T}$ \mathbf{FT} \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ PSI LIMITS are L: 0.5 H: 100.0 PSI PSI W2_PRS is 4.3 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 60.6 DEG LIMITS are \mathbf{L} : 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1_GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF VFDRST is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF HPMPGO is ON

Analog Inputs:

 $W1_{FLO}$ is 23.4 **GPM** TOTAL FLOW is 2663214 GAL W2 FLO is 20.5 **GPM** TOTAL FLOW is 2208361 GAL ASBPRS is 10.3 IWC LIMITS are L: 5.0IWC H: 30.0IWC HP_FLO is 0.00 TOTAL FLOW is **GPM** 4469 GAL HP PRS is 1.7 LIMITS are PSI L: -2.0PSI H: 20.0 PSI HP_AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMP W1_AMP is 4.70 AMP LIMITS are L: 0.00H: 10.00 AMP AMP W2 AMP is LIMITS are AMP L: 0.00H: 10.00 AMP AMP W1_LVL is 32.87 \mathbf{FT} LIMITS are 8.00 L: \mathbf{FT} H: 28.00 \mathbf{FT} W2 LVL is 55.07 \mathbf{FT} LIMITS are L:9.00 \mathbf{FT} H: 52.00 $\mathbf{F}\mathbf{T}$ W1_PRS is 3.8 W2_PRS is 4.4 PSI LIMITS are L: 0.5H: 100.0 PSI PSI PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 60.6 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/18/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1 GO is ON W2_GO is ON ASMPHH is OFF W2 GO ASB GO is ON SMP GO is OFF AIR HH is OFF ASMPLL is OFF W1 ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VEDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.1 **GPM** TOTAL FLOW is 2696968 GAL W2_FLO is 19.7 GPM TOTAL FLOW is 2237297 GAL ASBPRS is 10.2 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.7 HP_AMP is 0.04 TOTAL FLOW is **GPM** 4531 GAL PSI LIMITS are -2.0 H: 20.0 PSI PSI LIMITS are AMP L: 0.00AMP H: AMP W1 AMP is 4.60 AMP LIMITS H: 10.00 are \mathbf{L} : 0.00 AMP AMP W2_AMP is 4.45 LIMITS are AMP H: 10.00 H: 28.00 0.00 \mathbf{L} : AMP AMP W1_LVL is 32.75 W2_LVL is 55.05 \mathbf{FT} LIMITS are L: 8.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.9 PSI LIMITS are \mathbf{L} : 0.5 PSI H: 100.0 PSI W2_PRS is 4.4 LIMITS are PSI \mathbf{L} : 0.5 PSI H: 100.0 PSI INTEMP is 62.3 DEG LIMITS are L: 42.0 H: 130.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/19/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ASP_LO is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF AIR HH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.3 GPM TOTAL FLOW is 2730708 W2 FLO is 20.2 GPM TOTAL FLOW is 2266138 GAL ASBPRS is 10.2 LIMITS are IWC \mathbf{L} : 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.6 GPM TOTAL FLOW is 4604 GALPSI LIMITS are -2.0 PSI H: 20.0 PSI HP_AMP is 0.04 AMP LIMITS are 0.00 \mathbf{L} : H: AMP AMP W1_AMP is 4.56 AMP LIMITS are H: 10.00 H: 10.00 L:0.00 AMP AMP W2_AMP is W1_LVL is is 4.41 AMP LIMITS are \mathbf{L} : 0.00 AMP AMP 32.87 $\mathbf{F}\mathbf{T}$ H: 28.00 LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} W2 LVL is 55.01 \mathbf{FT} L: 9.00 LIMITS are \mathbf{FT} H: 52.00 $\mathbf{F}\mathbf{T}$ W1_PRS is 3.8 PSI LIMITS are \mathbf{L} : 0.5 H: 100.0 H: 100.0 PSI PSI W2_PRS is 4.3 PSI LIMITS are 0.5 \mathbf{L} : PSI PSI INTEMP is 63.0 DEG H: 130.0 LIMITS are 42.0 DEG DEG

Analog Outputs:

ProControl Series II+ Fax Report

EOS Research Ltd.

To:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/20/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 :

LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1 CTR is ON W2 CTR is ON ASBVFD is ON ASP_LO is OFF HP_OP is OFF SMPCTR is OFF ASP HH is OFF ACFAIL is OFF FLRSMP is OFF E STOP is OFF

Discrete Outputs:

W1_GO is ON AIR_HH is OFF W2_GO is ON ASB_GO is ON SMP_GO is OFF W1_ALM is OFF ASMPHH is OFF ASMPLL is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.3 W2_FLO is 20.0 **GPM** TOTAL FLOW is 2764406 GAL TOTAL FLOW is **GPM** 2295022 ASBPRS is 10.1 GAL IWC LIMITS are \mathbf{L} : 5.0 IWC H: 30.0 HP_FLO is 0.00 IWC **GPM** TOTAL FLOW is 5117 HP_PRS is 1.7 HP_AMP is 0.09 W1_AMP is 4.62 GAL PSI LIMITS are L: -2.0PSI H: 20.0 is 0.09 PSI AMP LIMITS are L:0.00 AMP H: is 4.62 AMP AMP LIMITS are L:0.00 H: 10.00 H: 10.00 H: 28.00 AMP W2_AMP is 4.45 AMP AMP LIMITS are 0.00 AMP W1_LVL is 32.89 AMP \mathbf{FT} LIMITS are L: 8.00 W2_LVL is 54.96 W1_PRS is 3.7 $\mathbf{F}\mathbf{T}$ \mathbf{FT} \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 $\mathbf{F}\mathbf{T}$ PSI LIMITS are L: 0.5PSI W2 PRS is 4.5 H: 100.0 PSI PSI LIMITS are L: 0.5PSI H: 100.0 INTEMP is 64.2 PSI DEG LIMITS are L: 42.0DEG H: 130.0 DEG

Analog Outputs:

ASBSPD

0.0 PCT MAN

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/21/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB_GO is ON SMP GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.1 GPM TOTAL FLOW is 2798073 GAL W2 FLO is 19.9 TOTAL FLOW is **GPM** 2323941 GAL ASBPRS is 10.1 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.7 **GPM** TOTAL FLOW is 5844 GAL PSI LIMITS are L: -2.0H: 20.0 PSI PSI HP_AMP is 0.09 AMP LIMITS are 0.00 L:AMP H: AMP W1_AMP is 4.62 AMP LIMITS are H: 10.00 L:0.00 AMP AMP W2_AMP is 4.48 W1_LVL is 32.70 AMP LIMITS are L: 0.00AMP H: 10.00 AMP \mathbf{FT} LIMITS are \mathbf{L} : 8.00 H: 28.00 \mathbf{FT} \mathbf{FT} 54.98 W2 LVL is $\mathbf{F}\mathbf{T}$ LIMITS are L: 9.00 H: 52.00 H: 100.0 $\mathbf{F}\mathbf{T}$ $\mathbf{F}\mathbf{T}$ W1_PRS is 3.8 0.5 PSI LIMITS are \mathbf{L} : PSI PSI W2 PRS is 4.4 INTEMP is 63. PSI LIMITS L: 0.5 H: 100.0 are PSI PSI 63.6 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/22/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO W2 GO ASB GO is ON SMP GO is OFF is ON is ON ASMPLL is OFF W1_ALM is OFF ASMPHH is OFF AIR HH is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 23.3 **GPM** TOTAL FLOW is GAL W2 FLO is 19.9 **GPM** TOTAL FLOW is 2352850 GAL ASBPRS is 10.1 5.0 IWC H: 30.0 IWC IWC LIMITS are \mathbf{L} : HP_FLO is 0.00 GPM TOTAL FLOW is 6543 GAL HP PRS is 1.7 PSI LIMITS are -2.0PSI H: 20.0 PSI \mathbf{L} : 0.00 HP AMP is 0.09 LIMITS are AMP H: AMP AMP \mathbf{L} : H: 10.00 W1_AMP is 4.67 LIMITS are 0.00 AMP AMP AMP L:W2_AMP W1_LVL H: 10.00 AMP AMP LIMITS 0.00 AMP is are L:H: 28.00 is 32.50 $\mathbf{F}\mathbf{T}$ LIMITS are 8.00 $\mathbf{F}\mathbf{T}$ \mathbf{FT} L: H: 52.00 W2 LVL is 54.94 $\mathbf{F}\mathbf{T}$ LIMITS are 9.00 \mathbf{FT} $\mathbf{F}\mathbf{T}$ \mathbf{L} : L: 0.5 H: 100.0 PSI W1_PRS is 3.8 LIMITS are PSI PSI W2_PRS is 4.4 PSI LIMITS are L:0.5 PSI H: 100.0 PSI H: 130.0 DEG INTEMP is 63.8 42.0 DEG DEG LIMITS are \mathbf{L} :

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/23/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL 32

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 23.2 W2_FLO is 19.7 GPM TOTAL FLOW is 2865326 GAL **GPM** TOTAL FLOW is 2381802 GAL ASBPRS is 10.3 LIMITS are 5.0 H: 30.0 IWC IWC IWC \mathbf{L} : HP_FLO is 0.00 GPM TOTAL FLOW is 6979 GALHP_PRS is 1.7 HP_AMP is 0.04 LIMITS are -2.0H: 20.0 PSI PSI PSI L: is 0.04AMP LIMITS are L:0.00 AMP **H**: AMP W1 AMP is 4.65H: 10.00 AMP LIMITS are 0.00 AMP AMP \mathbf{L} : W2 AMP is 4.49 AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL is 32.44 $\mathbf{F}\mathbf{T}$ L: 8.00 H: 28.00 LIMITS are \mathbf{FT} \mathbf{FT} W2_LVL is 54.9 W1_PRS is 3.8 H: 52.00 H: 100.0 54.90 \mathbf{FT} LIMITS are 9.00 L: $\mathbf{F}\mathbf{T}$ FT L: 0.5PSI LIMITS are PSI PSI W2 PRS is 4.3 PSI L: 0.5 H: 100.0 LIMITS are PSI PSI INTEMP is 60.3 DEG 42.0 LIMITS are L:DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/24/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL B2

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

 W1_GO
 is ON
 W2_GO
 is ON
 ASB_GO
 is ON
 SMP_GO
 is OFF

 AIR_HH
 is OFF
 ASMPHH
 is OFF
 ASMPLL
 is OFF
 W1_ALM
 is OFF

 W2_ALM
 is OFF
 ASBALM
 is OFF
 SMPALM
 is OFF
 AIR_LL
 is OFF

 VFDRUN
 is OFF
 VFDRST
 is OFF
 HPMPGO
 is ON

Analog Inputs:

W1_FLO is 22.8 W2_FLO is 20.3 ASBPRS is 10.3 GPM 2898944 TOTAL FLOW is GAL. **GPM** 2410731 GAL TOTAL FLOW is H: 30.0 IWC IWC LIMITS are 5.0 IWC \mathbf{L} : HP FLO is 0.00 **GPM** TOTAL FLOW is 7311 GAL H: 20.0 HP_PRS is 1.7 PSI LIMITS are PSI \mathbf{L} : -2.0 PSI HP_AMP W1_AMP is 0.04 AMP LIMITS are L:0.00 AMP H: AMP 10.00 is 4.71 AMP AMP LIMITS are 0.00 AMP H: W2 AMP is 4.54 AMP LIMITS are 0.00 AMP H: 10.00 AMP Ti: H: 28.00 W1_LVL is 32.48 $\mathbf{F}\mathbf{T}$ LIMITS are L: 8.00 \mathbf{FT} \mathbf{FT} W2_LVL is 54.88 W1 PRS is 3.9 H: 52.00 H: 100.0 $\mathbf{F}\mathbf{T}$ LIMITS are L: 9.00 \mathbf{FT} \mathbf{FT} 3.9 L: 0.5 is PSI LIMITS PSI PSI are W2 PRS is 4.3 L: 0.5 H: 100.0 PSI LIMITS are PSI PSI INTEMP is 60.0 42.0 DEG LIMITS are DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/25/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF ASBALM is OFF \overline{A} \overline{A}

Analog Inputs:

W1_FLO is 23.2 **GPM** TOTAL FLOW is 2932522 GAL W2_FLO is 19.8 GPM TOTAL FLOW is 2439668 GAL LIMITS are ASBPRS is 10.2 IWC \mathbf{L} : 5.0 IWC H: 30.0IWC HP_FLO is 0.00 HP_PRS is 1.7 GPM TOTAL FLOW is 7500 GAL PSI LIMITS are -2.0 PSI H: 20.0 PSI HP AMP is 0.04 AMP LIMITS are \mathbf{L} : 0.00 AMP H: . AMP W1 AMP is 4.59 AMP LIMITS are L:0.00 AMP H: 10.00 AMP W2_AMP is 4.42 W1_LVL is 32.21 W2_LVL is 54.86 AMP LIMITS are H: 10.00 L:0.00 AMP AMP \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 3.9 PSI H: 100.0 H: 100.0 LIMITS are L:0.5 PSI PSI W2_PRS is 4.3 PSI LIMITS are 0.5 L: PSI PSI INTEMP is 62.4 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

ProControl Series II+ Fax Report

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/28/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL Ā2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP OP is OFF ASP_HH is OFF E_STOP is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

W1_GO is ON AIR_HH is OFF W2 GO ASB_GO is ON ASMPLL is OFF is ON SMP GO is OFF ASMPHH is OFF W1_ALM is OFF W2 ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 22.9 W2_FLO is 19.8 **GPM** TOTAL FLOW is 3033238 GAL GPM TOTAL FLOW is 2526411 GAL ASBPRS is 10.3 IWC LIMITS are L: 5.0 IWC H: 30.0 IWC HP_FLO is 0.00 GPM TOTAL FLOW is 7976 HP_PRS is 1.6 HP_AMP is 0.04 W1_AMP is 4.67 GAL LIMITS are PSI \mathbf{L} : PSI H: 20.0 PSI AMPLIMITS are L: 0.00 AMP H: H: 10.00 AMP AMP LIMITS are L: 0.00AMP AMP W2_AMP is 4.51 LIMITS are AMP L: 0.00 H: 10.00 AMP AMP W1_LVL is 32.30 \mathbf{FT} LIMITS are \mathbf{L} : 8.00 \mathbf{FT} H: 28.00 W2_LVL is 54.79 W1_PRS is 4.0 \mathbf{FT} \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 H: 100.0 \mathbf{FT} PSI LIMITS are L: 0.5PSI PSI W2 PRS is 4.2 PSI LIMITS are L: 0.5 PSI H: 100.0 INTEMP is 60.4 PSI DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/26/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF

Discrete Outputs:

Analog Inputs:

W1_FLO is 23.7 GPM 2966085 TOTAL FLOW is GAL W2 FLO is 19.9 GPM TOTAL FLOW is 2468592 GAL ASBPRS is 10.3 IWC LIMITS are 5.0 \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 HP_PRS is 1.7 GPM TOTAL FLOW is 7604 GAL is 1.7 LIMITS are PSI -2.0 \mathbf{L} : PSI H: 20.0 PSI HP AMP is 0.04 LIMITS are AMP \mathbf{L} : 0.00 AMP H: AMP W1 AMP is 4.64 LIMITS are AMP H: 10.00 H: 10.00 \mathbf{L} : 0.00 AMP AMP W2_AMP is W1_LVL is is 4.47 LIMITS are AMP \mathbf{L} : 0.00 AMP AMP 32.30 \mathbf{FT} LIMITS are L: 8.00 $\mathbf{F}\mathbf{T}$ H: 28.00 \mathbf{FT} W2 LVL is 54.86 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} W1_PRS is 3.9 PSI H: 100.0 H: 100.0 LIMITS are L: 0.5PSI PSI W2_PRS is 4.3 PSI LIMITS are L: 0.5PSI PSI INTEMP is 59.7 DEG LIMITS are \mathbf{L} : 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/29/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF W1_ALM is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF ASBALM is OFF W2_ALM is OFF AIR LL is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.0 **GPM** TOTAL FLOW is 3066779 GAL W2_FLO is 20.1 **GPM** TOTAL FLOW is 2555297 GAL ASBPRS is 10.1 IWC LIMITS are 5.0 \mathbf{L} : IWC H: 30.0 IWC HP_FLO is 0.00 GPM TOTAL FLOW is 8308 GAL HP PRS is 1.8 PSI LIMITS are \mathbf{L} : -2.0 PSI H: 20.0 PSI HP_AMP is 0.09 W1_AMP is 4.60 W2_AMP is 4.43 AMP LIMITS are L: 0.00 AMP H: AMP AMP LIMITS are H: 10.00 L: 0.00AMP AMP AMP LIMITS are L:0.00 AMP H: 10.00 AMP W1 LVL is 32.05 \mathbf{FT} LIMITS are L:8.00 \mathbf{FT} H: 28.00 $\mathbf{F}\mathbf{T}$ W2_LVL is 54.77 W1_PRS is 3.9 W2_PRS is 4.3 \mathbf{FT} LIMITS are L: 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} PSI LIMITS are H: 100.0 L: 0.5PSI PSI PSI LIMITS are L: 0.5 H: 100.0 PSI PSI INTEMP is 63.4 DEG LIMITS are L:42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 06/30/2012 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:34:46 ON 06/04/2012 BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP is OFF ASP_HH is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E_STOP is OFF

Discrete Outputs:

W1 GO is ON W2 GO is ON ASB GO is ON SMP_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1 ALM is OFF W2 ALM is OFF ASBALM is OFF AIR LL is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 23.2 **GPM** TOTAL FLOW is 3100285 GAL W2_FLO is 19.7 **GPM** TOTAL FLOW is 2584194 GALASBPRS is 10.2 IWC LIMITS are \mathbf{L} : IWC H: 30.0 IWC HP FLO is 0.00 TOTAL FLOW is GPM 8844 GAL HP PRS is 1.7 LIMITS are PSI \mathbf{L} : -2.0PSI H: 20.0 PSI HP_AMP is 0.04 AMP LIMITS are L: 0.00 AMP H: AMP W1_AMP W2_AMP is 4.67 AMP LIMITS are H: 10.00 L: 0.00AMP AMP is 4.50 AMP LIMITS are L: 0.00AMP H: 10.00 AMP W1_LVL is 32.16 \mathbf{FT} LIMITS are L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2LVL is 54.75 \mathbf{FT} LIMITS are L:9.00 \mathbf{FT} 52.00 H: $\mathbf{F}\mathbf{T}$ W1_PRS is 4.0 PSI L: 0.5 LIMITS are H: 100.0 PSI PSI W2 PRS is 4.3 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 61.4 DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



Appendix B

O&M Checklists and System Operation Logs Gladding Cordage South Otselic, New York NYSDEC Site #709009

 Date
 4/24/2012

 Inspector
 J. Wyckoff

 Time
 10:00

Treatment System Operation	on		Alarms		
System On (Y/N)	Υ		A/C Fail (Y/N)	N	<u></u>
RW-1 On (Y/N)	Υ		RW-1 (Y/N)	N	<u></u>
RW-2 On (Y/N)	Υ		RW-2 (Y/N)	N	
Blower On (Y/N)	Υ		Blower Pressure (Y/N)	N	_
Sump Pump On (Y/N)	N		Sump Level (Y/N)	N	_
Recovery Wells		RW-1	RW-2		
Flow Rate (GPM)		22.2	18.2		
Total Flow (Gallons)		1087853	876729	_	
Water Level (Feet Above Pro	obe)	37.52	61.72	<u>_</u>	
Probe Depth (Feet BTOC)		40	65	_	
Air Stripper					
Blower VFD Setting (Hertz)		46	Intake/Exhaust Piping Of	(Y/N)</td <td>Υ</td>	Υ
System Pressure (inches wa	iter)	10.6	Water Leaks (Y/N)	_	N
Influent/Effluent Piping OK?	(Y/N)	Y	Water Temperature (°F)	_	50
General Building/Site					
Building Condition OK? (Y/N)		Υ	Circuit Breakers Checker	ed (Y/N) Y	
Grass Mowed (Y/N)		No	Outfall Condition OK? (Y/N)		Υ
Monitoring Wells OK? (Y/N)		Y	Samples Collected (Y/N) Y		<u> </u>
Notes:					
Electric uinit heater inoperati	ve. Found d	efective hea	ter rheostat. Removed for	replacement	

Gladding Cordage South Otselic, New York NYSDEC Site #709009

 Date
 5/24/2012

 Inspector
 J. Wyckoff

 Time
 10:00

Treatment System Operation		Alarms					
System On (Y/N) Y		A/C Fail (Y/N)	N				
RW-1 On (Y/N) Y		RW-1 (Y/N)	N				
RW-2 On (Y/N) Y		RW-2 (Y/N)	N				
Blower On (Y/N) Y	<u></u>	Blower Pressure (Y/N)	N	<u></u>			
Sump Pump On (Y/N) N	<u> </u>	Sump Level (Y/N)	<u>Y</u>	<u> </u>			
Recovery Wells	RW-1	RW-2					
Flow Rate (GPM)	22.8	20.3	_				
Total Flow (Gallons)	1990305	1629609					
Water Level (Feet Above Probe)	33.16	55.45	_				
Probe Depth (Feet BTOC)	40	65	<u>-</u>				
Air Stripper							
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK	? (Y/N)	Υ			
System Pressure (inches water)	10.1	Water Leaks (Y/N)		Υ			
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)		50			
Heat Exchanger							
Heat (On/Off)	Off	Building Temperature (°F)		61			
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure	(PSI)	0			
General Building/Site							
Building Condition OK? (Y/N)	Y	Circuit Breakers Checked	(Y/N)	Υ			
Grass Mowed (Y/N)	Y	Outfall Condition OK? (Y/N)		Y			
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)		Y			
Notes:							
Leak found in heat pump piping.							
System for heat pump turned off. Turn	off circuit brea	aker.					
Closed water valves to isolate leak.							
Contacted Aztech to repair.							
Sump level fault due to water leak.							
-							

Gladding Cordage South Otselic, New York NYSDEC Site #709009

 Date
 6/19/2012

 Inspector
 J. Wyckoff

 Time
 11:50

Treatment System Opera	tion		Alarms		
System On (Y/N)	Υ		A/C Fail (Y/N)	N	
RW-1 On (Y/N)	Υ	<u></u>	RW-1 (Y/N)	N	
RW-2 On (Y/N)	Y		RW-2 (Y/N)	N	
Blower On (Y/N)	Υ		Blower Pressure (Y/N)	N	
Sump Pump On (Y/N)	N		Sump Level (Y/N)	N	
Deservem Wells		RW-1	DIM O		_
Recovery Wells			RW-2		
Flow Rate (GPM)	_	23.6	19.9	_	
Total Flow (Gallons)		2730708	2266138	_	
Water Level (Feet Above Probe)		32.84	54.98		
Probe Depth (Feet BTOC)	-	40	65	_	
Air Stripper					
Blower VFD Setting (Hertz) _	46	Intake/Exhaust Piping OK? (Y/N)		Y
System Pressure (inches v	vater)	10.1	Water Leaks (Y/N)		N
Influent/Effluent Piping OK? (Y/N)		Υ	Water Temperature (°F)		50
Heat Exchanger					
Heat (On/Off)		Off	Building Temperature (°F	:)	63
Heat Exchanger Flow (GPI		0	. , ,		1.6
Treat Exchanger Flow (OF)	_		Tieat Exchanger i ressure	5 (1 OI)	1.0
General Building/Site					
Building Condition OK? (Y/N)		Y	Circuit Breakers Checked (Y/N) Y		Y
Grass Mowed (Y/N)		Y	Outfall Condition OK? (Y/N)		Y
Monitoring Wells OK? (Y/N)		Y	Samples Collected (Y/N) Y		<u> </u>
Notes:					
notoo.					



Appendix C

Analytical Reporting Forms



ANALYTICAL RESULTS SUMMARY

PROJECT NAME: DEC GLADDING CORDAGE

ARCADIS INC. 855 Route 146, Suite 210

Clifton Park , NY - 12065

Phone No: 5182507300

ORDER ID: D2391

ATTENTION: Jeremy Wyckoff







Cover Page

Order ID: D2391

Project ID: DEC Gladding Cordage

Client: Arcadis Inc.

Lab Sample Number Client Sample Number

D2391-01	RW-1
D2391-02	RW-2
D2391-03	EFF46HZ
D2391-04	TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :	

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	(Method	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
RW-1	D2391-01	8260-Low					
RW-2	D2391-02	8260-Low					
EFF46HZ	D2391-03	8260-Low					
TRIPBLANK	D2391-04	8260-Low					

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
D2391-01	WATER	04/24/12	04/25/12		05/02/12
D2391-02	WATER	04/24/12	04/25/12		05/02/12
D2391-03	WATER	04/24/12	04/25/12		05/02/12
D2391-04	WATER	04/24/12	04/25/12		05/02/12

^{*} Details For Test :VOC-TCLVOA-10

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D2391-01	Water	8260-Low	OLM04.3		
D2391-02	Water	8260-Low	OLM04.3		
D2391-03	Water	8260-Low	OLM04.3		
D2391-04	Water	8260-Low	OLM04.3		

Chain of **Custody Record**

1. Relinguished By

Comments

3. Relinquished By Fed Ex

Temperature on Receipt ..



Date

Time

Drinking Water? Yes □ No THE LEADER IN ENVIRONMENTAL TESTING TAL-4124 (1007) Client Project Manager ARCANTS-US Jereny Wyckoff
Telephone Number (Area Code)/Fax Number 4/24/12 518-250-7300 / 730 , Site Contact | Lab Contact Clifton Puk NY
Project Name and Location (State) Site Contact Analysis (Attach list if 12065 Juxkoff KUTH Hummler more space is needed) Project Name and Location (State)

NYSDEC - Gladding Corday, NY

Contract/Purchase Order/Quote No. Carrier/Waybill Number Special Instructions/ Containers & Conditions of Receipt 00266365,0000 Matrix Preservatives Sample I.D. No. and Description NaOH ZnAc/ NaOH Date Time (Containers for each sample may be combined on one line) Sed. HC/ Rw-1 4/24/12 10.00 R-W-Z 10:15 EFF 46 HZ メ TRIPBLANK Possible Hazard Identification Sample Disposal (A fee may be assessed if samples are retained 🔀 Non-Hazard 🗌 Flammable 🗌 Skin Irritant 🗌 Poison B 🔲 Unknown 📗 Return To Client Disposal By Lab Archive For _____ Months longer than 1 month) Turn Around Time Required QC Requirements (Specify) ☐ 24 Hours ☐ 48 Hours 🗌 7 Days 🔀 14 Days 🔲 21 Days

Time

1300

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2. Received By

3. Received By

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Phone 518 250-7306

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CASE NARRATIVE

Arcadis Inc.

Project Name: DEC Gladding Cordage

Project # N/A

Chemtech Project # D2391 Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Water samples were received on 04/25/2012.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_G were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by OI Analytical, OI #10 Trap, OI Eclipse 4660 Concentrator. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {D2387-14MS} with File ID: VG042163.D recoveries met the requirements for all compounds except for Chloromethane[134%].

The MSD {D2387-15MSD} with File ID: VG042164.D recoveries met the acceptable requirements except for Chloromethane[128%].

The RPD for {D2387-15MSD} with File ID: VG042164.D recoveries met criteria except for 1,4-Dioxane[22%].

The Blank Spike met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The %RSD is greater than 15% in the Initial Calibration (Method 82G042912W.M) for Chloroethane is passing on linear regression and Bromomethane & Acetone are passing on Quadratic regression.

The Continuous Calibration File ID VG042143.D met the requirements except for Methylcyclohexane but it was not detected in any samples.

The Tuning criteria met requirements.



E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature		
Digilatale		



Client: Arcadis Inc. Date Collected: 04/24/12 Project: DEC Gladding Cordage Date Received: 04/25/12 SDG No.: Client Sample ID: RW-1 D2391

WATER Lab Sample ID: D2391-01 Matrix: Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: ID: 0.18 Level: RTX-VMS LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VG042178.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	\mathbf{U}	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1.4		0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	\mathbf{U}	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1.9		0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	45		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Client:Arcadis Inc.Date Collected:04/24/12Project:DEC Gladding CordageDate Received:04/25/12

Client Sample ID:RW-1SDG No.:D2391Lab Sample ID:D2391-01Matrix:WATERAnalytical Method:SW8260C% Moisture:100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RTX-VMS ID: 0.18 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID
VG042178.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.5		61 - 14	1	93%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	53.2		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		58 - 135	5	103%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	457602	3.83				
540-36-3	1,4-Difluorobenzene	631185	4.63				
3114-55-4	Chlorobenzene-d5	709662	9.63				
3855-82-1	1,4-Dichlorobenzene-d4	334577	13.34				





Client: Arcadis Inc.

DEC Gladding Cordage

Client Sample ID: RW-1

Lab Sample ID: D2391-01

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

RTX-VMS ID: 0.18

Date Collected:

04/24/12

D2391

Date Received: 04/25/12

Matrix:

SDG No.:

WATER 100

% Moisture:

5000

uL

Test:

VOC-TCLVOA-10

Level:

Final Vol:

LOW

File ID/Qc Batch:

VG042178.D

GC Column:

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

05/02/12

VG050112

CAS Number

Project:

Parameter

Conc.

Qualifier

MDL

LOD LO

LOQ / CRQL

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Client: Arcadis Inc. Date Collected: 04/24/12 DEC Gladding Cordage Project: 04/25/12 Date Received: Client Sample ID: RW-2 SDG No.: D2391

Lab Sample ID: D2391-02 Matrix: WATER Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

ID: 0.18 Level: GC Column: RTX-VMS LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VG042179.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.94	J	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1.1		0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	39		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Client:Arcadis Inc.Date Collected:04/24/12Project:DEC Gladding CordageDate Received:04/25/12

Client Sample ID: RW-2 SDG No.: D2391

Lab Sample ID: D2391-02 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RTX-VMS ID: 0.18 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID
VG042179.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	46.7		61 - 14	1	93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	52.1		65 - 126		104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		58 - 135	5	103%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	449632	3.83				
540-36-3	1,4-Difluorobenzene	625673	4.62				
3114-55-4	Chlorobenzene-d5	703849	9.62				
3855-82-1	1,4-Dichlorobenzene-d4	329766	13.33				





Client: Arcadis Inc.

DEC Gladding Cordage

Client Sample ID: RW-2

Lab Sample ID: D2391-02

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RTX-VMS ID: 0.18 Date Collected:

04/24/12

Date Received:

04/25/12

SDG No.: D2391

Matrix:

Final Vol:

WATER

% Moisture:

100 5000

uL

Test:

VOC-TCLVOA-10

Level:

LOW

File ID/Qc Batch:

VG042179.D

Dilution:

Prep Date

Date Analyzed

Prep Batch ID

05/02/12

VG050112

CAS Number

Project:

Parameter

Qualifier

MDL

LOD

LOQ / CRQL

uL

Conc.

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Sample Wt/Vol:

5

Units:

mL

Report of Analysis

Client: Arcadis Inc. Date Collected: 04/24/12 Project: DEC Gladding Cordage 04/25/12 Date Received: Client Sample ID: EFF46HZ SDG No.: D2391 D2391-03 Matrix: WATER Lab Sample ID:

Analytical Method: SW8260C % Moisture: 100

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Final Vol:

5000

uL

ID: 0.18 Level: GC Column: RTX-VMS LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VG042180.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Client:Arcadis Inc.Date Collected:04/24/12Project:DEC Gladding CordageDate Received:04/25/12

Client Sample ID: EFF46HZ SDG No.: D2391

Lab Sample ID: D2391-03 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RTX-VMS ID: 0.18 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

VG042180.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.1		61 - 14		94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		69 - 133		99%	SPK: 50
2037-26-5	Toluene-d8	52.3		65 - 120		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		58 - 135	5	103%	SPK: 50
INTERNAL ST			2.62				
363-72-4	Pentafluorobenzene	464880	3.83				
540-36-3	1,4-Difluorobenzene	656128	4.62				
3114-55-4	Chlorobenzene-d5	716133	9.62				
3855-82-1	1,4-Dichlorobenzene-d4	330984	13.33				





Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: EFF46HZ

Lab Sample ID: D2391-03

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RTX-VMS ID: 0.18 Date Collected:

04/24/12

D2391

Date Received: 04/25/12

SDG No.:

Matrix: WATER

% Moisture:

Final Vol:

Level:

100

LOW

5000

Test: VOC-TCLVOA-10

File ID/Qc Batch:

VG042180.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

05/02/12

VG050112

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD

LOQ / CRQL

Units

uL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Client: Arcadis Inc. Date Collected: 04/24/12 Project: DEC Gladding Cordage 04/25/12 Date Received: Client Sample ID: TRIPBLANK SDG No.: D2391 D2391-04 Matrix: WATER Lab Sample ID: Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

ID: 0.18 Level: GC Column: RTX-VMS LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VG042172.D 1 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



5

Units:

mL

Report of Analysis

Client: Arcadis Inc. Date Collected: 04/24/12 Project: DEC Gladding Cordage Date Received: 04/25/12 Client Sample ID: TRIPBLANK SDG No.: D2391 Lab Sample ID: D2391-04 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Final Vol:

5000

uL

ID: 0.18 Level: GC Column: RTX-VMS LOW

File ID/Qc Batch: Dilution: Prep Batch ID Prep Date Date Analyzed VG042172.D 05/02/12 VG050112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES	8						
17060-07-0	1,2-Dichloroethane-d4	46.2		61 - 141	[92%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		69 - 133	3	102%	SPK: 50
2037-26-5	Toluene-d8	52.2		65 - 126	5	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52		58 - 135	5	104%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	469774	3.84				
540-36-3	1,4-Difluorobenzene	659239	4.63				
3114-55-4	Chlorobenzene-d5	734346	9.62				
3855-82-1	1,4-Dichlorobenzene-d4	362307	13.33				





Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: TRIPBLANK

Lab Sample ID: D2391-04

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RTX-VMS ID: 0.18

Date Collected:

04/24/12

Date Received:

04/25/12

WATER

SDG No.: D2391

Matrix:

% Moisture:

Final Vol:

100

5000

uL

Test:

VOC-TCLVOA-10

Level:

LOW

File ID/Qc Batch:

VG042172.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

05/02/12

VG050112

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD L

LOQ / CRQL

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Hit Summary Sheet SW-846

SDG No.: D2391

Client: Arcadis Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RW-1								
D2391-01	RW-1	WATER	1,1-Dichloroethene	1.40		0.47	0.5	1.0	ug/L
D2391-01	RW-1	WATER	1,1-Dichloroethane	1.90		0.36	0.5	1.0	ug/L
D2391-01	RW-1	WATER	1,1,1-Trichloroethane	45.00		0.40	0.5	1.0	ug/L
			Total Voc	:	48	3.30			
			Total Concent	tration:	48	.30			
Client ID:	RW-2								
D2391-02	RW-2	WATER	1,1-Dichloroethene	0.94	J	0.47	0.5	1.0	ug/L
D2391-02	RW-2	WATER	1,1-Dichloroethane	1.10		0.36	0.5	1.0	ug/L
D2391-02	RW-2	WATER	1,1,1-Trichloroethane	39.00		0.40	0.5	1.0	ug/L
			Total Voc	:	41	1.04			
			Total Concent	tration:	41	.04			



ANALYTICAL RESULTS SUMMARY

PROJECT NAME: DEC GLADDING CORDAGE

ARCADIS INC. 855 Route 146, Suite 210

Clifton Park, NY - 12065

Phone No: 518-250-7300

ORDER ID: D2852

ATTENTION: Jeremy Wyckoff







Cover Page

Order ID: D2852

Project ID: DEC Gladding Cordage

Client: Arcadis Inc.

Lab Sample Number Client Sample Number

 D2852-01
 RW-1

 D2852-02
 RW-2

 D2852-03
 EFF46HZ

 D2852-04
 TRIPBLAK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :	 Data	6/11/2012
-	 Date:	6/11/2012

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
RW-1	D2852-01	8260-Low					
RW-2	D2852-02	8260-Low					
EFF46HZ	D2852-03	8260-Low					
TRIPBLAK	D2852-04	8260-Low					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIa

SAMPLE PREPARATION AND ANALYSIS SUMMARY SEMIVOLATILE (BNA) ANALYSES

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
D2852-01	WATER	05/24/12	05/25/12		05/25/12
D2852-02	WATER	05/24/12	05/25/12		05/25/12
D2852-03	WATER	05/24/12	05/25/12		05/25/12
D2852-04	WATER	05/24/12	05/25/12		05/25/12

^{*} Details For Test :VOC-TCLVOA-10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D2852-01	Water	8260-Low	OLM04.3		
D2852-02	Water	8260-Low	OLM04.3		
D2852-03	Water	8260-Low	OLM04.3		
D2852-04	Water	8260-Low	OLM04.3		



CASE NARRATIVE

Arcadis Inc.

Project Name: DEC Gladding Cordage

Project # N/A

Chemtech Project # D2852 Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Water samples were received on 05/25/2012.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_R were done using GC column RXI-624SIL MS 30m 0.25mm 1.4um 872456The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {D2849-08MS} with File ID: VR005620.D recoveries met the requirements for all compounds except for 1,2-Dibromo-3-Chloropropane[154%], 4-Methyl-2-

Pentanone[136%], Benzene[500%], Ethyl Benzene[520%] and Methyl Acetate[172%].

The MSD {D2849-09MSD} with File ID: VR005621.D recoveries met the acceptable requirements except for 1,2-Dibromo-3-Chloropropane[186%], 1,4-Dioxane[170%], 4-Methyl-2-Pentanone[136%], Benzene[420%], Ethyl Benzene[500%] and Methyl

Acetate[180%].

The RPD recoveries met criteria.

The Blank Spike for $\{BSR0525W1\}$ with File ID: VR005606.D met requirements for all samples except for Methyl Acetate [195%].

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The %RSD is greater than 15% in the Initial Calibration (Method 82R051412W.M) for 1,2,3-Trichlorobenzen, 1,2,4-Trichlorobenzen, Bromomethane,Cyclohexane, t-1,3-Dichloropropene,2-Hexanone, Bromoform these compounds are passing on linear regression and Methyl Acetate is passing on quadratic regression.

The Continuous Calibration File ID VR005604.D met the requirements except for Methyl Acetate .It was not detected in any sample.

The Tuning criteria met requirements.



E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

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Hit Summary Sheet SW-846

SDG No.: D2852

Client: Arcadis Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RW-1								
D2852-01	RW-1	WATER	1,1-Dichloroethene	1.40		0.47	0.5	1.0	ug/L
D2852-01	RW-1	WATER	1,1-Dichloroethane	1.90		0.36	0.5	1.0	ug/L
D2852-01	RW-1	WATER	1,1,1-Trichloroethane	48.00		0.40	0.5	1.0	ug/L
			Total Voc	:	51	.30			
			Total Concent	ration:	51	.30			
Client ID:	RW-2								
D2852-02	RW-2	WATER	1,1-Dichloroethene	0.99	J	0.47	0.5	1.0	ug/L
D2852-02	RW-2	WATER	1,1-Dichloroethane	0.90	J	0.36	0.5	1.0	ug/L
D2852-02	RW-2	WATER	1,1,1-Trichloroethane	41.00		0.40	0.5	1.0	ug/L
			Total Voc	:	42	89			
			Total Concent	ration:	42	.89			

SDG No.:

D2852



RW-1

Report of Analysis

Client: Arcadis Inc. Date Collected: 05/24/12 DEC Gladding Cordage Project: Date Received: 05/25/12

Client Sample ID: Lab Sample ID: D2852-01 Matrix: WATER Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL

VOC-TCLVOA-10 Soil Aliquot Vol: uL Test:

ID: 0.25 Level: GC Column: RXI-624 LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date

VR005612.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1.4		0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	UQ	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1.9		0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	48		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

SDG No.:

% Moisture:

D2852

100



RW-1

SW8260C

Client Sample ID:

Analytical Method:

Report of Analysis

Client: Arcadis Inc. Date Collected: 05/24/12

Project: DEC Gladding Cordage Date Received: 05/25/12

Lab Sample ID: D2852-01 Matrix: WATER

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

VR005612.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L	
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L	
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L	
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L	
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L	
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L	
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L	
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L	
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L	
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L	
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L	
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L	
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L	
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L	
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L	
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L	
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L	
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L	
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L	
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L	
SURROGATES								
17060-07-0	1,2-Dichloroethane-d4	53		61 - 141		106%	SPK: 50	
1868-53-7	Dibromofluoromethane	53.7		69 - 133		107%	SPK: 50	
2037-26-5	Toluene-d8	52.9		65 - 126		106%	SPK: 50	
460-00-4	4-Bromofluorobenzene	52.2		58 - 135	5	104%	SPK: 50	
INTERNAL ST								
363-72-4	Pentafluorobenzene	1021850	7.59					
540-36-3	1,4-Difluorobenzene	1820360	8.5					
3114-55-4	Chlorobenzene-d5	1651250	11.31					
3855-82-1	1,4-Dichlorobenzene-d4	798142	13.25					





Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: RW-1

Lab Sample ID: D2852-01

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25 Date Collected:

05/24/12

Date Received:

05/25/12

SDG No.: D2852

Matrix:

Final Vol:

WATER

% Moisture:

100 5000

uL

Test:

VOC-TCLVOA-10

Level:

LOW

File ID/Qc Batch:

VR005612.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

05/25/12

VR052512

CAS Number

Parameter

Qualifier

LOQ / CRQL

Conc.

MDL

LOD

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Analytical Method:

SW8260C

Report of Analysis

Client:Arcadis Inc.Date Collected:05/24/12Project:DEC Gladding CordageDate Received:05/25/12

Client Sample ID: RW-2 SDG No.: D2852

Lab Sample ID: D2852-02 Matrix: WATER

Sample Wt/Vol: 5 Units: mL Final Vol: 5000

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

% Moisture:

100

uL

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

VR005613.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.99	J	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	UQ	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.9	J	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	41		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Analytical Method:

SW8260C

Report of Analysis

Client: Arcadis Inc. Date Collected: 05/24/12

Project: DEC Gladding Cordage Date Received: 05/25/12

Client Sample ID: RW-2 SDG No.: D2852
Lab Sample ID: D2852-02 Matrix: WATER

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

% Moisture:

100

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

VR005613.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.4		61 - 14		107%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		69 - 13		106%	SPK: 50
2037-26-5	Toluene-d8	53.1		65 - 120		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52		58 - 13:	5	104%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	1008860	7.59				
540-36-3	1,4-Difluorobenzene	1806130	8.5				
3114-55-4	Chlorobenzene-d5	1651290	11.31				
3855-82-1	1,4-Dichlorobenzene-d4	796525	13.25				



Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: RW-2

Lab Sample ID: D2852-02

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25

Date Collected:

05/24/12

WATER

Date Received: 05/25/12

SDG No.: D2852

% Moisture: 100

Final Vol: 5000

Test: VOC-TCLVOA-10

Level: LOW

File ID/Qc Batch:

VR005613.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

05/25/12

VR052512

CAS Number

Parameter

Conc.

Qualifier

MDL

Matrix:

LOD L

LOQ / CRQL

Units

uL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution



Client:Arcadis Inc.Date Collected:05/24/12Project:DEC Gladding CordageDate Received:05/25/12Client Sample ID:EFF46HZSDG No.:D2852

Lab Sample ID: D2852-03 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID VR005614.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	UQ	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Analytical Method:

SW8260C

Report of Analysis

Client: Arcadis Inc. Date Collected: 05/24/12

Project: DEC Gladding Cordage Date Received: 05/25/12

Client Sample ID: EFF46HZ SDG No.: D2852

Lab Sample ID: D2852-03 Matrix: WATER

Sample Wt/Vol: 5 Units: mL Final Vol: 5000

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

% Moisture:

100

uL

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

VR005614.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.4		61 - 14		109%	SPK: 50
1868-53-7	Dibromofluoromethane	53		69 - 133		106%	SPK: 50
2037-26-5	Toluene-d8	53.1		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		58 - 135	5	105%	SPK: 50
INTERNAL ST		006155	7.50				
363-72-4	Pentafluorobenzene	986155	7.59				
540-36-3	1,4-Difluorobenzene	1775370	8.5				
3114-55-4	Chlorobenzene-d5	1623370	11.31				
3855-82-1	1,4-Dichlorobenzene-d4	783766	13.25				





Client: Arcadis Inc.

Project: DEC Gladding Cordage

D2852-03

Client Sample ID: EFF46HZ

Analytical Method: SW8260C

Lab Sample ID:

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25

Date Collected: 05/24/12

Date Received: 05/25/12

SDG No.: D2852

Matrix: WATER

Final Vol:

Level:

% Moisture: 100

5000

LOW

uL

Test: VOC-TCLVOA-10

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID

uL

VR005614.D 1 05/25/12 VR052512

CAS Number Parameter Conc. Qualifier MDL LOD LOQ/CRQL Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits



Client: Arcadis Inc. Date Collected: 05/24/12 DEC Gladding Cordage Project: Date Received: 05/25/12 TRIPBLAK Client Sample ID: SDG No.: D2852 D2852-04 Matrix: WATER Lab Sample ID:

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: Units: mL5000 uL Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Final Vol:

Level: GC Column: RXI-624 ID: 0.25 LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VR005611.D 1 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	UQ	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Sample Wt/Vol:

5

Units:

mL

Report of Analysis

Client: Arcadis Inc. Date Collected: 05/24/12

Project: DEC Gladding Cordage Date Received: 05/25/12 Client Sample ID: TRIPBLAK SDG No.: D2852

Lab Sample ID: D2852-04 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Final Vol:

5000

uL

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date

VR005611.D 05/25/12 VR052512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	53.1		61 - 141		106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		69 - 133		106%	SPK: 50
2037-26-5	Toluene-d8	53.3		65 - 126		107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		58 - 135	5	106%	SPK: 50
INTERNAL STA							
363-72-4	Pentafluorobenzene	1037410	7.59				
540-36-3	1,4-Difluorobenzene	1829800	8.5				
3114-55-4	Chlorobenzene-d5	1679760	11.31				
3855-82-1	1,4-Dichlorobenzene-d4	817816	13.25				



5B5@M+=75@F9GI@+GGIAA5FM

PROJECT NAME: DEC GLADDING CORDAGE

ARCADIS INC.

855 Route 146, Suite 210

Clifton Park, NY - 12065

Phone No: 518-250-7300

ORDER ID: D3130

ATTENTION: Jeremy Wyckoff





NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
RW-1	D3130-01	8260-Low					
RW-2	D3130-02	8260-Low					
EFF-46HZ	D3130-03	8260-Low					
TRIPBLANK	D3130-04	8260-Low					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY MISCELLANEOUS ORGANIC ANALYSES

Laboratory Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Cleanup	Dil/Conc Factor
D3130-01	Water	8260-Low	OLM04.3		
D3130-02	Water	8260-Low	OLM04.3		
D3130-03	Water	8260-Low	OLM04.3		
D3130-04	Water	8260-Low	OLM04.3		



Cover Page

Order ID: D3130

Project ID: DEC Gladding Cordage

Client: Arcadis Inc.

Lab Sample Number Client Sample Number

D3130-01 RW-1
D3130-02 RW-2
D3130-03 EFF-46HZ
D3130-04 TRIPBLANK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :		
Signature .	Date:	6/28/2012

NYDOH CERTIFICATION NO - 11376 NJDEP CERTIFICATION NO - 20012



CASE NARRATIVE

Arcadis Inc.

Project Name: DEC Gladding Cordage

Project # N/A

Chemtech Project # D3130 Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Water samples were received on 06/20/2012.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_R were done using GC column RXI-624SIL MS 30m 0.25mm 1.4um 872456The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD recoveries met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The % RSD is greater than 15% in the Initial Calibration (method 82R062212W.M) for Bromochloromethane, Methylene Chloride, Bromomethane, Methylene Chloride, Bromochloromethane, Cyclohexane, t-1,3-Dichloropropene & Tetrachloroethene compound are passing on Linear Regression and Methyl Acetate this compound is passing on Ouadratic Regression.

The Continuous Calibration File ID VR006148.D met the requirements except for Bromomethane.

The Tuning criteria met requirements.

E. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.



F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the
contract, both technically and for completeness, for other than the conditions detailed
above. The laboratory manager or his designee, as verified by the following signature has
authorized release of the data contained in this hard copy data package.

Signature		
Signature		

CHEMIECH

284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax (908) 789-8922 www.chemtech.net

COC Number (12622	7
QUOTE NO.	
CHEMTECH PROJECT NO.	03130

CHAIN OF C	CUSTODY RE	icord 天	205004	PROJECT NAME: Cladd in S Cordage PROJECT NAME: Cladd in S Cordage PROJECT NO: LOCATION. SI DYSLIX PROJECT MANAGER: T, WYCK &ff e-mail: 1 (2 (2 m.y.) 1) 2 C C C C C C C C C C C C C C C C C C																	
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COMPANY:	REPORT T	TO BE SENT TO:		PROJEC	T NA!	ME:	Glad	ding	<u>, Co</u>	rda	ye_		BILL TO	D: A	RCI	M	ζ			66365	(0020
ADDRESS: 8	755 Raj	te 146 s	T6210	PROJEC	OF NO	Z6(63621	LOCA	TION:	Si D	+ selv	ک	ADDRESS:								
			Y ZIP: 17065	2									CITY: Highland's Ranch STATE: CO ZIP:								
•	J. WYCK				<u>, 214</u>	lm)	いんりゃく	Koff &	arc.	عنائع	- US,C	Din	ATTEN	ITION:	and a special	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
		TO FAX: 25	0-7301	PHONE:													ANA	LYSIS			
	DATA TURNARO	UND INFORMAT	ION		D	ATA	DELIVER	RABLE IN	FORM	ATION				/ /	/ /	/ /	/ /	/ /	//		
EDD: PREAPPROV	/ED TAT: 🛕 YES	□ NO IME IS 10 BUSINE	DAYS*	□ LEVEI □ LEVEI □ LEVE	L 2: Re L 3: Re L 4: Re	esults esults esults	s + QC s (plus res s + QC (all	sults raw o	data) +	QC 1	KL1 2	1023	/4	5	6	/	8	9			
CHEMTECH SAMPLE ID		PROJECT MPLE IDENTIFIC		R '	TY	PE	COLLE	CTION	# OF BOTTLES	A 1	2	3				7	8	9	← Spec A – HC C – H ₂ S	ify Prese	rvatives -HNO ₃ -NaOH
1.	RW-	.)		AQ		X	6/11/1	2 1/3	2	X								<u> </u>	<u> </u>		. , , , , , , , , , , , , , , , , , , ,
2.	RW:	2				1		1135	2		1						ļ	ļ	-		
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4.	TRIP	Blank		V		V	V		2	W_		ļ					 	 	 		
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10.				<u> </u>					1 50 6		F 0000	PESSIC	N INCI	LIDING	COU	DIED D	FLIVE		1	7 1 ()	
RELINOUISHED BY 1. RELINOUISHED BY 2.		DATE/TIME: DATE/TIME:	RECEIVED BY: 1. RECEIVED BY:		D RE	LOW	Condit MeO	ions of bot H extracti	ties or c	oolers a	additio	t: Enal 4 62	Comp	oliant percen	□ t solid.	Non Co	mpliant	Co loc	e in Cooler	?: <u> </u>	Complete:
3. FED	EX	6/20 12	3. M W	well			Page	<u> </u>	of_	<u>)</u>	s	HIPPED 69	via: CL of 72	LIENT: HEMTEC	AAH 🔃 H: 🗀	ID DELI\ PICKED	VERED OUP [OVERN		ES ES	



Hit Summary Sheet SW-846

SDG No.: D3130

Client: Arcadis Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	RW-1								
D3130-01	RW-1	WATER	1,1-Dichloroethene	1.40		0.47	0.5	1.0	ug/L
D3130-01	RW-1	WATER	1,1-Dichloroethane	1.80		0.36	0.5	1.0	ug/L
D3130-01	RW-1	WATER	1,1,1-Trichloroethane	46.00		0.40	0.5	1.0	ug/L
			Total Voc	: :	49	.20			
			Total Concen	tration:	49.	20			
Client ID:	RW-2								
D3130-02	RW-2	WATER	1,1-Dichloroethene	1.40		0.47	0.5	1.0	ug/L
D3130-02	RW-2	WATER	1,1-Dichloroethane	0.85	J	0.36	0.5	1.0	ug/L
D3130-02	RW-2	WATER	1,1,1-Trichloroethane	39.00		0.40	0.5	1.0	ug/L
			Total Voc	: :	41	.25			
			Total Concen	tration:	41.	25			

SDG No.:

Final Vol:

D3130

5000

uL



RW-1

5

Units:

mL

Client Sample ID:

Sample Wt/Vol:

Report of Analysis

Client: Arcadis Inc. Date Collected: 06/19/12

DEC Gladding Cordage Project: Date Received: 06/20/12

Matrix: WATER Lab Sample ID: D3130-01

Analytical Method: SW8260C % Moisture: 100

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Level: GC Column: RXI-624 ID: 0.25 LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date

VR006145.D 06/23/12 VR062212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1.4		0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	1.8		0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	46		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L
						12 0	

13 of 72



Sample Wt/Vol:

5

Units:

mL

Report of Analysis

Client:Arcadis Inc.Date Collected:06/19/12Project:DEC Gladding CordageDate Received:06/20/12

Client Sample ID: RW-1 SDG No.: D3130
Lab Sample ID: D3130-01 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Final Vol:

5000

uL

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID
VR006145.D 1 06/23/12 VR062212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units	
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L	
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L	
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L	
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L	
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L	
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L	
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L	
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L	
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L	
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L	
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L	
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L	
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L	
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L	
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L	
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L	
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L	
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L	
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L	
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L	
SURROGATES								
17060-07-0	1,2-Dichloroethane-d4	50.7		61 - 141		101%	SPK: 50	
1868-53-7	Dibromofluoromethane	51.2		69 - 133		102%	SPK: 50	
2037-26-5	Toluene-d8	50.3		65 - 126	5	101%	SPK: 50	
460-00-4	4-Bromofluorobenzene	49.5		58 - 135	5	99%	SPK: 50	
INTERNAL ST								
363-72-4	Pentafluorobenzene	962985	7.58					
540-36-3	1,4-Difluorobenzene	1889670	8.5					
3114-55-4	Chlorobenzene-d5	1737020	11.3					
3855-82-1	1,4-Dichlorobenzene-d4	813208	13.24					



Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: RW-1

Lab Sample ID: D3130-01

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25 Date Collected:

06/19/12

Date Received:

06/20/12

SDG No.: D3130

Matrix:

Final Vol:

WATER

% Moisture:

100

5000

uL

Test:

VOC-TCLVOA-10

Level:

LOW

File ID/Qc Batch:

VR006145.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

06/23/12

VR062212

Units

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD

LOQ / CRQL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

SDG No.:



Report of Analysis

Client: Arcadis Inc. Date Collected: 06/19/12 Project: DEC Gladding Cordage Date Received: 06/20/12

Client Sample ID: RW-2 D3130 Matrix: Lab Sample ID: D3130-02 WATER Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Level: GC Column: RXI-624 ID: 0.25 LOW

File ID/Qc Batch: Date Analyzed Prep Batch ID Dilution: Prep Date VR006152.D 1 06/25/12 VR062512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	1.4		0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.85	J	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	39		0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L

16 of 72



Client: Arcadis Inc. Date Collected: 06/19/12

Project: DEC Gladding Cordage Date Received: 06/20/12 Client Sample ID: RW-2 SDG No.: D3130

Matrix: WATER Lab Sample ID: D3130-02

Analytical Method: SW8260C % Moisture: 100 Sample Wt/Vol: 5 Units: mLFinal Vol: 5000

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

Level: GC Column: RXI-624 ID: 0.25 LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date

VR006152.D 06/25/12 VR062512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.5		61 - 141		97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		69 - 133		101%	SPK: 50
2037-26-5	Toluene-d8	49.6		65 - 126		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		58 - 135	5	101%	SPK: 50
INTERNAL ST		1001250	7. 5. 0				
363-72-4	Pentafluorobenzene	1091370	7.58				
540-36-3	1,4-Difluorobenzene	2178660	8.5				
3114-55-4	Chlorobenzene-d5	1991210	11.31				
3855-82-1	1,4-Dichlorobenzene-d4	928713	13.24				

uL



Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: RW-2

Lab Sample ID: D3130-02

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25

Bute Received.

Date Collected:

Date Received:

06/20/12

06/19/12

SDG No.:

D3130 WATER

5000

LOW

Matrix: % Moisture:

Final Vol:

Χ.

100

uL

uL

Test:

VOC-TCLVOA-10

Level:

File ID/Qc Batch:

VR006152.D

Dilution:

Prep Date

Date Analyzed

Prep Batch ID

06/25/12

VR062512

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD I

LOQ / CRQL

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits



Client: Arcadis Inc. Date Collected: 06/19/12 DEC Gladding Cordage Project: Date Received: 06/20/12 Client Sample ID: EFF-46HZ SDG No.: D3130

Lab Sample ID: Matrix: WATER D3130-03 Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mLFinal Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

ID: 0.25 Level: GC Column: RXI-624 LOW

File ID/Qc Batch: Dilution: Date Analyzed Prep Batch ID Prep Date VR006153.D 1 06/25/12 VR062512

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Client: Arcadis Inc. Date Collected: 06/19/12 Project: **DEC Gladding Cordage** Date Received: 06/20/12 SDG No.: Client Sample ID: EFF-46HZ D3130

Matrix: WATER Lab Sample ID: D3130-03 Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID 1 VR006153.D 06/25/12 VR062512

CAS Number Parameter Conc. **Qualifier MDL** LOD LOQ / CRQL Units 10061-01-5 0.5 U 0.31 0.5 1 ug/L cis-1,3-Dichloropropene 79-00-5 1,1,2-Trichloroethane 0.5 U 0.38 0.5 1 ug/L 591-78-6 2-Hexanone 2.5 U 1.9 2.5 5 ug/L 124-48-1 Dibromochloromethane 0.5 U 0.2 0.5 1 ug/L 106-93-4 1,2-Dibromoethane 0.5 U 0.41 0.5 1 ug/L 127-18-4 Tetrachloroethene 0.5 U 0.27 0.5 1 ug/L 0.5 0.49 0.5 108-90-7 Chlorobenzene U 1 ug/L U 0.2 0.5 100-41-4 Ethyl Benzene 0.5 1 ug/L U m/p-Xylenes 1 0.95 1 2 ug/L 179601-23-1 0.5 0.5 o-Xylene U 0.43 ug/L 95-47-6 1 U 0.5 100-42-5 Styrene 0.5 0.36 1 ug/L 75-25-2 Bromoform 0.5 U 0.47 0.5 1 ug/L 0.5 U 0.45 0.5 98-82-8 Isopropylbenzene 1 ug/L 79-34-5 1,1,2,2-Tetrachloroethane 0.5 U 0.31 0.5 1 ug/L 541-73-1 1,3-Dichlorobenzene 0.5 U 0.43 0.5 1 ug/L U 0.32 106-46-7 1,4-Dichlorobenzene 0.5 0.5 1 ug/L 95-50-1 0.5 U 0.45 0.5 1,2-Dichlorobenzene 1 ug/L 0.5 96-12-8 1,2-Dibromo-3-Chloropropane 0.5 U 0.46 1 ug/L U 0.5 120-82-1 1,2,4-Trichlorobenzene 0.5 0.2 1 ug/L 87-61-6 1,2,3-Trichlorobenzene 0.5 U 0.2 0.5 1 ug/L 123-91-1 1.4-Dioxane 10 U 10 10 20 ug/L **SURROGATES** 1,2-Dichloroethane-d4 49.4 99% SPK: 50 17060-07-0 61 - 141 Dibromofluoromethane 1868-53-7 50 69 - 133100% SPK: 50 2037-26-5 Toluene-d8 50.1 65 - 126 100% SPK: 50 4-Bromofluorobenzene 100% 460-00-4 50 58 - 135 SPK: 50 INTERNAL STANDARDS 7.58 Pentafluorobenzene 1059110 363-72-4 540-36-3 1,4-Difluorobenzene 2140100 8.5 3114-55-4 Chlorobenzene-d5 1968650 11.31 3855-82-1 1,4-Dichlorobenzene-d4 914665 13.24



Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: EFF-46HZ

Lab Sample ID: D3130-03 Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25 Date Collected:

06/19/12

Date Received: 06/20/12

SDG No.: D3130

Matrix:

Final Vol:

100

% Moisture:

5000

WATER

uL

Test:

VOC-TCLVOA-10

Level:

LOW

File ID/Qc Batch:

VR006153.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

06/25/12

VR062512

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD

LOQ / CRQL

Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits



Client: Arcadis Inc. Date Collected: 06/19/12

Project: DEC Gladding Cordage Date Received: 06/20/12

Client Sample ID: TRIPBLANK SDG No.: D3130

Lab Sample ID: D3130-04 Matrix: WATER

Lab Sample ID: D3130-04 Matrix: WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID VR006136.D 1 06/22/12 VR062212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.5	U	0.2	0.5	1	ug/L
74-87-3	Chloromethane	0.5	U	0.2	0.5	1	ug/L
75-01-4	Vinyl Chloride	0.5	U	0.34	0.5	1	ug/L
74-83-9	Bromomethane	0.5	U	0.2	0.5	1	ug/L
75-00-3	Chloroethane	0.5	U	0.2	0.5	1	ug/L
75-69-4	Trichlorofluoromethane	0.5	U	0.35	0.5	1	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	0.45	0.5	1	ug/L
75-35-4	1,1-Dichloroethene	0.5	U	0.47	0.5	1	ug/L
67-64-1	Acetone	2.5	U	0.5	2.5	5	ug/L
75-15-0	Carbon Disulfide	0.5	U	0.2	0.5	1	ug/L
1634-04-4	Methyl tert-butyl Ether	0.5	U	0.35	0.5	1	ug/L
79-20-9	Methyl Acetate	0.5	U	0.2	0.5	1	ug/L
75-09-2	Methylene Chloride	0.5	U	0.41	0.5	1	ug/L
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.41	0.5	1	ug/L
75-34-3	1,1-Dichloroethane	0.5	U	0.36	0.5	1	ug/L
110-82-7	Cyclohexane	0.5	U	0.2	0.5	1	ug/L
78-93-3	2-Butanone	2.5	U	1.3	2.5	5	ug/L
56-23-5	Carbon Tetrachloride	0.5	U	0.2	0.5	1	ug/L
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.35	0.5	1	ug/L
74-97-5	Bromochloromethane	0.5	U	0.2	0.5	1	ug/L
67-66-3	Chloroform	0.5	U	0.34	0.5	1	ug/L
71-55-6	1,1,1-Trichloroethane	0.5	U	0.4	0.5	1	ug/L
108-87-2	Methylcyclohexane	0.5	U	0.2	0.5	1	ug/L
71-43-2	Benzene	0.5	U	0.32	0.5	1	ug/L
107-06-2	1,2-Dichloroethane	0.5	U	0.48	0.5	1	ug/L
79-01-6	Trichloroethene	0.5	U	0.28	0.5	1	ug/L
78-87-5	1,2-Dichloropropane	0.5	U	0.46	0.5	1	ug/L
75-27-4	Bromodichloromethane	0.5	U	0.36	0.5	1	ug/L
108-10-1	4-Methyl-2-Pentanone	2.5	U	2.1	2.5	5	ug/L
108-88-3	Toluene	0.5	U	0.37	0.5	1	ug/L
10061-02-6	t-1,3-Dichloropropene	0.5	U	0.29	0.5	1	ug/L



Client: Arcadis Inc. Date Collected: 06/19/12 Project: DEC Gladding Cordage Date Received: 06/20/12 Client Sample ID: TRIPBLANK SDG No.: D3130 Matrix: Lab Sample ID: D3130-04 WATER

Analytical Method: SW8260C % Moisture: 100

Sample Wt/Vol: 5 Units: mL Final Vol: 5000 uL

Soil Aliquot Vol: uL Test: VOC-TCLVOA-10

GC Column: RXI-624 ID: 0.25 Level: LOW

File ID/Qc Batch: Dilution: Prep Date Date Analyzed Prep Batch ID
VR006136.D 1 06/22/12 VR062212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	0.5	U	0.31	0.5	1	ug/L
79-00-5	1,1,2-Trichloroethane	0.5	U	0.38	0.5	1	ug/L
591-78-6	2-Hexanone	2.5	U	1.9	2.5	5	ug/L
124-48-1	Dibromochloromethane	0.5	U	0.2	0.5	1	ug/L
106-93-4	1,2-Dibromoethane	0.5	U	0.41	0.5	1	ug/L
127-18-4	Tetrachloroethene	0.5	U	0.27	0.5	1	ug/L
108-90-7	Chlorobenzene	0.5	U	0.49	0.5	1	ug/L
100-41-4	Ethyl Benzene	0.5	U	0.2	0.5	1	ug/L
179601-23-1	m/p-Xylenes	1	U	0.95	1	2	ug/L
95-47-6	o-Xylene	0.5	U	0.43	0.5	1	ug/L
100-42-5	Styrene	0.5	U	0.36	0.5	1	ug/L
75-25-2	Bromoform	0.5	U	0.47	0.5	1	ug/L
98-82-8	Isopropylbenzene	0.5	U	0.45	0.5	1	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	0.31	0.5	1	ug/L
541-73-1	1,3-Dichlorobenzene	0.5	U	0.43	0.5	1	ug/L
106-46-7	1,4-Dichlorobenzene	0.5	U	0.32	0.5	1	ug/L
95-50-1	1,2-Dichlorobenzene	0.5	U	0.45	0.5	1	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	0.46	0.5	1	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.5	U	0.2	0.5	1	ug/L
123-91-1	1,4-Dioxane	10	U	10	10	20	ug/L
SURROGATES	3						
17060-07-0	1,2-Dichloroethane-d4	49.9		61 - 14	1	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		69 - 133	3	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		65 - 126	6	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		58 - 135	5	100%	SPK: 50
INTERNAL ST							
363-72-4	Pentafluorobenzene	1090420	7.57				
540-36-3	1,4-Difluorobenzene	2156860	8.5				
3114-55-4	Chlorobenzene-d5	1967840	11.3				
3855-82-1	1,4-Dichlorobenzene-d4	924096	13.24				



Client: Arcadis Inc.

Project: DEC Gladding Cordage

Client Sample ID: TRIPBLANK

Lab Sample ID: D3130-04

Analytical Method: SW8260C

Sample Wt/Vol: 5 Units: mL

Soil Aliquot Vol:

GC Column: RXI-624 ID: 0.25

Date Collected:

06/19/12

Date Received:

06/20/12

SDG No.: D3130

Matrix:

WATER

100

Final Vol:

% Moisture:

5000

VOC-TCLVOA-10

Level:

Test:

LOW

File ID/Qc Batch:

VR006136.D

Dilution:

Prep Date

uL

Date Analyzed

Prep Batch ID

06/22/12

VR062212

CAS Number

Parameter

Conc.

Qualifier

MDL

LOD I

LOQ / CRQL

Units

uL

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits