

New York State Department of Environmental Conservation

# GLADDING CORDAGE SITE QUARTERLY REPORT

SITE 7-09-009

Fourth Quarter 2016

March 2017

#### GLADDING CORDAGE SITE QUARTERLY REPORT - FOURTH QUARTER 2016

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Fourth Quarter 2016

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#### GLADDING CORDAGE SITE QUARTERLY REPORT – FOURTH QUARTER 2016

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#### **ACRONYMS AND ABBREVIATIONS**

Amsl above mean sea level

BTEX Benzene, toluene, ethylbenzene, and xylene.

Ft feet

GAP generally accepted procedure

HZ hertz

μg/L micrograms per liter

NYSDEC New York State Department of Environmental Conservation

O&M operation and maintenance

PDB passive diffusion bag

PLC programmable logic controller

PCE Tetrachloroethene

USEPA United States Environmental Protection Agency

VFD variable frequency drive

VOC volatile organic compound

1,1-DCA 1,2-dichloroethane

1,1-DCE 1,2-dichloroethene

1,1,1-TCA 1,1,1-trichloroethane

#### 1 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D007618-9) to ARCADIS CE, Inc. (Arcadis) for Operation, Maintenance, and Monitoring at the Gladding Cordage Site (Site # 7-09-009). This Quarterly Report has been prepared in accordance with the NYSDEC-approved Work Plan to summarize fourth quarter 2016 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, the NYSDEC provided a training session to Arcadis personnel on the operation and maintenance (O&M) of the groundwater treatment plant at the Gladding Cordage Site. Since then, Arcadis 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 Upgrades

#### 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 for reduced energy usage. Following the installation of the VFD, effluent samples were collected at various blower motor frequencies (speeds) to evaluate the minimum blower frequency required for the treatment plant to effectively treat groundwater extracted from the source area. Additional sampling was conducted again in February 2008 to further optimize the treatment system blower speed. Based on the results, the VFD setting was reduced to 42 hertz (HZ) beginning in March 2008. However, based on the detection of low-level VOCs in effluent samples from the treatment system, the VFD setting was subsequently increased to 46 HZ in September 2010 and was maintained at that frequency until November 19, 2014.

Based on a general trend of lower concentrations of VOCs in influent treatment system samples since September 2010, the NYSDEC authorized a reduction of the VFD frequency to 44 HZ in an attempt to further optimize treatment plant operations and reduce electric usage. The VFD frequency was lowered to 44 HZ on November 19, 2014. Following approximately one-half hour of operation, post-treatment effluent samples were collected in accordance with the Work Plan (see Section 3.2.1). Based on a review of post-treatment effluent sample data from November 19, 2014, 1,1,1 TCA and toluene were detected with the air stripper blower operating at 44 HZ, but at concentrations below the corresponding NYSDEC Class GA Standards. The NYSDEC was notified of the VOC detections and the blower motor frequency was subsequently increased to 46 HZ and has been maintained at that level since the December 18, 2014 O&M event.

#### 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 system inputs and outputs on a daily basis. If input and/or output device values exceed the defined operating parameters, an

alarm condition is set and the corresponding alarm information is sent via facsimile to the system user (i.e. Arcadis).

#### 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 system 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.

#### 3.2 Treatment Plant Operation

As shown on PLC facsimile reports (Appendix A) and O&M Checklist and Operation Logs (Appendix B), the Gladding Cordage groundwater treatment system shut down on October 5<sup>th</sup>, 2016 due to a power interruption (AC Fail). The system was restarted remotely on October 7<sup>th</sup>, 2016. In November 2016, the treatment plant shut down on three occasions due to power interruptions on November 1<sup>st</sup>, November 15<sup>th</sup>, and November 29<sup>th</sup>. The treatment system was restarted remotely on November 6<sup>th</sup>, 2016 following the November 1<sup>st</sup> power outage; restarted remotely on November 17<sup>th</sup> following the November 15<sup>th</sup> power outage; and restarted manually on December 4<sup>th</sup> following the November 29<sup>th</sup> power outage. The system could not be restarted remotely following the November 29<sup>th</sup> power outage due to a lack of communication with the PLC. After this power outage, the PLC was rebooted and the system was restarted from the site.

The average monthly flow rates and total flow volumes for the fourth quarter 2016 operating period are summarized in Table 3-1. As shown in Table 3-1, the monthly flow rates from recovery wells RW-1 and RW-2 averaged approximately 25.6 gpm and 23.8 gpm, respectively. Based on the total flow values, approximately 5.4 million gallons of water were treated and discharged to the Otselic River between October and December 2016.

#### 3.3 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 Contest Analytical following chain-of-custody protocols. Each sample was analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 624. Analytical Reporting Forms are provided in Appendix C.

#### 3.3.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize 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.

Table 3-2 and Figure 3-1 show that the concentrations of 1,1,1-TCA in samples from recovery well RW-1 ranged between 39  $\mu$ g/L in October and 42  $\mu$ g/L in November. Table 3-3 and Figure 3-1 show that the concentrations of 1,1,1-TCA in the samples from recovery well RW-2 were similar to the previous month, (35  $\mu$ g/L in November and 32  $\mu$ g/L in December). As shown in Tables 3-2 and 3-3, these results are

within the range of historic concentrations and exceed the corresponding NYSDEC Class GA Standard of  $5 \mu g/L$ .

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 fourth quarter 2016 samples from recovery wells RW-1 and RW-2. As shown in Table 3-2, 1,1,2-trichloroethane was detected in recovery well RW-1 at a level that is lower than the NYSDEC Class GA Standard of 1  $\mu$ g/L. As shown in Table 3-3, chloromethane (methyl chloride), a common laboratory contaminant, was also detected in the fourth quarter 2016 samples from recovery well RW-2. However, consistent with previous results, the detected concentrations were less than the applicable NYSDEC Class GA Standard of 5  $\mu$ g/L.

#### 3.3.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. As shown in Table 3-4, concentrations of both 1,1,1- TCA and chloromethane were detected in the fourth quarter 2016 effluent samples. However, the concentrations were less than the applicable NYSDEC Class GA Standard of  $5 \mu g/L$ .

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.8 pounds of VOCs were removed by the treatment system during the fourth quarter 2016. The total VOC mass removed in 2016 was approximately 6.4 pounds.

#### **4 GROUNDWATER MONITORING PROGRAM**

Groundwater samples were collected from the site during the third quarter 2016 in accordance with the Work Plan. The results of the sampling event were submitted in the third quarter 2016 Gladding Cordage Site Quarterly Report (Arcadis, 2017). The next groundwater sampling event is scheduled to take place during the fourth quarter 2017.

#### **5 RECOMMENDATIONS**

If low-level detections of 1,1,1-TCA persist in post-treatment effluent samples during the first quarter 2017, it is recommended that the air stripper be disassembled and cleaned.

#### **6 SUMMARY**

The Gladding Cordage groundwater treatment system had several interruptions during the fourth quarter 2016 due to power outages. With the exception of the one event, the system was restarted remotely following each power interruption. The average total flow through the treatment system was approximately 49 GPM.

The concentrations of VOCs detected in pre-treatment influent samples from recovery wells RW-1 and RW-2 were consistent with previous results.

The treatment successfully removes VOCs from groundwater extracted from the capture zone at the current VFD setting of 46 Hz. However, low-level detections of 1,1,1-TCA in the December effluent samples may indicate that the air stripper needs to be cleaned. The VFD setting will continue to be evaluated based on system monitoring results. Approximately 1.8 pounds of VOCs were removed by the treatment system during the fourth quarter 2016. The total VOC mass removed in 2016 was approximately 6.4 pounds.

Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the fourth quarter 2017.

#### **7 REFERENCES**

Arcadis, 2017, Gladding Cordage Site Quarterly Report, Third Quarter 2016, Arcadis CE, Inc., November February, 2017.

Malcolm Pirnie, 2007, Gladding Cordage Site Work Plan, Site 7-09-009, Malcolm Pirnie, Inc., June, 2007.

TAMS, 1996, Operation and Maintenance Manual, Volume I, Gladding Cordage Site. Site 7-09-009, TAMS Consultants, Inc., March 1996.

### **TABLES**

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 Rates		Totalizer	Totalizer	Recovery We	Recovery Well Total Flows		Quarterly	
	Operation	On-time	RW-1	RW-2	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)	(gallons)	(gallons)	
January-16	29	94%	100%	100%	20.7	22.1	39,095,592	35,850,122	875,567	912,846	1,788,413		
February-16	29	100%	100%	100%	21.9	22.2	39,988,542	36,759,764	892,950	909,642	1,802,592	5,501,623	
March-16	31	100%	100%	100%	20.6	21.4	40,931,049	37,727,875	942,507	968,111	1,910,618		
April-16	29	97%	100%	100%	21.1	21.2	41,816,850	38,633,091	885,801	905,216	1,791,017		
May-16	29	94%	100%	100%	21.9	21.1	42,727,616	39,534,066	910,766	900,975	1,811,741	5,088,795	
June-16	23	77%	100%	100%	24.9	21.6	43,515,441	40,232,278	787,825	698,212	1,486,037		
July-16	26	84%	100%	100%	25.1	22.6	44,489,448	41,120,013	974,007	887,735	1,861,742		
August-16	25	81%	100%	100%	25.8	23.2	45,398,795	41,958,714	909,347	838,701	1,748,048	5,592,798	
September-16	28	93%	100%	100%	25.6	23.7	46,429,587	42,910,930	1,030,792	952,216	1,983,008		
October-16	28	90%	100%	100%	25.2	23.8	47,490,153	43,894,225	1,060,566	983,295	2,043,861		
November-16	19	63%	100%	100%	25.8	23.6	48,297,839	44,642,649	807,686	748,424	1,556,110	5,348,351	
December-16	26	84%	100%	100%	25.7	24.0	49,198,978	45,489,890	901,139 *	847,241 *	1,748,380		

Total Flow 2016 10,978,953 10,552,614 21,531,567

#### Notes:

<sup>\* -</sup> Estimated flow rate based on operational time gpm - Gallons per minute

TABLE 3-2
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									
Sampling Date	Class GA	1/25/2016	2/26/2016	3/18/2016	4/22/2016	5/23/2016	6/24/2016	7/25/2016	8/18/2016	9/16/2016	10/31/2016	11/28/2016	12/4/2016
Matrix	Standard	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	J	- J	J	- J		J		J			J	J
1,1,1-Trichloroethane	5	38	36	36	31	34	32	35	34	36	39	42	41
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U									
1,1,2-Trichloroethane	1	2.0 U	2.0 U	0.25 J									
1,1-Dichloroethane	5	1.8 J	1.5 J	1.4 J	1.2 J	1.3 J	1.1 J	1.5 J	1.6 J	1.6 J	1.7 J	2.1	2 J
1,1-Dichloroethene	5	0.84 J	0.79 J	0.86 J	0.84 J	0.77 J	0.69 J	0.68 J	0.89 J	0.75 J	0.91 J	1.0 J	1.2 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U									
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U									
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
2-Chloroethyl Vinyl Ether		10.0 U	10 U	10 U	10.0 U	10 U	10 U	10 U	10 U	10 U	10.0 U	10 U	10 U
Benzene	1	1.0 U	1.0 U	1.0 U									
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U									
Bromoform	50	2.0 U	2.0 U	2.0 U									
Bromomethane	5	2.0 U	2.0 U	2.0 U									
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U									
Chlorobenzene	5	2.0 U	2.0 U	2.0 U									
Chloroethane	5	2.0 U	2.0 U	2.0 U									
Chloroform	7	2.0 U	2.0 U	2.0 U									
Chloromethane (Methyl Chloride)	5	2.0 U	0.77 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U					
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U									
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U									
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U									
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U									
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U									
Methylene Chloride	5	5.0 U	5.0 U	5.0 U									
o-Xylene		2.0 U	2.0 U	2.0 U									
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U									
Toluene	5	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U									
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U				
Trichloroethene	5	2.0 U	2.0 U	2.0 U									
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U									
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U									
Total VOCs		40.6	38.3	38.3	33.0	36.1	33.8	38.0	36.5	38.4	41.6	45.1	44.5

Concentration exceeds corresponding NYSD Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

G:\PROJECT\00266406.0000\Reports\4th Qtr 2016\Table 3-1, 3-2, 3-3, 3-43-2 RW-1

TABLE 3-3
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									
Sampling Date	Class GA	1/25/2016	2/26/2016	3/18/2016	4/22/2016	5/23/2016	6/24/2016	7/25/2016	8/18/2016	9/16/2016	10/31/2016	11/28/2016	12/4/2016
Matrix	Standard	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	32	29	29	25	28	33	28	29	35	33	35	32
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U									
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U									
1,1-Dichloroethane	5	0.86 J	0.62 J	0.62 J	0.53 J	0.56 J	0.58 J	0.66 J	0.70 J	0.77 J	0.78 J	0.89 J	0.82 J
1,1-Dichloroethene	5	0.64 J	0.56 J	0.66 J	0.60 J	0.62 J	0.58 J	0.48 J	0.72 J	0.82 J	0.78 J	0.87 J	0.86 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U									
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U									
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
2-Chloroethyl Vinyl Ether		10 U	10 U	10 U									
Benzene	1	1.0 U	1.0 U	1.0 U									
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U									
Bromoform	50	2.0 U	2.0 U	2.0 U									
Bromomethane	5	2.0 U	2.0 U	2.0 U									
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U									
Chlorobenzene	5	2.0 U	2.0 U	2.0 U									
Chloroethane	5	2.0 U	2.0 U	2.0 U									
Chloroform	7	2.0 U	2.0 U	2.0 U									
Chloromethane (Methyl Chloride)	5	2.0 U	0.59 J	2.0 U	2.0 U	2.0 U	2.4	0.57 J					
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U									
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U									
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U									
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U									
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U									
Methylene Chloride	5	5.0 U	5.0 U	5.0 U									
o-Xylene		2.0 U	2.0 U	2.0 U									
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U									
Toluene	5	1.0 U	1.0 U	1.0 U									
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U									
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U				
Trichloroethene	5	2.0 U	2.0 U	2.0 U									
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U									
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U									
Total VOCs		33.5	30.2	30.3	26.1	29.2	34.2	29.7	30.4	36.6	34.6	39.2	34.3

 Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

G:\PROJECT\00266406.0000\Reports\4th Qtr 2016\Table 3-1, 3-2, 3-3, 3-43-3 RW-2

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

Sample ID	NYSDEC	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)									
Sampling Date	GA	1/25/2016	2/26/2016	3/18/2016	4/22/2016	5/23/2016	6/24/2016	7/25/2016	8/18/2016	9/16/2016	10/31/2016	11/28/2016	12/4/2016
Matrix	Standard	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		- J		<b>J</b>		<b>J</b>		- J	- J			<b>J</b>	
1,1,1-Trichloroethane	5	1.0 U	1.0 U	0.15 J									
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U									
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U									
1,1-Dichloroethane	5	2.0 U	2.0 U	2.0 U									
1,1-Dichloroethene	5	2.0 U	2.0 U	2.0 U									
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U									
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U									
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U									
2-Chloroethyl Vinyl Ether		10 U	10 U	10 U									
Benzene	1	1.0 U	1.0 U	1.0 U									
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U									
Bromoform	50	2.0 U	2.0 U	2.0 U									
Bromomethane	5	2.0 U	2.0 U	2.0 U									
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U									
Chlorobenzene	5	2.0 U	2.0 U	2.0 U									
Chloroethane	5	2.0 U	2.0 U	2.0 U									
Chloroform	7	2.0 U	2.0 U	2.0 U									
Chloromethane (Methyl Chloride)	5	2.0 U	1.0 J	2.0 U	2.0 U	2.0 U	2.3	0.73 J					
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U									
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U									
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U									
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U									
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U									
Methylene Chloride	5	5.0 U	5.0 U	5.0 U									
o-Xylene		2.0 U	2.0 U	2.0 U									
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U									
Toluene	5	1.0 U	1.0 U	1.0 U									
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U									
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U				
Trichloroethene	5	2.0 U	2.0 U	2.0 U									
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U									
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U									
Total VOCS	1												

Notes

U - Not detected at the indicated concentration.

J - Estimated concentration.

G:\PROJECT\00266406.0000\Reports\4th Qtr 2016\Table 3-1, 3-2, 3-3, 3-43-4 Effluent VOCS

### **FIGURES**

### Figure 2-1 Site Location



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

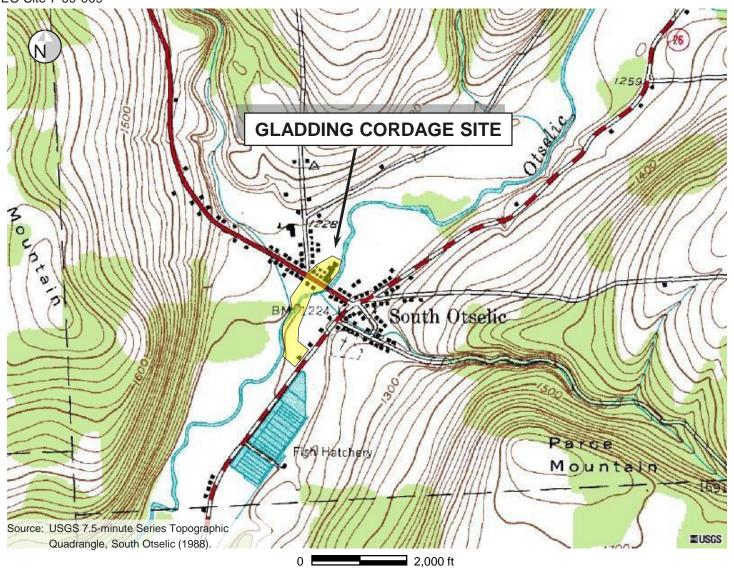
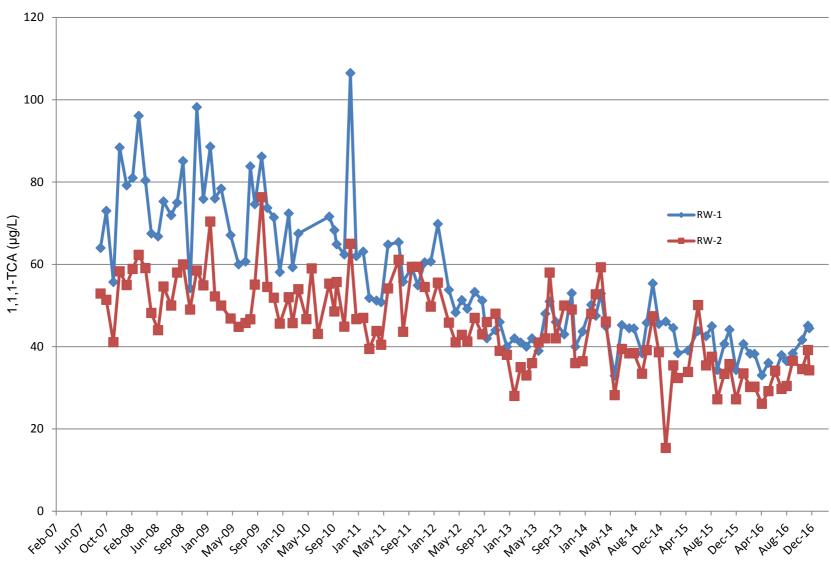


Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)



Gladding Cordage Site NYSDEC Site Number 7-09-009



### **APPENDIX A**

**PLC Facsimile Reports** 

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/01/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 24.9 W2\_FLO is 23.1 **GPM** 46466033 TOTAL FLOW is GAL 23.1 GPM TOTAL FLOW is 42944584 GAL ASBPRS is H: 30.0 10.5 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 467289 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.84 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.78 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.07  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is -55.07  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.6 PSI LIMITS are PSI PSI INTEMP is 61.8 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 10/02/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 W2\_FLO is 25.3 **GPM** 46502440 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 42978279 GAL  $AS\overline{B}PRS$  is H: 30.0 10.5 LIMITS are 5.0 IWC IWC  $\mathbf{L}$ : IWC TOTAL FLOW is 467368 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.91 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.84AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.07  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.17  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.4 PSI LIMITS are PSI PSI INTEMP is 62.9DEG 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 10/03/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.4 W2\_FLO is 23.3 **GPM** 46538827 TOTAL FLOW is GAL 23.3 GPM TOTAL FLOW is 43011970 GAL ASBPRS is H: 30.0 10.4 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 467434 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.82 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.95  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 55.17  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.2 PSI LIMITS are PSI PSI INTEMP is 63.5DEG 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 10/04/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

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 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 W2\_FLO is 25.4 **GPM** 46575189 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 43045646 GAL ASBPRS is H: 30.0 10.5 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is 467505 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 4.79 W1\_AMP is AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.22  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 55.15  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.2 PSI LIMITS are PSI PSI INTEMP is 62.3DEG 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 10/05/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

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 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 25.1 W2\_FLO is 23.2 **GPM** 46611531 TOTAL FLOW is GAL GPM TOTAL FLOW is 43079310 GAL ASBPRS is H: 30.0 10.6 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is 467574 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.36  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2\_LVL is 55.20 9.00  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.1 PSI LIMITS are PSI PSI INTEMP is 60.7DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



## ALARM Fax Report ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 09:34:31 ON 10/05/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

P19 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD

FAX REPORT INITIATED BY PROCESS 18

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP is OFF ASP\_LO is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is ON E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is ON W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is ON SMPALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 46616928 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 43084310 GAL LIMITS are H: 30.0 IWC ASBPRS is 0.0 IWC L: 5.0 IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 467586 GAL H: 20.0 PRS is 0.0 PSI LIMITS are  $\mathbf{L}$ : -2.0 PSI PSI AMP is 0.00 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.00 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00  $W1_LVL$  is 0.00 $\mathbf{FT}$  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is M5\_TAT 0.00  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0 PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 0.0 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT



# ALARM Fax Report <u>ProControl Series II+</u>

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 09:41:00 ON 10/05/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

ystem Status:

LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 BY ASBVFD SHUTD PO2 :

FAX REPORT INITIATED BY PROCESS 19

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP is OFF ASP\_LO is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is ON E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is ON W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is ON SMPALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 46616928 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 43084310 GAL IWC LIMITS are H: 30.0 IWC ASBPRS is 0.0 L: 5.0 IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 467586 GAL H: 20.0 PRS is 0.0 PSI LIMITS are  $\mathbf{L}$ : -2.0 PSI PSI AMP is 0.00 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.00 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00  $W1_LVL$  is 0.00 $\mathbf{FT}$  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is W2\_LVL 0.00  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0 PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 0.0 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/06/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is ON AIR HH is OFF SMPALM is OFF W2\_ALM is ON ASBALM is OFF AIR LL is OFF VFDRST is OFF HPMPGO is OFF VFDRUN is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 46616928 TOTAL FLOW is GAL GPM TOTAL FLOW is 43084310 GAL ASBPRS is H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$ : IWC TOTAL FLOW is 467586 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.07 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.22  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.59  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI INTEMP is 60.4DEG 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 10/07/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is ON AIR HH is OFF SMPALM is OFF W2\_ALM is ON ASBALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 46616928 TOTAL FLOW is GAL GPM TOTAL FLOW is 43084310 GAL ASBPRS is H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$ : IWC TOTAL FLOW is 467586 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.15  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.55  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI INTEMP is 60.4DEG 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 10/08/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.6 **GPM** 46646064 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 43111352 GAL ASBPRS is H: 30.0 10.4 LIMITS are 5.0 IWC IWC  $\mathbf{L}$ : IWC 0.00 TOTAL FLOW is 467639 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.80 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.89  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 55.07  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.7 PSI LIMITS are PSI PSI INTEMP is 62.9DEG 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 10/09/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.6 W2\_FLO is 24.0 **GPM** 46682776 TOTAL FLOW is GAL GPM TOTAL FLOW is 43145459 GAL ASBPRS is 10.6 H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is 467716 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 4.79 W1\_AMP is AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.94  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 55.09 9.00 W2 LVL is  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 61.0DEG 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 10/15/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 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 25.2 W2\_FLO is 23.8 **GPM** 46902362 TOTAL FLOW is GAL GPM TOTAL FLOW is 43349393 GAL ASBPRS is H: 30.0 10.9 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 468362 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 4.90 W1\_AMP is AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.83AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.05  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.01  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.8 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 55.5DEG 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 10/16/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 W2\_FLO is 25.5 **GPM** 46938972 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 43383400 GAL ASBPRS is H: 30.0 10.5 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC TOTAL FLOW is 468458 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 4.98 W1\_AMP is AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : 4.90 AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.81  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 54.94  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$  $W1_PRS$  is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.7 PSI LIMITS are PSI PSI INTEMP is 62.0DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

JEREMY WYCKOFF

rom:

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/17/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL AUTO

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 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 VFDRUN is OFF ASBALM is OFF VFDRST is OFF AIR LL is OFF SMPALM is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 25.5 46975560 GPM TOTAL FLOW is GAL W2 FLO is 23.6 TOTAL FLOW is GPM 43417383 GAL ASBPRS is 10.3 H: 30.0 IWC LIMITS are L: 5.0IWC IWC HP FLO is 0.00 GPM TOTAL FLOW is 468524 GAL HP PRS is 1.4LIMITS are -2.0 H: 20.0 PSI PSI PSI HP\_AMP is 0.05 AMP LIMITS are  $\mathbf{L}$ : 0.00 AMP H: AMP 10.00 AMP is 4.84 AMP LIMITS are 0.00 AMP H: AMP L:W2\_AMP H: 10.00 LIMITS 0.00 is AMPAMP AMPareL:W1 LVL is 30.66  $\mathbf{FT}$ LIMITS are 8.00  $\mathbf{FT}$ H: 28.00  $\mathbf{FT}$  $\mathbf{L}$ : W2 LVL is 54.96  $\mathbf{FT}$ LIMITS are9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ L: 0.5H: 100.0 PSI  $W1_PRS$  is 4.6PSI LIMITS are PSI H: 100.0 H: 130.0 W2\_PRS is 4.7 INTEMP is 63.6 PSI LIMITS are L: 0.5 PSI PSI DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

0.0 PCT MAN ASBSPD

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/18/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 W2\_FLO is 25.7 **GPM** 47012111 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 43451345 GAL ASBPRS is H: 30.0 10.3 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC 2.37 TOTAL FLOW is 468594 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 5.47 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 4.75 W1\_AMP is AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.68 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.54  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 55.03  $\mathbf{FT}$ LIMITS аге  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 61.9DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/19/2016 SER NO 9605 : SETUP VER 1 : BOM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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:

ASB GO is ON SMP GO is OFF W1 GO is ON W2 GO is ON W1 ALM is OFF AIR HH is OFF ASMPHH 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 25.3 W2\_FLO is 23.3 **GPM** TOTAL FLOW is 47048623 GAL **GPM** TOTAL FLOW is 43485275 GAL ASBPRS is 10.3 H: 30.0 IWC LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 HP FLO is 0.00 **GPM** TOTAL FLOW is 468639 GAL HP PRS is 1.4 PSI LIMITS are PSI H: 20.0 PSI L: 0.00 HP AMP is 0.04 AMPLIMITS are AMPH: AMPH: 10.00 W1\_AMP is 4.81 AMP LIMITS are L: 0.00 AMP AMP W2\_AMP is W1\_LVL is H: 10.00 H: 28.00 LIMITS 0.00 AMP areL:AMP AMP 30.67  $\mathbf{FT}$ LIMITS 8.00 are $\mathbf{FT}$  $\mathbf{FT}$ W2LVL is 55.09  $\mathbf{FT}$ 9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$ PSI L: 0.5PSI H: 100.0 PSI W1 PRS is 4.6LIMITS areH: 100.0 L: 0.5W2 PRS is 4.4 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 63.8DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/20/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 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 25.3 W2\_FLO is 22.9 47085187 **GPM** TOTAL FLOW is GAL **GPM** TOTAL FLOW is 43519235 GAL ASBPRS is 10.5 H: 30.0 IWC IWC LIMITS are L: 5.0IWC HP FLO is 0.00 **GPM** TOTAL FLOW is 468727 GAL HP PRS is 1.4 PSI LIMITS are PSI H: 20.0 PSI HP\_AMP is 0.05 AMP LIMITS are L: 0.00 AMPн: AMPH: 10.00 W1\_AMP is 4.84 AMP LIMITS are  $\mathbf{L}$ : 0.00 AMP AMP W2\_AMP is W1\_LVL is H: 10.00 H: 28.00 4.78 AMPLIMITS 0.00 AMP AMP areL:30.88  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ areL:W2LVL is 55.11 $\mathbf{FT}$ LIMITS are9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$  $\mathbf{L}:$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI are H: 100.0 W2\_PRS is 4.6 PSI LIMITS are L: 0.5PSI PSI INTEMP is 61.6DEG 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 10/20/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF SMPALM is OFF W2\_ALM is OFF ASBALM is OFF AIR LL is OFF VEDRUN IS OFF VEDRST is OFF HPMPGO is ON

Analog Inputs:

W1\_FLO is 25.3 W2\_FLO is 22.9 **GPM** 47085187 TOTAL FLOW is GAL GPM TOTAL FLOW is 43519235 GAL L: 5.0 ASBPRS is 10.5 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 468727 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.84 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.78AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.88  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.11  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.6 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 61.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/20/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.3 W2\_FLO is 22.9 **GPM** 47085187 TOTAL FLOW is GAL GPM TOTAL FLOW is 43519235 GAL L: 5.0 ASBPRS is 10.5 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 468727 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.84 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.78AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 30.88  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.11  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.6 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 61.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/21/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.6 W2\_FLO is 23.9 **GPM** 47121798 TOTAL FLOW is GAL 23.9 GPM TOTAL FLOW is 43553203 GAL L: 5.0 ASBPRS is 10.2 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 468805 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.05 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.78 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.94  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 56.50 9.00 W2 LVL is  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.3 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 63.7DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/22/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.8 **GPM** 47158732 TOTAL FLOW is GAL 23.8 GPM TOTAL FLOW is 43587415 GAL L: 5.0 ASBPRS is H: 30.0 10.5 LIMITS are IWC IWC IWC TOTAL FLOW is 468912 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.05 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.76AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 57.29  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 59.9DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/23/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.3 W2\_FLO is 23.6 **GPM** 47195709 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 43621643 GAL L: 5.0 ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC IWC TOTAL FLOW is 469045 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.81 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.39  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 57.96  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ 4.6 W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.7 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 57.2DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/24/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.4 W2\_FLO is 23.8 **GPM** 47232724 TOTAL FLOW is GAL 23.8 GPM TOTAL FLOW is 43655904 GAL L: 5.0 ASBPRS is H: 30.0 10.5 LIMITS are IWC IWC IWC TOTAL FLOW is 469155 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.81  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 57.16  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.7 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 58.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/25/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 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 25.5 W2\_FLO is 23.3 **GPM** 47269586 TOTAL FLOW is GAL 23.3 GPM TOTAL FLOW is 43690023 GAL L: 5.0 ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 469291 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 1.13 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.60 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.70  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.78  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.8 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 58.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/27/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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 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 24.9 GPM TOTAL FLOW is 47343127 GAL W2 FLO is 23.4 TOTAL FLOW is 43758093 GPM GAL ASBPRS is 10.9 H: 30.0 IWC LIMITS are L: 5.0IWC IWC HP FLO is 0.00 СРМ TOTAL FLOW is 469568 CVT-2.0 H: 20.0 HP PRS is 1.3 PSI LIMITS are PSI PSI HP\_AMP is 0.04AMP LIMITS are 0.00 AMP H: AMP  $\mathbf{L}:$ W1\_AMP W2\_AMP 10.00 4.62 AMPLIMITS 0.00 AMP **H**: AMP is are L:H: 10.00 0.00 AMPLIMITS AMP is 4.56 areAMPH: 28.00 W1 LVL is 32.50  $\mathbf{FT}$ LIMITS are8.00  $\mathbf{FT}$  $\mathbf{FT}$ T.: W2 LVL is 56.31  $\mathbf{FT}$ LIMITS 9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ are L: 0.5 H: 100.0 LIMITS 4.6 PSI PSI PSI W1\_PRS is areH: 100.0 H: 130.0 W2\_PRS is 4.8 PSI LIMITS are L: 0.5 PSI PSI INTEMP is 56.3DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/28/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFALL

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 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 25.8 GPM TOTAL FLOW is 47379885 GAL W2FLO is 23.5 TOTAL FLOW is 43792109 GAL GPM ASBPRS is 10.7 LIMITS are H: 30.0 IWC L: 5.0IWC IWC 0.00 TOTAL FLOW is  $\mathtt{HP}_{\mathtt{FLO}}$  is GPM 469726 GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.04 LIMITS are L: 0.00AMP AMP н: AMPH: 10.00 W1\_AMP is 4.65AMP LIMITS areL:0.00 AMP AMP  $\Lambda$  MD iε 4.60ΛMD LIMITS are0.00 ΛMD  $\mathbf{H}$ : 10.00  $\Lambda$ MD L:W1\_LVL is H: 28.00 32.87  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ areL: $\mathbf{FT}$ 9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W2 LVL is 56.82 LIMITS are  $\mathbf{L}:$ L: 0.5 W1 PRS is 4.7 PSI LIMITS are PSI H: 100.0 PSI H: 100.0 PSI W2\_PRS is 4.9 PSI LIMITS are L: 0.5 PSI INTEMP is 56.4DEG L: 42.0 DEG H: 130.0 LIMITS are DEG

Analog Outputs:

### ProControl Series II | Fax Report

EOS Research Ltd.

TTT JERENY WYCKOFF

#### From

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/31/2016 : ROM 2.1996 : MODEL A2 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1

#### System Status

#### Discrete Inputs:

W1 CTR is ON	W2 CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	$AS\overline{P}_{\perp}HH$ is OFF	$\mathtt{ASP\_LO}$ is OFF	FLRSMP is OFF
ACFAIL is OFF	$\mathbf{E}_{\mathbf{S}}\mathbf{\overline{T}OP}$ is OFF	_	

2000000000		
W2_GO is ON	ASB_GO is ON	$SMP\_GO$ is $OFF$
ASMPHH is OFF	$\overline{\mathtt{ASMPLL}}$ is OFF	$W1\_\overline{A}LM$ is OFF
ASBALM is OFF	SMPALM is OFF	$AIR_LL$ is OFF
VFDRST is OFF	HPMPGO is ON	_
	ASMPHH is OFF ASBALM is OFF	ASMPHH is OFF ASMPLL is OFF ASBALM is OFF SMPALM is OFF

#### Analog Inputs:

KSBPRS	1s	l.32	180	LIMITS	are	Ιь:	7 ii Yuun Lu	<b>3</b> WL	н:	30.0	TMC
$HP\_FLO$	is	0.00	GPM	TOTAL E	LOW	is	470149	GAL			
HP_PRS	is	1.3	PSI	LIMITS	are	${f L}$ :	-2.0	PSI	н:	20.0	PSI
HP_AMP	is	0.04	AMP	LIMITS	are	${f L}$ :	0.00	AMP	<b>H</b> :		AMP
W1_AMP	is	4.62	AMP	LIMITS	are	${f L}$ :	0.00	AMP	н:	10.00	AMP
W2_AMP			AMP	LIMITS	are	${f L}$ :	0.00	AMP		10.00	AMP
W1_T <sub>1</sub> YT <sub>1</sub>			FΤ	TITMTTS				FΤ	•••	<b>የ</b> በ	FΤ
W2_PRS			PSI	LIMITS	are	${f L}$ :	0.5	PSI		100.0	PSI
INTEMP	is	57.4	$\mathbf{DEG}$	LIMITS	are	${f L}$ :	42.0	$\mathbf{DEG}$	H:	130.0	$\mathbf{DEG}$

#### Analog Outputs:

ASBSPD 0.0 PCT

# ProControl Series II+ EOS Research Lid. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/01/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO

LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL

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:

is ON W2 GO ASB GO is ON SMP GO is OFF W1 GO is ON ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 W2\_FLO is TOTAL FLOW is TOTAL FLOW is **GPM** 47526881 GAL 23.8 43928249 GPM GAL ASBPRS is 10.9 L: 5.0 IWC LIMITS are IWC H: 30.0 IWC HP\_FLO is 0.00 TOTAL FLOW is 470406 **GPM** GAL H: 20.0 LIMITS are PSI HP PRS is 1.5 PSI L: -2.0PSI HP\_AMP is 0.04 L: 0.00 AMP LIMITS are AMP H: AMP H: 10.00 H: 10.00 W1\_AMP W2\_AMP is 4.62AMP LIMITS аге  $\mathbf{L}$  : 0.00 AMP AMP 0.00 is 4.56AMPLIMITS areAMP AMPW1 LVL is H: 28.00 32.69  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ :  $\mathbf{FT}$ 9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W2 LVL 1s 56.40 LIMITS are $\mathbf{L}$ : L: 0.5 H: 100.0  $W1_PRS$  is 4.7 PSI LIMITS are PSI PSI H: 100.0 H: 130.0 W2\_PRS is 4.9 LIMITS are L: 0.5 PSI PSI PST INTEMP is 50.5DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:



# EOS Research Ltd. ProControl Series II+

To

JEREMY WYCKOFF

SER NO 9605 : SETUP VER 1

: ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 09:44:32 ON 10/05/2016 BY ACFAIL SHUTD

FAX REPORT INITIATED BY PROCESS 29

WZ CTR 18 UFF WI CTR IS OFF is OFF ASP HH is OFF HP\_OP ACFAIL is OFF

ASBVED IS UFF SMPUTR IS UFF ASP LO is OFF FLRSMP is OFF

E STOP is OFF

Discrete Outputs:

MS-GOm 15 OFF AMR GO IS OFF W1 GOm is OFF VFDRST is OFF VFDRUN is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 47537650 GAL W2 FLO is 0.0 43938228 **GPM** TOTAL FLOW is GAL 3በ በ H: 10.00 W1 AMP is 0.01 AMP LIMITS are L: 0.00 AMP AMP W2 AMP is 0.00 AMP AMP H: 10.00 AMP LIMITS are L: 0.00 H: 28.00 W1LVL is 34.38  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$  $\mathbf{FT}$  $W2^{-}LVL$  is 57.37  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ LIMITS are L: 9.00  $\mathbf{FT}$ W1 PRS is 0.0 H: 100.0 PSI LIMITS are  $\mathbf{L}: \ \mathbf{0.5}$ PSI PSI TNI ΠN TNN T TIITMO TNN

Analog Outputs:



# ALARM Fax Report

EOS Research Ltd.

<u>ProControl Series II+</u>

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 13:02:58 ON 11/01/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

Sword Inputs.

$W1\_CTR$ is OFF	$W2\_CTR$ is OFF	ASBVFD is OFF	SMPCTR is OFF
HP_OP is OFF	$AS\overline{P}_{-}HH$ is OFF	ASP_LO is OFF	FLRSMP is OFF
$\mathtt{ACFAIL}$ is OFF	E S $\overline{ ext{TOP}}$ is OFF	_	
WI_GO IS OFF	WZ_GO IS OFF	WPB_GO IS ON	5MP_GO IS OFF
$AI\overline{R}_{-}HH$ is OFF	ASMPHH is OFF	$ASM\overline{P}LL$ is OFF	$W1\_\overline{A}LM$ is OFF
W2 $\overline{\mathbf{A}}$ LM is OFF	ASBALM is ON	SMPALM is OFF	$\overline{AIR}$ LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	_

Anglor Trimus: J

MYTTEIOTIB T	· <del>0 :</del>	GPH	TOTAT E	LUM	TP	43230220	GWT			
ASBPRS is	0.5	IWC	LIMITS	are	${f L}$ :	5.0	IWC	<b>H</b> :	30.0	IWC
$ ext{HP}$ $ ext{FLO}$ is	0.00	GPM	TOTAL E	LOW	is	470475	GAL			
HP_PRS is	0.8	PSI	LIMITS	are	$\mathbf L$ :	-2.0	PSI	<b>H</b> :	20.0	PSI
HP_AMP is	0.06	AMP	LIMITS	are	${f L}$ :	0.00	AMP	H:		AMP
$W1\_AMP$ is		AMP	LIMITS	are	$\mathbf L$ :	0.00	AMP	<b>H</b> :	10.00	AMP
WC OME in	Ω.ΩΩ	AMP	LIMITO	are	Tri	$\Omega$ , $\Omega\Omega$	ስሆደ	Ηi	10100	ame
		אַטיז	TITITITI	ԱՄՄ	Пί	ftiffu	אַטיז	П!	TATAA	דתת
W2 PRS is	0.0	PSI	LIMITS	are	${f L}$ :	0.5	PSI	H:	100.0	PSI
$\mathtt{IN}\overline{\mathtt{T}}\mathtt{EMP}$ is	58.4	DEG	LIMITS	are	$\mathbf{L}$ :	42.0	DEG	<b>H</b> :	130.0	DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/02/2016

MANUAL : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVED

#### Discrete Inputs:

W1_CTR	is				OFF		ASBVFD					OFF
IID OD	• 	ΠΠ	nn	IIII .	ΠΠΠ		<b>1</b> 00 TO	. ИПП		NT NI	nim '	ΠΠΠ
Discre	ota	e Outputs.	*****									
$W1\_GO$	is	OFF	W2_	GO is	OFF		ASB_GO				_GO is	
AIR HH	is	OFF	ASM	PHH is	$\mathbf{OFF}$		${\tt ASMPLL}$	is OFF			ALM is	
$W2 \overline{A}LM$	is	OFF	ASB	ALM is	ON		SMPALM	is OFF		AIR	${ m LL}$ is	$\mathbf{OFF}$
VEDRUN	is	OFF	VFD:	RST is	OFF		HPMPGO	is OFF		-	_	
W1_FLO	is	0.0	GPM	TOTAL	FLOW	is	47537650	GAL				
W2 FLO	is	0.0	GPM	TOTAL	FLOW	is	43938228	GAL				
ASBPRS	is	0.2	IWC	LIMITS	s are	$\mathbf L$ :	5.0	IWC	H:	30.0	IWC	
HP FLO	is	0.00	GPM	TOTAL		is	470475	GAL				
HP PRS	is	0.8	PSI	LIMITS	s are	$\mathbf L$ :	-2.0	PSI	H:	20.0	PSI	
HP_AMP	is	0.07	AMP	LIMITS	are	$\mathbf L$ :	0.00	AMP	H:		AMP	
ווו ה <sup>—</sup> רוו	in	በ በበ	mın	T THEM	חחר	Τı	በ በበ	min	Пι	10 00	min	
W2_LVL	is	57.67	$\mathbf{FT}$	LIMITS	3 are	${f L}$ :	9.00	${f FT}$	<b>H</b> :	52.00	${f FT}$	
W1 PRS	is	0.0	PSI	LIMITS	s are	${f L}$ :	0.5	PSI	<b>H</b> :	100.0	PSI	
W2 PRS	is	0.0	PSI	LIMITS	are	$\mathbf L$ :	0.5	PSI	H:	100.0	PSI	
$IN\overline{I}EMP$	is	53.8	DEG	LIMITS	s are	$\mathbf L$ :	42.0	$\mathbf{DEG}$	<b>H</b> :	130.0	$\mathbf{DEG}$	

Analog Outputs:

## ProControl Series III-Fax Report

EOS Research Ltd.

To:

JEREMY WYCKOFF

rom:

SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/02/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD MANUAL

Discrete Inputs:

W1 CTR is OFF W2 CTR is OFF ASBVFD is OFF SMPCTR is OFF ASP HH 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 OFF W2 GO ASB\_GO is OFF SMP\_GO is OFF is OFF W1\_ALM is OFF AIR\_HH is OFF ASMPHH is OFF ASMPLL is OFF W2 ALM is OFF ASBALM is ON SMPALM is OFF AIR LL is OFF VEDRUN IS OFF VEDRST is OFF HPMPGO is OFF

Analog Inputs:

W1 FLO 1s 0.0 GPM TOTAL FLOW is 47537650 GAL W2 FLO is 0.0 GPM TOTAL FLOW is 43938228 GAL H: 30.0 ASBPRS is 0.2 IWC LIMITS are IWC IWC HP\_FLO is 0.00 470475 GPM TOTAL FLOW is GAL H: 20.0 HP\_PRS is 0.8 PSI LIMITS are T. : -2.0PSI PSI AMP is 0.07AMP LIMITS are 0.00 AMP AMP L:H: W1\_AMD is H: 10.00 0.00 0.00 LIMITS  $\Lambda$ MD  $\Lambda$ MD  $\Lambda$ MD  $\operatorname{are}$ L:W2 AMP is 0.00 AMP LIMITS 0.00 AMP H: 10.00 AMP are $\mathbf{L}$ : W1 LVL is 34.38  $\mathbf{FT}$ LIMITS are 8.00  $\mathbf{FT}$ H: 28.00  $\mathbf{FT}$ 9.00  $\mathbf{FT}$ II: 52.00 W2\_LVL is  $\mathbf{FT}$ LIMITS are  $\mathbf{FT}$ 57.67 H: 100.0 H: 100.0 H: 130.0 W1\_PRS is 0.0 PSI LIMITS 0.5PSI PSI are $\mathbf{L}$ :  $W2\_PRS$  is 0.0 PSI LIMITS 0.5 PSI PSI are $\mathbf{L}$  : INTEMP 1s 53.8 DEC LIMITS are L: 42.0 DEC DEC

Analog Outputs:



## TPROCOPPINAL SCHICTOR Fax Report

EOS Research Ltd.





SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/03/2016 : ROM 2.1996 : MODEL A2 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1

#### System Status

#### Discrete Inputs:

W1_CTR is OFF HP_OP is OFF ACFAIL is OFF	ASP_HH is (	DFF ASP_LO	is OFF is OFF	SMPCTR is OFF FLRSMP is OFF
AIR_HH is OFF W2_ALM is OFF VFDRUN is OFF	ASMPHH is ( ASBALM is (	ON SMPALM	is OFF	W1_ALM is OFF AIR_LL is OFF

#### Analog Inputs:

ASBERS	$_{\mathbf{1s}}^{\mathbf{I}}$	8.2	IWC	LIMITS are	I <sub>L:</sub>	inforce.	160	н:	3U.U	TWC
HP FLO	is	0.00	GPM	TOTAL FLOW	is	470475	GAL			
HP_PRS	is	0.9	PSI	LIMITS are	$\mathbf{L}$ :	-2.0	PSI	H:	20.0	PSI
HP_AMP	is	0.07	AMP	LIMITS are	$\mathbf{L}$ :	0.00	AMP	<b>H</b> :		AMP
W1_AMP	is	0.01	AMP	LIMITS are	$\mathbf{L}$ :	0.00	AMP	<b>H</b> :	10.00	AMP
W2_AMP	is	0.00	AMP	LIMITS are	$\mathbf{L}$ :	0.00	AMP	<b>H</b> :	10.00	AMP
	ĺĎ	<u> </u>	FT.	TITMITO arb	Ţļi	$[] \cup [] []$	ET.	∄i	የበፈዘያ	[T]
INTEMP	is	57.3	DEG	LIMITS are	ī:	42.0	DEG	H:	130.0	DEG

#### Analog Outputs:

0.0 PCT ASBSPD MAN

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/04/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF HPMPGO is OFF VFDRST is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 47537650 TOTAL FLOW is GAL GPM TOTAL FLOW is 43938228 GAL L: 5.0 ASBPRS is H: 30.0 LIMITS are IWC IWC IWC TOTAL FLOW is 470475 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.07 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 35.15  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 58.43  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 54.3DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/05/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF HPMPGO is OFF VFDRST is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 47537650 TOTAL FLOW is GAL GPM TOTAL FLOW is 43938228 GAL L: 5.0 ASBPRS is H: 30.0 LIMITS are IWC IWC IWC TOTAL FLOW is 470475 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.9 PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 1.11 AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 34.95  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 58.15  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 51.8DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/06/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF HPMPGO is OFF VFDRST is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 47537650 TOTAL FLOW is GAL GPM TOTAL FLOW is 43938228 GAL L: 5.0 ASBPRS is H: 30.0 LIMITS are IWC IWC IWC TOTAL FLOW is 470475 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.9 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 1.12LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 34.84  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 57.98  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 53.8DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/07/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 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 25.8 W2\_FLO is 23.6 **GPM** 47554584 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 43953776 GAL  $AS\overline{B}PRS$  is 11.0 L: 5.0 H: 30.0 LIMITS are IWC IWC IWC TOTAL FLOW is 470481 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 1.4 PSI LIMITS are -2.0 PSI PSI HP AMP is 0.06 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.69AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.62AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.02  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.53  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 50.4DEG 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 11/08/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.6 W2\_FLO is 23.5 **GPM** 47591594 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 43987759 GAL 10.9 L: 5.0 ASBPRS is H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 470644 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.67AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.61 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.70  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.36  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 51.1DEG 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 11/09/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.7 W2\_FLO is 23.6 **GPM** 47628491 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 44021699 GAL ASBPRS is 10.5 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC TOTAL FLOW is 470814 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.61 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.25  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : W2 LVL is 9.00 56.23  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.5PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 4.8 PSI LIMITS are PSI PSI INTEMP is 56.9DEG 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 11/10/2016

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

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.8 W2\_FLO is 23.9 **GPM** 47665411 TOTAL FLOW is GAL GPM TOTAL FLOW is 44055611 GAL  $AS\overline{B}PRS$  is 10.8 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC 0.00 TOTAL FLOW is 471038 HP FLO is GPM GAL H: 20.0 HP PRS is 1.4 PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.60 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.37  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.23  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 51.3DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/11/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.0 W2\_FLO is 24.0 **GPM** 47702256 TOTAL FLOW is GAL GPM TOTAL FLOW is 44089504 GAL ASBPRS is 10.3 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC 0.00 TOTAL FLOW is 471250 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.69AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.63AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 31.84  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.00  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 55.0DEG 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 11/12/2016

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL Ã2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.7 **GPM** 47739045 TOTAL FLOW is GAL GPM TOTAL FLOW is 44123393 GAL ASBPRS is 10.8 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC 0.00 TOTAL FLOW is 471473 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.67AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.59AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.48  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.08  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 51.8DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/13/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.2 W2\_FLO is 23.5 **GPM** 47775829 TOTAL FLOW is GAL 23.5 GPM TOTAL FLOW is 44157280 GAL L: 5.0 ASBPRS is 10.9 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 471733 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.27  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.04  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 50.0DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/14/2016

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL Ã2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.9 W2\_FLO is 23.2 **GPM** 47812591 TOTAL FLOW is GAL GPM TOTAL FLOW is 44191174 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 471989 HP FLO is 2.16 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.07 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.69AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.64AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.16  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.98  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 48.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/15/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.4 W2\_FLO is 23.0 **GPM** 47849282 TOTAL FLOW is GAL 23.0 GPM TOTAL FLOW is 44225024 GAL ASBPRS is 10.7 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC 5.0 0.00 TOTAL FLOW is 472217 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.64 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.59AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.08  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00  $\mathbf{FT}$ W2 LVL is - 55 . 87  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.6PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 52.7DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:



# ALARM Fax Report EOS Research Lid ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 21:48:11 ON 11/15/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

P19 : LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD

FAX REPORT INITIATED BY PROCESS 18

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP is OFF ASP\_LO is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is ON E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is ON W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is ON SMPALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 47873402 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 44247273 GAL LIMITS are L: 5.0 H: 30.0 IWC ASBPRS is 0.0 IWC IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 472330 GAL H: 20.0 PRS is 0.0 PSI LIMITS are L:-2.0 PSI PSI AMP is 0.00 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.00 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00  $W1_LVL$  is 0.00 $\mathbf{FT}$  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is M5\_TAT 0.00  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0 PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 0.0 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

0.0 PCT ASBSPD



# ALARM Fax Report <u>ProControl Series II+</u>

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 21:54:00 ON 11/15/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

ystem Status:

LAST SHUTDOWN @ 13:12:58 ON 11/01/2016 BY ASBVFD SHUTD PO2 :

FAX REPORT INITIATED BY PROCESS 19

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP is OFF ASP\_LO is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is ON W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is ON SMPALM is OFF ASBALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 47873402 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 44247273 GAL LIMITS are L: 5.0 H: 30.0 IWC ASBPRS is 0.2 IWC IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 472330 GAL PRS is H: 20.0 0.9PSI LIMITS are L:-2.0 PSI PSI AMP is 0.06 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.01 AMP LIMITS are 0.00 AMP H: 10.00 AMP  $W2^{-}AMP$  is 0.00AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00  $\mathbf{FT}$ W1 LVL is 33.89  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is M5\_TAT 57.20  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 55.2 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/16/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is ON AIR HH is OFF SMPALM is OFF W2\_ALM is ON ASBALM is OFF AIR LL is OFF VFDRST is OFF HPMPGO is OFF VFDRUN is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 47873402 TOTAL FLOW is GAL GPM TOTAL FLOW is 44247273 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 472330 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.9 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.07 LIMITS are AMPL: 0.00AMP н: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 33.74  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 57.27  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 53.2DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/17/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is ON AIR HH is OFF SMPALM is OFF W2\_ALM is ON ASBALM is OFF AIR LL is OFF HPMPGO is OFF VFDRUN is OFF VFDRST is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 47873402 TOTAL FLOW is GAL GPM TOTAL FLOW is 44247273 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 472330 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.07 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.88  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 57.24  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 53.5DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/18/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 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 25.3 W2\_FLO is 24.0 **GPM** 47895249 TOTAL FLOW is GAL GPM TOTAL FLOW is 44267595 GAL ASBPRS is 10.8 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC 0.00 TOTAL FLOW is 472489 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMPL: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.66 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.61 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.11  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 55.85  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 51.2DEG 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 11/19/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.7 W2\_FLO is 23.8 **GPM** 47932083 TOTAL FLOW is GAL 23.8 GPM TOTAL FLOW is 44301895 GAL L: 5.0 ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 472707 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.69AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.64AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 31.89  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : W2 LVL is 9.00 55.77  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 52.7DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/20/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 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 25.6 W2\_FLO is 24.3 **GPM** 47968883 TOTAL FLOW is GAL 24.3 GPM TOTAL FLOW is 44336179 GAL ASBPRS is 10.7 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC 0.00 TOTAL FLOW is 472911 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMPL: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.69AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.65 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 31.51  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 55.79 W2 LVL is 9.00  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 52.3DEG 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 11/21/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.7 **GPM** 48005710 TOTAL FLOW is GAL GPM TOTAL FLOW is 44370466 GAL ASBPRS is 10.7 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC 2.32 TOTAL FLOW is 473232 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 7.99 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.65AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.60AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 31.58  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.87  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 48.3DEG 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 11/22/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 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 25.6 W2\_FLO is 24.0 **GPM** 48042513 TOTAL FLOW is GAL GPM TOTAL FLOW is 44404753 GAL ASBPRS is H: 30.0 10.8 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC 0.00 TOTAL FLOW is 473561 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 4.71LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.63AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.91  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 49.5DEG 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 11/23/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.9 **GPM** 48079329 TOTAL FLOW is GAL GPM TOTAL FLOW is 44439050 GAL  $AS\overline{B}PRS$  is 11.0 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC TOTAL FLOW is 473885 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.65AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.61 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.36  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 55.93 9.00 W2 LVL is  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 50.5DEG 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 11/24/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 is ON W2 GO is ON ASB GO is ON SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.7 W2\_FLO is 23.6 **GPM** 48116120 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 44473362 GAL ASBPRS is H: 30.0 10.8 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC HP FLO is 2.34 GPM TOTAL FLOW is 474188 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is LIMITS are 7.31 AMPL: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.66 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.28  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 55.85  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 51.2DEG 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 11/25/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 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 25.1 W2\_FLO is 23.8 **GPM** 48152895 TOTAL FLOW is GAL 23.8 GPM TOTAL FLOW is 44507662 GAL ASBPRS is H: 30.0 10.8 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC TOTAL FLOW is 474470 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 1.3PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.71 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.30  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : W2 LVL is 9.00 55.87  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 4.9 L: 0.5 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 52.4DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/26/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.5 W2\_FLO is 23.8 **GPM** 48189674 TOTAL FLOW is GAL GPM TOTAL FLOW is 44541931 GAL ASBPRS is 10.8 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC TOTAL FLOW is HP FLO is 0.00 GPM 474726 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.77 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : W2 LVL is 9.00 56.06  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 53.0DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/27/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 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 25.7 W2\_FLO is 23.9 **GPM** 48226516 TOTAL FLOW is GAL GPM TOTAL FLOW is 44576223 GAL ASBPRS is 10.8 H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 475000 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.74AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.68 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.61  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : W2 LVL is 9.00 56.27  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 52.5DEG 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 11/28/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.1 W2\_FLO is 23.9 **GPM** 48263423 TOTAL FLOW is GAL 23.9 GPM TOTAL FLOW is 44610524 GAL ASBPRS is 10.8 H: 30.0 LIMITS are  $\mathbf{L}$  : 5.0 IWC IWC IWC TOTAL FLOW is 475278 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.71 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.65AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.80  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.42  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.7 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 52.9DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



## ALARM Fax Report ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 04:31:05 ON 11/29/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL P12 : FAX REPORT INITIATED BY PROCESS 11

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP ASP\_LO is OFF is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is OFF W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is OFF ASBALM is ON SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 48297839 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 44642649 GAL LIMITS are L: 5.0 H: 30.0 IWC ASBPRS is 0.7IWC IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 475300 GAL PRS is H: 20.0 0.5 PSI LIMITS are L:-2.0 PSI PSI 0.07 AMP is 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.01 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00  $\mathbf{FT}$ W1 LVL is 34.51  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is M5\_TAT 57.69  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 68.3 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT



## ALARM Fax Report <u>ProControl Series II+</u>

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 04:38:00 ON 11/29/2016 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

ystem Status:

LAST SHUTDOWN @ 21:58:11 ON 11/15/2016 BY ACFAIL SHUTD PO2 :

FAX REPORT INITIATED BY PROCESS 12

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF SMPCTR is OFF HP\_OP is OFF ASP\_LO is OFF ASP\_HH is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

SMP\_GO is OFF W1\_ALM is OFF W1 GO is OFF W2 GO is OFF ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR\_LL is OFF W2 ALM is OFF ASBALM is ON SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 48297839 GAL W2 FLO is 0.0**GPM** TOTAL FLOW is 44642649 GAL LIMITS are L: 5.0 H: 30.0 IWC ASBPRS is 0.2 IWC IWC  $ext{HP}$   $ext{FLO}$  is 0.00 **GPM** TOTAL FLOW is 475300 GAL PRS is H: 20.0 0.5 PSI LIMITS are L:-2.0 PSI PSI AMP is 0.06 0.00 AMP LIMITS AMPH: AMPare $\mathbf{L}$  : W1 AMP is 0.01 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 0.00 AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00 34.75  $\mathbf{FT}$ W1 LVL is  $\mathbf{FT}$ LIMITS are L: 8.00  $\mathbf{FT}$ is 57.84 M5\_TAT  $\mathbf{FT}$ LIMITS areL:9.00  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ PRS is 0.2 PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.0PSI LIMITS are $\mathbf{L}$ : 0.5 PSI PSI INTEMP is 67.2 DEG LIMITS are  $\mathbf{L}$ : 42.0 DEG H: 130.0 DEG

Analog Outputs:

0.0 PCT ASBSPD

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/29/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 34.69  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 57.86  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ 0.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 67.2DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/30/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 58.74  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0  $\overline{\text{INTEMP}}$  is 71.1DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/01/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 35.75  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 59.44  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI INTEMP is 71.4DEG 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 12/02/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ 36.04 are $\mathbf{L}$ : 9.00 W2 LVL is 59.44  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 67.9DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/03/2016

SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL Ã2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMPL: 0.00AMP н: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 35.73  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 58.89  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 66.2DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/04/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

Discrete Inputs:

W1\_CTR is OFF W2\_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB GO is OFF SMP GO is OFF ASMPHH is OFF ASMPLL is OFF W1\_ALM is OFF AIR HH is OFF ASBALM is ON SMPALM is OFF W2\_ALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1\_FLO is 0.0 W2\_FLO is 0.0 **GPM** 48297839 TOTAL FLOW is GAL GPM TOTAL FLOW is 44642649 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 475300 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 0.8 PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 0.01 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 0.00 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 35.67  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 58.60  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 0.0PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 0.0 PSI LIMITS are PSI PSI H: 130.0 INTEMP is 65.7DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/05/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.4 W2\_FLO is 24.1 **GPM** 48325268 TOTAL FLOW is GAL GPM TOTAL FLOW is 44668452 GAL ASBPRS is 10.8 H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is 475300 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.83 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 33.02  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.91  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.1 PSI LIMITS are PSI PSI INTEMP is 67.3DEG 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 12/06/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.9 W2\_FLO is 24.1 **GPM** 48362049 TOTAL FLOW is GAL 24.1 GPM TOTAL FLOW is 44703042 GAL  $AS\overline{B}PRS$  is  $10.\overline{9}$ H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC 0.00 TOTAL FLOW is 475300 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.05 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 33.11  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.84  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 67.6DEG 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 12/07/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.1 W2\_FLO is 24.0 **GPM** 48398753 TOTAL FLOW is GAL GPM TOTAL FLOW is 44737572 GAL ASBPRS is H: 30.0 10.7 LIMITS are  $\mathbf{L}$  : IWC IWC IWC 0.00 TOTAL FLOW is 475300 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.68 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.80  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.67  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 5.0 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 68.4DEG 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 12/08/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.6 W2\_FLO is 24.2 **GPM** 48435449 TOTAL FLOW is GAL GPM TOTAL FLOW is 44772114 GAL ASBPRS is 10.8 H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is 475300 HP FLO is GPM GAL H: 20.0 HP PRS is 1.3PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.73AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.84  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.72  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 67.6DEG 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 12/09/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.7 W2\_FLO is 24.2 **GPM** 48472139 TOTAL FLOW is GAL GPM TOTAL FLOW is 44806585 GAL ASBPRS is 10.9 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC 0.00 TOTAL FLOW is 475301 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.65AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.88  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.63  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.1 PSI LIMITS are PSI PSI INTEMP is 64.7DEG 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 12/10/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.5 W2\_FLO is 23.5 **GPM** 48508836 TOTAL FLOW is GAL GPM TOTAL FLOW is 44841054 GAL ASBPRS is 11.2 H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 475301 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.64AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is 33.06 H: 28.00  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are  $\mathbf{L}$ : 9.00 W2 LVL is 56.61  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 62.1DEG 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 12/11/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.6 W2\_FLO is 23.7 **GPM** 48545545 TOTAL FLOW is GAL 23.7 GPM TOTAL FLOW is 44875536 GAL ASBPRS is 11.3 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC TOTAL FLOW is HP FLO is 0.00 GPM 475327 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.71 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 33.15  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.55  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.1 PSI LIMITS are PSI PSI INTEMP is 58.4DEG 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 12/12/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 ASMPHH is OFF ASMPLL is OFF W1\_ALM 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 25.8 W2\_FLO is 23.9 **GPM** 48582265 TOTAL FLOW is GAL 23.9 GPM TOTAL FLOW is 44909989 GAL ASBPRS is H: 30.0 10.8 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC 0.00 TOTAL FLOW is HP FLO is GPM 475327 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.05 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.72AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.68 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.39  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.21  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.1 PSI LIMITS are PSI PSI INTEMP is 65.8DEG 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 12/13/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.5 W2\_FLO is 23.4 **GPM** 48618904 TOTAL FLOW is GAL 23.4 GPM TOTAL FLOW is 44944381 GAL  $AS\overline{B}PRS$  is 11.1 5.0 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC TOTAL FLOW is 475327 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.70AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.75 $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.44  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.1 PSI LIMITS are PSI PSI INTEMP is 62.9DEG 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 12/14/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.7 W2\_FLO is 24.0 **GPM** 48655431 TOTAL FLOW is GAL GPM TOTAL FLOW is 44978757 GAL ASBPRS is 10.9 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC IWC 0.00 TOTAL FLOW is HP FLO is GPM 475327 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP\_AMP is 0.05 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : AMPis 4.66 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1\_LVL is H: 28.00 32.59 $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : 9.00 W2 LVL is 56.27  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.8 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2\_PRS is 5.0 PSI LIMITS are PSI PSI INTEMP is 65.5DEG 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 12/15/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.5 W2\_FLO is 23.8 **GPM** 48691951 TOTAL FLOW is GAL GPM TOTAL FLOW is 45013144 GAL  $AS\overline{B}PRS$  is 11.1 H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is 475354 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.66 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.30  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 56.29 9.00  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 5.2 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 58.6DEG 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 12/16/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.3 W2\_FLO is 24.1 **GPM** 48728537 TOTAL FLOW is GAL 24.1 GPM TOTAL FLOW is 45047541 GAL  $AS\overline{B}PRS$  is 11.5 H: 30.0 LIMITS are  $\mathbf{L}$  : IWC IWC 5.0 IWC TOTAL FLOW is 475451 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.64 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.61 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.66  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.40  $\mathbf{FT}$ LIMITS are $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 5.2 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 54.0DEG 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 12/17/2016 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.3 W2\_FLO is 23.5 **GPM** 48765096 TOTAL FLOW is GAL GPM TOTAL FLOW is 45081959 GAL  $AS\overline{B}PRS$  is 11.1 H: 30.0 LIMITS are 5.0 IWC IWC  $\mathbf{L}$  : IWC TOTAL FLOW is HP FLO is 0.00 GPM 475524 GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1\_AMP is 4.64 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.62AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 32.60  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.25  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 5.2 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 60.5DEG 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 01/10/2017 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35: LAST SHUTDOWN @ 04:41:07 ON 11/29/2016 BY ASBVFD

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 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 25.6 W2\_FLO is 23.3 **GPM** 49641925 TOTAL FLOW is GAL 23.3 GPM TOTAL FLOW is 45908059 GAL  $AS\overline{B}PRS$  is 11.3 H: 30.0 LIMITS are IWC IWC  $\mathbf{L}$  : 5.0 IWC TOTAL FLOW is 476342 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1\_AMP is 4.68 AMP LIMITS are0.00 AMP AMP  $\mathbf{L}$ : W2\_AMP is W1\_LVL is 4.63AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:H: 28.00 33.39  $\mathbf{FT}$ LIMITS 8.00  $\mathbf{FT}$  $\mathbf{FT}$ are $\mathbf{L}$ : W2 LVL is 9.00 56.67  $\mathbf{FT}$ LIMITS are  $\mathbf{L}:$  $\mathbf{FT}$ H: 52.00  $\mathbf{FT}$ W1 PRS is 4.9PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2\_PRS is 5.2 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 55.3DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

## **APPENDIX B**

**O&M Checklists** 

Gladding Cordage South Otselic, New York NYSDEC Site #709009

Date_	10/31/2016
Inspector	L. Whalen
Time	7:30

Treatment System Operation		Alarms	
System On (Y/N) Yes		A/C Fail (Y/N) No	
RW-1 On (Y/N) Yes	_	RW-1 (Y/N) No	
RW-2 On (Y/N) Yes	_	RW-2 (Y/N) No	
Blower On (Y/N) Yes		Blower Pressure (Y/N) No	
Sump Pump On (Y/N) No		Sump Level (Y/N) No	
	<u>—</u>		
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	25.2	23.8	
Total Flow (Gallons)	47490153	43894225	
Water Level (Feet Above Probe)	32.67	56.48	
Probe Depth (Feet BTOC)	40.00	65.00	
A. 042			
Air Stripper Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	10.7	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	53
initident Fighting OK: (1714)		Water remperature (1)	
Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	70
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.3
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	Yes	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes
Notes:			
Sampled: RW-1 70	)5		
RW-2 71	0		
EFF 46 HZ 71	5		
System Chec 745			
Trimmed gra 800			
(last time for the season)			
Turned ceiling heater on Low			

Gladding Cordage South Otselic, New York NYSDEC Site #709009

Date_	11/28/2016
Inspector	L. Whalen
Time	6:20

Treatment System Operation		Alarms	
System On (Y/N) Ye		A/C Fail (Y/N) No	=
RW-1 On (Y/N) Ye		RW-1 (Y/N) No	_
RW-2 On (Y/N) Ye		RW-2 (Y/N) No	_
Blower On (Y/N)		Blower Pressure (Y/N) No	_
Sump Pump On (Y/N)	0	Sump Level (Y/N) No	_
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	25.8	23.6	
Total Flow (Gallons)	48297839	44642649	
Water Level (Feet Above Probe)	32.82	56.42	
Probe Depth (Feet BTOC)	40.00	65.00	
Air Stripper			
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	10.7	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	52
Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	67
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.4
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	Snow	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes
		, ,	
Notes:			
Sampled: RW-1	605		
RW-2	610		
EFF 46 HZ	615		
System Check:	620		
(Turned ceiling heater up to Med.)	28 ° out today	<u> </u>	

Gladding Cordage South Otselic, New York NYSDEC Site #709009

Date	12/4/2016	
Inspector	LDW/DSW	
Time	11:25	

System On (Y/N)   Yes				
RW-1 On (Y/N)   Yes   RW-2 (Y/N)   No   RW-2 (Y/N)   RW-2 (Y/N)	Treatment System Operation		Alarms	
RW-2 (On (Y/N)   Yes   Blower Pressure (Y/N)   No   Sump Pump On (Y/N)   No   Sump Level (Y/N)   No   Recovery Wells	System On (Y/N) Ye	es	A/C Fail (Y/N)	<u>lo</u>
Blower On (Y/N) Yes Sump Pump On (Y/N) No Sump Level (Y/N) No No Sump Level (Y/N) No No No Sump Level (Y/N) No	RW-1 On (Y/N)	es	RW-1 (Y/N)	lo
Sump Pump On (Y/N) No Sump Level (Y/N) No No No No No No No Not reported (Pet Above Probe) 25.7 24.0   Probe Depth (Feet BTOC) 40.00 65.00    Air Stripper Blower VFD Setting (Hertz) 46 Intake/Exhaust Piping OK? (Y/N) Yes System Pressure (inches water) 10.8 Water Leaks (Y/N) No Influent/Effluent Piping OK? (Y/N) Yes Water Temperature (°F)    Heat Exchanger Heat (On/Off) On Building Temperature (°F) 74 Heat Exchanger Flow (GPM) 0.0 Heat Exchanger Pressure (PSI) 1.4    General Building/Site Building/Site Building Condition OK? (Y/N) Yes Circuit Breakers Checked (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No No No Notes:  System down on arrival. System restarted at 11:19AM (12-4-16)	RW-2 On (Y/N)	es	RW-2 (Y/N)	lo
Recovery Wells	Blower On (Y/N) Ye	es	Blower Pressure (Y/N)	lo
Flow Rate (GPM) Total Flow (Gallons) Water Level (Feet Above Probe) Probe Depth (Feet BTOC)  Air Stripper Blower VFD Setting (Hertz) System Pressure (inches water) Influent/Effluent Piping OK? (Y/N) Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  General Building/Site Building Condition OK? (Y/N)  Grass Mowed (Y/N) Monon  Notes: System restarted at 11:19AM (12-4-16)	Sump Pump On (Y/N)	0	Sump Level (Y/N)	lo
Flow Rate (GPM) Total Flow (Gallons) Water Level (Feet Above Probe) Probe Depth (Feet BTOC)  Air Stripper Blower VFD Setting (Hertz) System Pressure (inches water) Influent/Effluent Piping OK? (Y/N) Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  General Building/Site Building Condition OK? (Y/N)  Grass Mowed (Y/N) Monon  Notes: System restarted at 11:19AM (12-4-16)				
Total Flow (Gallons) Water Level (Feet Above Probe) Probe Depth (Feet BTOC)  Air Stripper Blower VFD Setting (Hertz) System Pressure (inches water) Interpreted Water Leaks (Y/N) Influent/Effluent Piping OK? (Y/N) Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  On Heat Exchanger Pressure (PSI) Heat Exchanger Pressure (PSI)  General Building/Site Building Condition OK? (Y/N)  Yes Circuit Breakers Checked (Y/N) Yes Monitoring Wells OK? (Y/N) Yes System Restarted at 11:19AM (12-4-16)	Recovery Wells	RW-1	RW-2	
Water Level (Feet Above Probe) Probe Depth (Feet BTOC)  Air Stripper  Blower VFD Setting (Hertz) System Pressure (inches water) Influent/Effluent Piping OK? (Y/N) Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F)  Heat Exchanger Pressure (PSI) Heat Exchanger Pressure (PSI)  General Building/Site Building Condition OK? (Y/N)  Water Leaks (Y/N) No Heat Exchanger Pressure (PSI)  Af Heat Exchanger Pressure (PSI)  Ageneral Building/Site Building Condition OK? (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Samples Collected (Y/N) No  Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	Flow Rate (GPM)	25.7	24.0	
Air Stripper  Blower VFD Setting (Hertz) 46 Intake/Exhaust Piping OK? (Y/N) Yes System Pressure (inches water) 10.8 Water Leaks (Y/N) No Influent/Effluent Piping OK? (Y/N) Yes Water Temperature (°F)  Heat Exchanger Heat (On/Off) On Building Temperature (°F) 74 Heat Exchanger Flow (GPM) 0.0 Heat Exchanger Pressure (PSI) 1.4  General Building/Site Building Condition OK? (Y/N) Yes Circuit Breakers Checked (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	Total Flow (Gallons)	Not reported	Not reported	
Air Stripper Blower VFD Setting (Hertz) 46 Intake/Exhaust Piping OK? (Y/N) Yes System Pressure (inches water) 10.8 Water Leaks (Y/N) No Influent/Effluent Piping OK? (Y/N) Yes Water Temperature (°F)  Heat Exchanger Heat (On/Off) On Building Temperature (°F) 74 Heat Exchanger Flow (GPM) 0.0 Heat Exchanger Pressure (PSI) 1.4  General Building/Site Building Condition OK? (Y/N) Yes Circuit Breakers Checked (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	Water Level (Feet Above Probe)	33.60	57.08	
Blower VFD Setting (Hertz) System Pressure (inches water) Intake/Exhaust Piping OK? (Y/N) Yes Water Leaks (Y/N) No Influent/Effluent Piping OK? (Y/N)  Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM) On Heat Exchanger Pressure (PSI) Heat Exchanger Pressure (PSI)  General Building/Site Building Condition OK? (Y/N) Grass Mowed (Y/N) Monitoring Wells OK? (Y/N)  No  No  No  Notes: System down on arrival.  System restarted at 11:19AM (12-4-16)	Probe Depth (Feet BTOC)	40.00	65.00	
Blower VFD Setting (Hertz) System Pressure (inches water) Intake/Exhaust Piping OK? (Y/N) Yes Water Leaks (Y/N) No Influent/Effluent Piping OK? (Y/N)  Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM) On Heat Exchanger Pressure (PSI) Heat Exchanger Pressure (PSI)  General Building/Site Building Condition OK? (Y/N) Grass Mowed (Y/N) Monitoring Wells OK? (Y/N)  No  No  No  Notes: System down on arrival.  System restarted at 11:19AM (12-4-16)				
System Pressure (inches water) Influent/Effluent Piping OK? (Y/N)  Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F)  74 Heat Exchanger Pressure (PSI)  I.4  General Building/Site Building Condition OK? (Y/N) Yes Circuit Breakers Checked (Y/N) Yes Grass Mowed (Y/N) No Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	Air Stripper			
Influent/Effluent Piping OK? (Y/N)  Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F)  Heat Exchanger Pressure (PSI)  General Building/Site  Building Condition OK? (Y/N) Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/	N) Yes
Heat Exchanger Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F) 74 Heat Exchanger Flow (GPM)  Heat Exchanger Pressure (PSI)  General Building/Site Building Condition OK? (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	System Pressure (inches water)	10.8	Water Leaks (Y/N)	No
Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F) Heat Exchanger Flow (GPM)  Heat Exchanger Pressure (PSI)  General Building/Site  Building Condition OK? (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	
Heat (On/Off) Heat Exchanger Flow (GPM)  On Building Temperature (°F) Heat Exchanger Flow (GPM)  Heat Exchanger Pressure (PSI)  General Building/Site  Building Condition OK? (Y/N) Yes Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)				
Heat Exchanger Flow (GPM)  O.0 Heat Exchanger Pressure (PSI)  1.4  General Building/Site  Building Condition OK? (Y/N)  Grass Mowed (Y/N)  Monitoring Wells OK? (Y/N)  No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Heat Exchanger			
General Building/Site  Building Condition OK? (Y/N) Yes Circuit Breakers Checked (Y/N) Yes  Grass Mowed (Y/N) N/A Outfall Condition OK? (Y/N) Yes  Monitoring Wells OK? (Y/N) Yes Samples Collected (Y/N) No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Heat (On/Off)	On	Building Temperature (°F)	74
Building Condition OK? (Y/N)  Grass Mowed (Y/N)  Monitoring Wells OK? (Y/N)  No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI	) 1.4
Building Condition OK? (Y/N)  Grass Mowed (Y/N)  Monitoring Wells OK? (Y/N)  No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)				
Grass Mowed (Y/N) Monitoring Wells OK? (Y/N)  No  Notes: System down on arrival.  System restarted at 11:19AM (12-4-16)	General Building/Site			
Monitoring Wells OK? (Y/N)  Yes Samples Collected (Y/N)  No  Notes:  System down on arrival.  System restarted at 11:19AM (12-4-16)	Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N	) Yes
Notes: System down on arrival. System restarted at 11:19AM (12-4-16)	Grass Mowed (Y/N)	N/A	Outfall Condition OK? (Y/N)	Yes
System down on arrival. System restarted at 11:19AM (12-4-16)	Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	No
System down on arrival. System restarted at 11:19AM (12-4-16)				
System restarted at 11:19AM (12-4-16)				
	System down on arrival.			
System check: 11:30	System restarted at 11:19AM (12-4	-16)		
System check: 11:30				
	System check:	11:30		

Gladding Cordage South Otselic, New York NYSDEC Site #709009

Date	12/29/2016
Inspector	L. Whalen
Time	7:30

Treatment System Operation		Alarms	
System On (Y/N) Yes		A/C Fail (Y/N) No	_
RW-1 On (Y/N) Yes		RW-1 (Y/N) No	•
RW-2 On (Y/N) Yes		RW-2 (Y/N) No	•
Blower On (Y/N) Yes		Blower Pressure (Y/N) No	•
Sump Pump On (Y/N) No		Sump Level (Y/N) No	•
			•
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	25.5	23.7	
Total Flow (Gallons)	NR	NR	
Water Level (Feet Above Probe)	33.02	56.65	
Probe Depth (Feet BTOC)	40.00	65.00	
Air Stripper			
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	10.8	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	54.2
initiative indentitiping art. (1714)	100	vvator romporaturo (1)	01.2
Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	67
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.4
Tiout Exchanger Flow (OF W)	0.0	ricat Exchanger ricodare (rich)	
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	N/A	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes
Worldoning Wells Ore: (1714)	103	Camples Collected (1714)	103
Notes:			
Sampled: RW-1 6:05			
RW-2 6:10			_
EFF 46 HZ 6:15			
211 10112 0.10			
Shut down and and restart system to res	et PLC		_
2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- · · · <del>- ·</del>		

# APPENDIX C Analytical Reporting Forms



November 11, 2016

Jeremy Wyckoff Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210 Clifton Park, NY 12065

Project Location: S. Otselic, N.Y.

Client Job Number:

Project Number: 00266406.0000

Laboratory Work Order Number: 16K0007

Enclosed are results of analyses for samples received by the laboratory on November 1, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit Project Manager

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Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210

ATTN: Jeremy Wyckoff

Clifton Park, NY 12065 P

REPORT DATE: 11/11/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16K0007

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: S. Otselic, N.Y.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16K0007-01	Ground Water		EPA 624	
RW-2	16K0007-02	Ground Water		EPA 624	
EFF 46 HZ	16K0007-03	Ground Water		EPA 624	
Trip Blank	16K0007-04	Trip Blank Water		EPA 624	



#### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager



Project Location: S. Otselic, N.Y. Sample Description: Work Order: 16K0007

Date Received: 11/1/2016 Field Sample #: RW-1

Sampled: 10/31/2016 07:05

Sample ID: 16K0007-01 Sample Matrix: Ground Water

### Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Chlorodibromomethane	ND	2.0	0.10	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Chloromethane	ND	2.0	0.55	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,1-Dichloroethane	1.7	2.0	0.16	μg/L	1	J	EPA 624	11/4/16	11/5/16 3:52	EEH
1,1-Dichloroethylene	0.91	2.0	0.21	μg/L	1	J	EPA 624	11/4/16	11/5/16 3:52	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Toluene	ND	1.0	0.17	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,1,1-Trichloroethane	39	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:52	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Trichloroethylene	ND	2.0	0.20	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
m+p Xylene	ND	2.0	0.26	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
o-Xylene	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:52	EEH
Surrogates		% Reco	very	Recovery Limit	s	Flag/Qual				
1,2-Dichloroethane-d4		105		70-130		<u> </u>			11/5/16 3:52	
Taluana de		102		70.120					11/5/16 2.52	



Project Location: S. Otselic, N.Y. Sample Description: Work Order: 16K0007

Date Received: 11/1/2016 Field Sample #: RW-2

Sampled: 10/31/2016 07:10

Sample ID: 16K0007-02 Sample Matrix: Ground Water

### Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1	Flag/Quai	EPA 624	11/4/16	11/5/16 4:19	EEH
Bromodichloromethane	ND	2.0	0.30	μg/L μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Bromoform	ND	2.0	0.21	μg/L μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Chlorodibromomethane	ND	2.0	0.10	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Chloromethane	ND	2.0	0.55	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,1-Dichloroethane	0.78	2.0	0.16	μg/L	1	J	EPA 624	11/4/16	11/5/16 4:19	EEH
1,1-Dichloroethylene	0.78	2.0	0.21	μg/L	1	J	EPA 624	11/4/16	11/5/16 4:19	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Tetrachloroethylene	ND	2.0	0.27	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Toluene	ND	1.0	0.17	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,1,1-Trichloroethane	33	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 4:19	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
m+p Xylene	ND	2.0	0.26	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
o-Xylene	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 4:19	EEH
Surrogates		% Reco	overy	Recovery Limits	1	Flag/Qual				
1,2-Dichloroethane-d4		102		70-130					11/5/16 4:19	
Toluene-d8		99.3		70-130					11/5/16 4:19	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		11/5/16 4:19
Toluene-d8	99.3	70-130		11/5/16 4:19
4-Bromofluorobenzene	99.6	70-130		11/5/16 4:19



Project Location: S. Otselic, N.Y. Sample Description: Work Order: 16K0007

Date Received: 11/1/2016 Field Sample #: EFF 46 HZ

Sampled: 10/31/2016 07:15

Sample ID: 16K0007-03 Sample Matrix: Ground Water

Volatile O	rganic	Compounds	bv	GC/MS
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Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Chloromethane	ND	2.0	0.55	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,1-Dichloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,1-Dichloroethylene	ND	2.0	0.21	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Ethylbenzene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Methylene Chloride	ND	5.0	3.2	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Toluene	ND	1.0	0.17	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	11/4/16	11/5/16 3:25	EEH
m+p Xylene	ND	2.0	0.26	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
o-Xylene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 3:25	EEH
Surrogates		% Reco	very	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		103		70-130					11/5/16 3:25	
Toluene-d8		102		70-130					11/5/16 3:25	



Project Location: S. Otselic, N.Y. Sample Description: Work Order: 16K0007

Date Received: 11/1/2016

Field Sample #: Trip Blank

Sampled: 10/31/2016 00:00

Sample ID: 16K0007-04

Sample Matrix: Trip Blank Water

### Volatile Organic Compounds by GC/MS

								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	0.18	1.0	0.12	μg/L	1	J	EPA 624	11/4/16	11/5/16 2:58	EEH
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Chlorodibromomethane	ND	2.0	0.10	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Chloromethane	ND	2.0	0.55	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,1-Dichloroethane	ND	2.0	0.16	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,1-Dichloroethylene	ND	2.0	0.21	μg/L	1		EPA 624	11/4/16	11/5/16 2:58	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,2-Dichloropropane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Ethylbenzene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Methylene Chloride	ND	5.0	3.2	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Toluene	0.48	1.0	0.17	$\mu g/L$	1	J	EPA 624	11/4/16	11/5/16 2:58	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Trichloroethylene	ND	2.0	0.20	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
Vinyl Chloride	ND	2.0	0.13	$\mu g/L$	1		EPA 624	11/4/16	11/5/16 2:58	EEH
m+p Xylene	0.26	2.0	0.26	$\mu g/L$	1	J	EPA 624	11/4/16	11/5/16 2:58	EEH
o-Xylene	0.14	2.0	0.13	$\mu g/L$	1	J	EPA 624	11/4/16	11/5/16 2:58	EEH
Surrogates		% Reco	very	Recovery Limits	S	Flag/Qual				
1,2-Dichloroethane-d4		105		70-130					11/5/16 2:58	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		11/5/16 2:58
Toluene-d8	101	70-130		11/5/16 2:58
4-Bromofluorobenzene	99.3	70-130		11/5/16 2:58



### **Sample Extraction Data**

### Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16K0007-01 [RW-1]	B162482	5	5.00	11/04/16
16K0007-02 [RW-2]	B162482	5	5.00	11/04/16
16K0007-03 [EFF 46 HZ]	B162482	5	5.00	11/04/16
16K0007-04 [Trip Blank]	B162482	5	5.00	11/04/16



### QUALITY CONTROL

Spike

Source

%REC

RPD

### Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B162482 - SW-846 5030B										
Blank (B162482-BLK1)				Prepared &	Analyzed: 11	/04/16				
Benzene	ND	1.0	μg/L							
Bromodichloromethane	ND	2.0	$\mu g/L$							
Bromoform	ND	2.0	μg/L							
Bromomethane	ND	2.0	$\mu g/L$							
Carbon Tetrachloride	ND	2.0	$\mu g/L$							
Chlorobenzene	ND	2.0	μg/L							
Chlorodibromomethane	ND	2.0	μg/L							
Chloroethane	ND	2.0	μg/L							
-Chloroethyl Vinyl Ether	ND	10	μg/L							
Chloroform	ND	2.0	μg/L							
Chloromethane	ND	2.0	μg/L							
,2-Dichlorobenzene	ND	2.0	$\mu \text{g/L}$							
,3-Dichlorobenzene	ND	2.0	$\mu \text{g/L}$							
,4-Dichlorobenzene	ND	2.0	μg/L							
,2-Dichloroethane	ND	2.0	μg/L							
,1-Dichloroethane	ND	2.0	μg/L							
,1-Dichloroethylene	ND	2.0	$\mu g\!/\!L$							
ans-1,2-Dichloroethylene	ND	2.0	$\mu \text{g/L}$							
2-Dichloropropane	ND	2.0	$\mu \text{g/L}$							
is-1,3-Dichloropropene	ND	2.0	$\mu \text{g/L}$							
ans-1,3-Dichloropropene	ND	2.0	$\mu \text{g/L}$							
thylbenzene	ND	2.0	$\mu \text{g/L}$							
1ethyl tert-Butyl Ether (MTBE)	ND	2.0	$\mu \text{g/L}$							
1ethylene Chloride	ND	5.0	μg/L							
1,2,2-Tetrachloroethane	ND	2.0	μg/L							
etrachloroethylene	ND	2.0	μg/L							
oluene	ND	1.0	μg/L							
,1,1-Trichloroethane	ND	2.0	μg/L							
,1,2-Trichloroethane	ND	2.0	μg/L							
richloroethylene	ND	2.0	μg/L							
richlorofluoromethane (Freon 11)	ND	2.0	μg/L							
Vinyl Chloride	ND	2.0	μg/L							
n+p Xylene	ND	2.0	μg/L							
-Xylene	ND	2.0	μg/L							
urrogate: 1,2-Dichloroethane-d4	25.6		$\mu g/L$	25.0		102	70-130			
urrogate: Toluene-d8	25.0		$\mu g/L$	25.0		99.9	70-130			
urrogate: 4-Bromofluorobenzene	24.9		$\mu g/L$	25.0		99.5	70-130			
CS (B162482-BS1)				Prepared &	Analyzed: 11	/04/16				
Benzene	10.8	1.0	$\mu \text{g/L}$	10.0		108	37-151			
romodichloromethane	10.8	2.0	$\mu \text{g/L}$	10.0		108	35-155			
romoform	10.0	2.0	$\mu g\!/\!L$	10.0		100	45-169			
romomethane	11.9	2.0	$\mu \text{g/L}$	10.0		119	20-242			
arbon Tetrachloride	11.4	2.0	$\mu \text{g/L}$	10.0		114	70-140			
Chlorobenzene	10.8	2.0	$\mu \text{g/L}$	10.0		108	37-160			
hlorodibromomethane	9.65	2.0	$\mu \text{g/L}$	10.0		96.5	53-149			
Chloroethane	11.1	2.0	$\mu \text{g/L}$	10.0		111	70-130			
-Chloroethyl Vinyl Ether	83.8	10	$\mu \text{g/L}$	100		83.8	10-305			
hloroform	11.4	2.0	$\mu \text{g/L}$	10.0		114	51-138			
Chloromethane	9.61	2.0	$\mu \text{g/L}$	10.0		96.1	20-273			
,2-Dichlorobenzene	11.2	2.0	$\mu g/L$	10.0		112	18-190			
,3-Dichlorobenzene	11.0	2.0	$\mu g/L$	10.0		110	59-156			



### QUALITY CONTROL

### Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B162482 - SW-846 5030B										
LCS (B162482-BS1)				Prepared &	Analyzed: 11	/04/16				
1,4-Dichlorobenzene	10.9	2.0	μg/L	10.0		109	18-190			
1,2-Dichloroethane	10.7	2.0	$\mu g\!/\!L$	10.0		107	49-155			
1,1-Dichloroethane	11.3	2.0	$\mu g\!/\!L$	10.0		113	59-155			
1,1-Dichloroethylene	10.9	2.0	$\mu g\!/\!L$	10.0		109	20-234			
trans-1,2-Dichloroethylene	9.85	2.0	$\mu g\!/\!L$	10.0		98.5	54-156			
1,2-Dichloropropane	10.8	2.0	$\mu g \! / \! L$	10.0		108	20-210			
cis-1,3-Dichloropropene	10.8	2.0	$\mu g\!/\!L$	10.0		108	20-227			
trans-1,3-Dichloropropene	11.7	2.0	$\mu g\!/\!L$	10.0		117	17-183			
Ethylbenzene	11.2	2.0	$\mu \text{g/L}$	10.0		112	37-162			
Methyl tert-Butyl Ether (MTBE)	10.7	2.0	$\mu \text{g/L}$	10.0		107	70-130			
Methylene Chloride	10.4	5.0	$\mu \text{g/L}$	10.0		104	50-221			
1,1,2,2-Tetrachloroethane	11.5	2.0	$\mu \text{g/L}$	10.0		115	46-157			
Tetrachloroethylene	11.4	2.0	$\mu g/L$	10.0		114	64-148			
Toluene	10.7	1.0	$\mu \text{g/L}$	10.0		107	47-150			
1,1,1-Trichloroethane	11.1	2.0	$\mu \text{g/L}$	10.0		111	52-162			
1,1,2-Trichloroethane	10.8	2.0	$\mu \text{g/L}$	10.0		108	52-150			
Trichloroethylene	11.5	2.0	$\mu \text{g/L}$	10.0		115	71-157			
Trichlorofluoromethane (Freon 11)	11.2	2.0	$\mu \text{g/L}$	10.0		112	17-181			
Vinyl Chloride	11.6	2.0	$\mu \text{g/L}$	10.0		116	20-251			
m+p Xylene	22.3	2.0	$\mu \text{g/L}$	20.0		112	70-130			
o-Xylene	11.0	2.0	$\mu g/L$	10.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.2		μg/L	25.0		105	70-130			
Surrogate: Toluene-d8	25.0		$\mu g/L$	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		$\mu g/L$	25.0		100	70-130			



### FLAG/QUALIFIER SUMMARY

*	QC resu	ılt ıs	outside	e of	establish	ed I	ımıts.

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

J Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated

concentration (CLP J-Flag).



### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA



 $The \ CON-TEST \ Environmental \ Laboratory \ operates \ under \ the \ following \ certifications \ and \ accreditations:$ 

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

Table	of	Contents
Iabic	OI.	Contents

Oother:

○Equis (1 file)

Defiverables

O ASP.A

4 day 🔾 48 hr 🔾

72 hr O 24 hr

Date/Time:

Received by:

Date/Time:

eived by: (signature)

Page

O NY Part 375

O NY CP-51

○ AWQ STDS ○ NY Unrestricted Use

O NYC Sewer Discharge O Part 360 GW (Landfill)

10-Day or 7 Day

ONY Restricted Use

NY TOGS

5-Day

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Date/Time:

Relinquished by:

O Other:

**CHAIN OF CUSTODY RECORD** 

East longmeadow, MA 01028

39 Spruce Street

**NEW YORK STATE** 

Dissolved Metals \*\*\*Container Code O Field Filtered # of Containers \*\* Preservation O Lab to Filter \*\*\*Cont. Code: A=amber glass **ANALYSIS REQUESTED** > Telephone: 518-250-7300 Project # \_ OO 2 6 C 4 () Co. 000 0 OWEBSITE | DATA DELIVERY (check all that apply) 16KOOG EMAIL O F& Client PO# Fax# Email: info@contestlabs.com www.contestlabs.com Phone: 413-525-2332 2005 ANALYTICAL LABORATORY <u>ا</u> Station of the line Company Name: Acca OS Kogk Attention: J. Uuck が上げ 855 Project Location: Sampled By:

Address:

ST=sterile

P=plastic

4 2

EXCEL 6 GIS 🔾

PDF 🐞 O OTHER

Format: Email:

O Project Proposal Provided? (for billing

purposes)\_

G=glass

8 = Sodium bisulfate DW= drinking water GW= groundwater T = Na thiosulfate WW= wastewater X = Na hydroxide S = Sulfuric Acid \*\*Preservation \*Matrix Code: N = Nitric Acid S=summa can M = Methanol S = soil/solid T=tedlar bag SL = sludge 0 = Other 0 = other 0=Other H=HCL l= |ced V= via Program Information/Regulatory Please use the following codes to let Con-Test know if a specific sample H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: Turnaround 9 5-Da 5-Da 7 Da 7 Da 10-E 80 10-E 80 10-E 80 10-E ¥ X \*Matrix | Conc Code ٤ ٤ ١ "Enhanced Data Package" 3 Composite Grab Lode × Date/Time: 0 Date/Time 5010 0110 310 Ending Collection 1500 Relinquished by: 19/18/11 Date/Time Beginning Client Sample ID / Description 10/31/K Date/Time: EFF 46 スリン-2 4:0 Relinquished by: (signature Con-Test Lab ID Comments:

RNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT Equis (4 file) ASP-B Require lab approval MPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. 15 of 17

PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Page 1 of 2

### Sample Receipt Checklist

1) Was the chain(s) of custody		REC	EIVEC	BY:	<u> 13</u>		_DATE	:11:1:16
	-	gned?			<u>V</u>	_		No COC Incl.
2) Does the chain agree with the If not, explain:	e samples?			Yes		_ No		-
3) Are all the samples in good c If not, explain:	condition?			Yes		_ No	***************************************	-
) How were the samples received	/ed:							
On Ice Direct from S	Sampling	Ambi	ient		In Co	oler(s)	V	
Vere the samples received in Te								
emperature °C by Temp blank								
) Are there Dissolved samples	for the lab to filter?	•		Yes		_ No	<u> </u>	
Who was notified	Date		Time _					
) Are there any RUSH or SHOR	T HOLDING TIME s	amples	?	Yes		No	$\checkmark$	
Who was notified	Date	······································	Time _					
		<del></del>	——————————————————————————————————————	Permi	ssion to	subc	ontract sa	amples? Yes No
				I			ı) if not a	Iready approved
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Do all samples have the prop	er Acid pH: Yes er Base pH: Yes		No No	Client	Signati N/A N/A	ure:		
Do all samples have the property Do all samples have the property Was the PC notified of any di	er Acid pH: Yes er Base pH: Yes	ne CoC	No No vs the	Client	Signati N/A N/A oles:	ves		
Do all samples have the property Do all samples have the property Was the PC notified of any di	er Acid pH: Yes er Base pH: Yes iscrepancies with th	ne CoC	No No vs the	Client	Signati N/A N/A oles:	ves		N/A ✓
Do all samples have the proposition Do all samples have the proposition of any di	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	Client e samp	Signati N/A N/A oles:	v Yes		
Do all samples have the property Do all samples have the property Was the PC notified of any discount Communication Communicatio	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp	Signati N/A N/A Dies:	Yes		N/A ✓
Do all samples have the proposition of the proposit	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp t Co	N/A N/A N/A Dles:	Yes est ber lear jar		N/A ✓
Do all samples have the property Do all samples have the property Was the PC notified of any discrete Control of the PC notified of the PC notifi	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp t Co	N/A N/A oles: on-Te	Yes St ber lear ja		N/A ✓
Do all samples have the property	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	16 8 oz a 4 oz a 2 oz a	N/A N/A N/A Dles: On-Te	Yes  St  ber lear jal lear jal		N/A ✓
Do all samples have the property	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp t Co	N/A N/A Oles: On-T( oz am mber/c mber/c	Yes St ber lear jar lear jar		N/A ✓
Do all samples have the property	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp t Co  16 8 oz a 4 oz a 2 oz a Plasti	N/A N/A N/A oles: oz am mber/c mber/c mber/c c Bag /	Yes  St  ber lear jal lear jal Ziploc		N/A ✓
Do all samples have the property	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	client  e samp  t Co  16  8 oz a  4 oz a  2 oz a  Plasti	N/A N/A N/A oles: on-Te ooz am mber/c mber/c c Bag / SOC K	Yes  St  ber lear jal lear jal lear jal lear jal e Kit		N/A ✓
Do all samples have the property	er Acid pH: Yes er Base pH: Yes iscrepancies with the	ne CoC	No No vs the	e samp t Co  16 8 oz a 4 oz a 2 oz a Plasti  Per Flas	N/A N/A N/A oles: oz am mber/c mber/c c Bag / SOC K chlorate	Yes  St  ber lear jar lear jar lear jar ziploc it e Kit pottle		N/A ✓

## Page 2 of 2 <u>Login Sample Receipt Checklist</u>

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client
Answer (True/False)

Question	Answer (True/False)	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	Т	
4) Cooler Temperature is acceptable.		
5) Cooler Temperature is recorded.	Augus.	
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	7	
10) Samples are received within Holding Time.	7	
11) Sample containers have legible labels.	7	
ontainers are not broken or leaking.	7	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	τ	1.00
15) Appropriate sample containers are used.		
16) Proper collection media used.		
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	7	
19) Trip blanks provided if applicable.		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	7	
21) Samples do not require splitting or compositing.	NA statements?	Data/Time:

Doc #277 Rev. 4 August 2013

Who notified of False statements? Log-In Technician Initials:  $\rho eta$ 

Date/Time:



December 14, 2016

Jeremy Wyckoff Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210 Clifton Park, NY 12065

Project Location: S. Otselic, N.Y.

Client Job Number:

Project Number: 00266406.0000

Laboratory Work Order Number: 16K1510

Enclosed are results of analyses for samples received by the laboratory on November 30, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit Project Manager

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Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210

Clifton Park, NY 12065 ATTN: Jeremy Wyckoff

PURCHASE ORDER NUMBER:

REPORT DATE: 12/14/2016

PROJECT NUMBER: 00266406.0000

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16

16K1510

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: S. Otselic, N.Y.

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16K1510-01	Ground Water		EPA 624	
RW-2	16K1510-02	Ground Water		EPA 624	
EFF 46 HZ	16K1510-03	Ground Water		EPA 624	
Trip Blank	16K1510-04	Trip Blank Water		EPA 624	



#### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager



Project Location: S. Otselic, N.Y. Work Order: 16K1510 Sample Description:

Date Received: 11/30/2016 Field Sample #: RW-1

Sampled: 11/28/2016 06:05

Sample ID: 16K1510-01 Sample Matrix: Ground Water

Volatile Organic (	Compounds by	GC/MS
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								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Bromodichloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Bromomethane	ND	2.0	0.94	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Carbon Tetrachloride	ND	2.0	0.25	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Chloromethane	1.8	2.0	0.55	$\mu g/L$	1	J	EPA 624	12/9/16	12/9/16 22:02	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,2-Dichloroethane	ND	2.0	0.19	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,1-Dichloroethane	2.1	2.0	0.16	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,1-Dichloroethylene	1.0	2.0	0.21	μg/L	1	J	EPA 624	12/9/16	12/9/16 22:02	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Tetrachloroethylene	ND	2.0	0.27	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Toluene	ND	1.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,1,1-Trichloroethane	42	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
m+p Xylene	ND	2.0	0.26	μg/L μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
o-Xylene	ND	2.0	0.13	μg/L μg/L	1		EPA 624	12/9/16	12/9/16 22:02	MFF
Surrogates		% Reco		Recovery Limit		Flag/Qual				
1,2-Dichloroethane-d4		115	-	70-130		-			12/9/16 22:02	
Toluene-d8		86.5		70-130					12/9/16 22:02	
4 D 0 1				=0.400					10/0/16 00 00	



Project Location: S. Otselic, N.Y. Sample Description: Work Order: 16K1510

Date Received: 11/30/2016 Field Sample #: RW-2

Sampled: 11/28/2016 06:10

Sample ID: 16K1510-02 Sample Matrix: Ground Water

Volatile	Organic	Compounds by	GC/MS

						TI (0 1		Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Chloromethane	2.4	2.0	0.55	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,1-Dichloroethane	0.89	2.0	0.16	μg/L	1	J	EPA 624	12/9/16	12/9/16 22:25	MFF
1,1-Dichloroethylene	0.87	2.0	0.21	μg/L	1	J	EPA 624	12/9/16	12/9/16 22:25	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Tetrachloroethylene	ND	2.0	0.27	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Toluene	ND	1.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,1,1-Trichloroethane	35	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
m+p Xylene	ND	2.0	0.26	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
o-Xylene	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 22:25	MFF
Surrogates		% Reco	very	Recovery Limits	s	Flag/Qual				
1,2-Dichloroethane-d4		114		70-130					12/9/16 22:25	
Toluene-d8		86.0		70-130					12/9/16 22:25	
4-Bromofluorobenzene		80.0		70-130					12/9/16 22:25	



Project Location: S. Otselic, N.Y. Work Order: 16K1510 Sample Description:

Date Received: 11/30/2016 Field Sample #: EFF 46 HZ

Sampled: 11/28/2016 06:15

Sample ID: 16K1510-03 Sample Matrix: Ground Water

Volatile Organic	Compounds by	GC/MS
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								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Carbon Tetrachloride	ND	2.0	0.25	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Chloromethane	2.3	2.0	0.55	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,2-Dichloroethane	ND	2.0	0.19	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,1-Dichloroethane	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,1-Dichloroethylene	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Tetrachloroethylene	ND	2.0	0.27	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Toluene	ND	1.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,1,1-Trichloroethane	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
m+p Xylene	ND	2.0	0.26	μg/L μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
o-Xylene	ND	2.0	0.13	μg/L μg/L	1		EPA 624	12/9/16	12/9/16 21:40	MFF
Surrogates		% Reco		Recovery Limits		Flag/Qual			<u> </u>	
1,2-Dichloroethane-d4		119	-	70-130		-			12/9/16 21:40	
Toluene-d8		92.4		70-130					12/9/16 21:40	
4.D. (1)		0.4.		=0.400					40/0/46 04 40	



Project Location: S. Otselic, N.Y. Work Order: 16K1510 Sample Description:

Date Received: 11/30/2016 Field Sample #: Trip Blank

Sampled: 11/28/2016 00:00

Sample ID: 16K1510-04 Sample Matrix: Trip Blank Water

### Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.16	1.0	0.12	μg/L	1	J	EPA 624	12/9/16	12/9/16 21:17	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1	·	EPA 624	12/9/16	12/9/16 21:17	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Chlorodibromomethane	ND	2.0	0.10	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Chloromethane	1.4	2.0	0.55	μg/L	1	J	EPA 624	12/9/16	12/9/16 21:17	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,1-Dichloroethane	ND	2.0	0.16	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,1-Dichloroethylene	ND	2.0	0.21	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,2-Dichloropropane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Ethylbenzene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Methylene Chloride	ND	5.0	3.2	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Toluene	0.60	1.0	0.17	$\mu g/L$	1	J	EPA 624	12/9/16	12/9/16 21:17	MFF
1,1,1-Trichloroethane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Trichloroethylene	ND	2.0	0.20	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Vinyl Chloride	ND	2.0	0.13	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
m+p Xylene	ND	2.0	0.26	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
o-Xylene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	12/9/16	12/9/16 21:17	MFF
Surrogates		% Reco	very	Recovery Limits		Flag/Qual				
1,2-Dichloroethane-d4		114		70-130					12/9/16 21:17	
Toluene-d8		92.2		70-130					12/9/16 21:17	



### **Sample Extraction Data**

### Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16K1510-01 [RW-1]	B165362	5	5.00	12/09/16
16K1510-02 [RW-2]	B165362	5	5.00	12/09/16
16K1510-03 [EFF 46 HZ]	B165362	5	5.00	12/09/16
16K1510-04 [Trip Blank]	B165362	5	5.00	12/09/16



### QUALITY CONTROL

Spike

Source

%REC

RPD

### Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B165362 - SW-846 5030B										
Blank (B165362-BLK1)				Prepared &	Analyzed: 12	/09/16				
Benzene	ND	1.0	μg/L							
Bromodichloromethane	ND	2.0	μg/L							
Bromoform	ND	2.0	μg/L							
Bromomethane	ND	2.0	$\mu g/L$							
Carbon Tetrachloride	ND	2.0	$\mu g/L$							
Chlorobenzene	ND	2.0	μg/L							
Chlorodibromomethane	ND	2.0	$\mu g/L$							
Chloroethane	ND	2.0	μg/L							
2-Chloroethyl Vinyl Ether	ND	10	μg/L							
Chloroform	ND	2.0	μg/L							
Chloromethane	ND	2.0	μg/L							
,2-Dichlorobenzene	ND	2.0	μg/L							
1,3-Dichlorobenzene	ND	2.0	μg/L							
I,4-Dichlorobenzene	ND	2.0	μg/L							
1,2-Dichloroethane	ND	2.0	μg/L							
1,1-Dichloroethane	ND	2.0	μg/L							
1,1-Dichloroethylene	ND	2.0	μg/L							
rans-1,2-Dichloroethylene	ND	2.0	μg/L							
,2-Dichloropropane	ND	2.0	μg/L							
eis-1,3-Dichloropropene	ND	2.0	μg/L							
rans-1,3-Dichloropropene	ND	2.0	μg/L							
Ethylbenzene	ND	2.0	μg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	μg/L							
Methylene Chloride	ND	5.0	μg/L							
1,1,2,2-Tetrachloroethane	ND	2.0	μg/L							
Tetrachloroethylene	ND	2.0	μg/L							
Toluene	ND	1.0	μg/L							
1,1,1-Trichloroethane	ND	2.0	μg/L							
1,1,2-Trichloroethane	ND	2.0	μg/L							
Frichloroethylene	ND	2.0	μg/L							
Frichlorofluoromethane (Freon 11)	ND	2.0	μg/L							
Xylenes (total)	ND	3.0	μg/L							
Vinyl Chloride	ND	2.0	μg/L							
m+p Xylene	ND	2.0	μg/L							
o-Xylene	ND	2.0	μg/L							
Surrogate: 1,2-Dichloroethane-d4	28.4		μg/L	25.0		113	70-130			
Surrogate: Toluene-d8	23.4		μg/L	25.0		93.5	70-130			
Surrogate: 4-Bromofluorobenzene	20.9		μg/L	25.0		83.4	70-130			
LCS (B165362-BS1)			~		Analyzed: 12					
Benzene	10.0	1.0	μg/L	10.0		100	37-151			
Bromodichloromethane	10.3	2.0	μg/L	10.0		103	35-155			
Bromoform	9.56	2.0	μg/L	10.0		95.6	45-169			
Bromomethane	10.8	2.0	μg/L	10.0		108	20-242			
Carbon Tetrachloride	9.98	2.0	μg/L	10.0		99.8	70-140			
Chlorobenzene	9.92	2.0	μg/L	10.0		99.2	37-160			
Chlorodibromomethane	10.2	2.0	μg/L	10.0		102	53-149			
Chloroethane	9.79	2.0	μg/L	10.0		97.9	70-130			
2-Chloroethyl Vinyl Ether	172	10	μg/L	100		172	10-305			
Chloroform	10.4	2.0	μg/L	10.0		104	51-138			
Chloromethane	11.3	2.0	μg/L	10.0		113	20-273			
1,2-Dichlorobenzene	10.2	2.0	μg/L	10.0		102	18-190			



### QUALITY CONTROL

### Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B165362 - SW-846 5030B										
LCS (B165362-BS1)				Prepared &	Analyzed: 12	/09/16				
1,3-Dichlorobenzene	10.2	2.0	μg/L	10.0		102	59-156			
1,4-Dichlorobenzene	10.0	2.0	μg/L	10.0		100	18-190			
1,2-Dichloroethane	10.9	2.0	μg/L	10.0		109	49-155			
1,1-Dichloroethane	10.7	2.0	μg/L	10.0		107	59-155			
1,1-Dichloroethylene	10.0	2.0	μg/L	10.0		100	20-234			
trans-1,2-Dichloroethylene	10.3	2.0	μg/L	10.0		103	54-156			
1,2-Dichloropropane	10.1	2.0	μg/L	10.0		101	20-210			
cis-1,3-Dichloropropene	10.6	2.0	μg/L	10.0		106	20-227			
trans-1,3-Dichloropropene	10.1	2.0	μg/L	10.0		101	17-183			
Ethylbenzene	9.07	2.0	μg/L	10.0		90.7	37-162			
Methyl tert-Butyl Ether (MTBE)	10.2	2.0	μg/L	10.0		102	70-130			
Methylene Chloride	10.4	5.0	μg/L	10.0		104	50-221			
1,1,2,2-Tetrachloroethane	10.6	2.0	μg/L	10.0		106	46-157			
Tetrachloroethylene	10.2	2.0	μg/L	10.0		102	64-148			
Toluene	10.4	1.0	μg/L	10.0		104	47-150			
1,1,1-Trichloroethane	10.2	2.0	μg/L	10.0		102	52-162			
1,1,2-Trichloroethane	10.6	2.0	μg/L	10.0		106	52-150			
Trichloroethylene	10.8	2.0	μg/L	10.0		108	71-157			
Trichlorofluoromethane (Freon 11)	10.3	2.0	$\mu g/L$	10.0		103	17-181			
Vinyl Chloride	10.2	2.0	$\mu g/L$	10.0		102	20-251			
m+p Xylene	17.5	2.0	μg/L	20.0		87.3	70-130			
o-Xylene	9.38	2.0	$\mu g/L$	10.0		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	26.1		μg/L	25.0		104	70-130			
Surrogate: Toluene-d8	26.3		$\mu g/L$	25.0		105	70-130			
Surrogate: 4-Bromofluorobenzene	24.5		$\mu g/L$	25.0		97.9	70-130			



### FLAG/QUALIFIER SUMMARY

*	QC resu	ılt ıs	outside	e of	establish	ed I	ımıts.

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

J Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated

concentration (CLP J-Flag).



### CERTIFICATIONS

### Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA



 $The \ CON-TEST \ Environmental \ Laboratory \ operates \ under \ the \ following \ certifications \ and \ accreditations:$ 

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

Other:

○Equis (1 file)

Defiverables O ASP.A ASP-B

4 day 🔾 48 hr

24 hr O 72 hr O

PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

Date/Time:

Received by:

Date/Time:

ceived by: (signature)

Page

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MPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED.

**CHAIN OF CUSTODY RECORD NEW YORK STATE** 

Phone: 413-525-2332

East longmeadow, MA 01028

39 Spruce Street

\*\*\*Container Code Dissolved Metals O Field Filtered # of Containers O Lab to Filter \*\* Preservation \*\*\*Cont. Code: A=amber glass ST=sterile P=plastic G=glass V= via **ANALYSIS REQUESTED** 45 7 Project # 00266 406.0000 OWEBSITE | 615 0 Telephone: 518-250-7300 DATA DELIVERY (check all that appiy) |PKI510 EXCEL 🚭 EMAIL PDF 👁 OTHER O O FA Client PO# Format: Email: Fax# Email: info@contestlabs.com www.contestlabs.com COM Fax: 413-525-23 S 記 S ANALYTICAL LABORATORY ح Project Location: 5. Otsclic しょりてい O Project Proposal Provided? (for billing 2 7016 Company Name: AcadiS 11xton Park Attention: Sampled By: Address: purposes).

				<b>.</b> .		<del>, .,</del>								 			1		. 1
V= vial	S=summa can	I=tediar bag	O=Other	I = Iced	H=HC	N = Nitric Acid	S = Sulfuric Acid	B = Sodium bisulfate	X = Na hydroxide T = Na thiosufate	O = Other	*Matrix Code:	GW= groundwater	WW= wastewater	 S = soil/solid	SL = sludge O = other		NV Part 375		)
															Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:	 	Program Information/Regulatory  NY TOGS ONY Restricted Use	O AWQ STDS O NY Unrestricted Use	O Part 360 GW (Landfill)
<u>-</u> う	Conc Code		X	× ×	_	, , ,	۷ (								se use the following code may be high in conce	H - High; M - Medium;	Turnaround 1	10-Day or	RUSH
Data Packagi	*Matrix	Grab Code	3 0 2	- 4		*	, X								Pleas				
O "Enhanced Data Package"	Composito																Date/Time:	Date/Time:	Date/Time:
Collection	Ending	Date/Time	5090 PH8711	0100	りつつまるの言	\ \ \ \	\										d by:	j.	d by:
Š	<b>—</b> —	Date/Time	118711	11/2/11/	3000		21,000										1400 Relinquished by:	Received by:	Relinquished by:
	Client Sample ID / Description				ドコ	2 6	0 km/5						**************************************				Date/Time: 1400	Date/Time: [11/3⊙][(0 (0):0∂	Date/Time:
		1	RW-7	2.2-2		しまり	15.p 015.1										(signature)	rafture) 3.9	(signature)
	Con-Test Lab ID	(Jaboratory use only)	<u>5</u>	<b>χ</b> ο	<b>20</b>		5								Comments:		Relinquished by: (signature)	Received by (Signature)	Prinquished by: (signature)

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Page 1 of 2

### Sample Receipt Checklist

CLIENT NAME: Accordis		RECEIVED	BY:	<u>EB</u>		DATE:	11/30/16
1) Was the chain(s) of custody r	elinquished and siç	gned?	Yes		No		No COC Incl.
2) Does the chain agree with the If not, explain:	samples?		Yes	<u>~</u>	No	<del></del>	
3) Are all the samples in good of lf not, explain:	ondition?		Yes	<u> </u>	No		
4) How were the samples receiv	ed:						
On Ice Direct from S	ampling	Ambient		In Coo	ler(s)		
Were the samples received in Te	mperature Complia	nce of (2-6°C	)?	Yes	<u> </u>	. No	N/A
Temperature °C by Temp blank		_ Temperature	e °C by	y Temp	gun	3.8	
5) Are there Dissolved samples					No	<u> </u>	
Who was notified	Date	Time _					
<ol><li>Are there any RUSH or SHOR</li></ol>	T HOLDING TIME sa	amples?	Yes		No		
Who was notified	Date	Time _					·
							amples? Yes No
7) Location where samples are stor	ed:		(Walk-	in clien	ts only	) if not al	ready approved
	Logi						
B) Do all samples have the prop	or Acid nH· Vos						
9) Do all samples have the prop				<del></del>		_	•
10) Was the PC notified of any di	ontainers re		99600 NEW YORK		Quadiplescope (AC)		N/A
		Cerveu a		711-16	<u> </u>		
1 Liter Amber	# of containers						# of containors
		B000000000	16	car amt	or		# of containers
			*******************************	oz amt	<del></del>		# of containers
500 mL Amber			8 oz a	mber/cl	ear jar		# of containers
500 mL Amber 250 mL Amber (8oz amber)			8 oz a 4 oz a	mber/cl mber/cl	ear jar ear jar		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic			8 oz a 4 oz a 2 oz a	mber/cl mber/cl mber/cl	ear jar ear jar ear jar		# of containers
500 mL Amber 250 mL Amber (8oz amber)			8 oz a 4 oz a 2 oz a Plasti	mber/cl mber/cl	ear jar ear jar ear jar Ziploc		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic			8 oz a 4 oz a 2 oz a Plasti	mber/cl mber/cl mber/cl c Bag /	ear jar ear jar ear jar Ziploc t		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic			8 oz a 4 oz a 2 oz a Plasti Per	imber/cl imber/cl imber/cl c Bag / SOC Ki	ear jar ear jar ear jar Ziploc t Kit		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below			8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki	ear jar ear jar ear jar Ziploc t e Kit		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below			8 oz a 4 oz a 2 oz a Plasti Per	imber/cl imber/cl imber/cl c Bag / SOC Ki	ear jar ear jar ear jar Ziploc t Kit		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle			8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki chlorate hpoint b	ear jar ear jar ear jar Ziploc t e Kit		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle			8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki rchlorate hpoint b	ear jar ear jar ear jar Ziploc t e Kit		# of containers
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore			8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki rchlorate hpoint b	ear jar ear jar ear jar Ziploc t e Kit pottle		
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	# Met		8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki rchlorate hpoint b	ear jar ear jar ear jar Ziploc t e Kit pottle		
500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore			8 oz a 4 oz a 2 oz a Plasti Per Flas	imber/cl imber/cl imber/cl c Bag / SOC Ki chlorate hpoint b	ear jar ear jar ear jar Ziploc t e Kit pottle		

# Page 2 of 2 Login Sample Receipt Checklist

# (Rejection Criteria Listing - Using Sample Acceptance Policy) Any False statement will be brought to the attention of Client

Question	Answer (True/Fals	e) Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	7 NA	
The cooler or samples do not appear to have been compromised or tampered with.	• —	
3) Samples were received on ice.	<u> </u>	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	<u>-</u>	3.8 with gun
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.		
11) Sample containers have legible labels.	7	
12) Containers are not broken or leaking.	T	okalakan sakara sa sa sakakaran sa
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	丁	
15) Appropriate sample containers are used.		
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.		
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	j	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.		
Who notified of Fals	se statements?	Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time: 11 30/16

Go:01



January 10, 2017

Jeremy Wyckoff Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210 Clifton Park, NY 12065

Project Location: South Otselic, NY

Client Job Number:

Project Number: 00266406.0000

Laboratory Work Order Number: 16L1387

Enclosed are results of analyses for samples received by the laboratory on December 30, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit Project Manager

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Arcadis US, Inc. - Clifton Park-NY 855 Route 146, Suite 210

Clifton Park, NY 12065 PURCHASE ORDER NUMBER: ATTN: Jeremy Wyckoff

REPORT DATE: 1/10/2017

PROJECT NUMBER: 00266406.0000

#### ANALYTICAL SUMMARY

16L1387 WORK ORDER NUMBER:

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: South Otselic, NY

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16L1387-01	Ground Water		EPA 624	
RW-2	16L1387-02	Ground Water		EPA 624	
EFF 46 HZ	16L1387-03	Ground Water		EPA 624	
Trip Blank	16L1387-04	Trip Blank Water		EPA 624	



#### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager



Project Location: South Otselic, NY Work Order: 16L1387 Sample Description:

Date Received: 12/30/2016 Field Sample #: RW-1

Sampled: 12/29/2016 06:05

Sample ID: 16L1387-01 Sample Matrix: Ground Water

#### Volatile Organic Compounds by GC/MS

		P.*		gr 4.	Du -:	FI (C :		Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Carbon Tetrachloride	ND	2.0	0.25	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Chloromethane	ND	2.0	0.55	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,2-Dichloroethane	ND	2.0	0.19	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,1-Dichloroethane	2.0	2.0	0.16	$\mu g/L$	1	J	EPA 624	1/4/17	1/6/17 22:23	MFF
1,1-Dichloroethylene	1.2	2.0	0.21	μg/L	1	J	EPA 624	1/4/17	1/6/17 22:23	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090		1		EPA 624	1/4/17	1/6/17 22:23	MFF
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Tetrachloroethylene	ND	2.0	0.27	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Toluene	ND	1.0	0.17	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,1,1-Trichloroethane	41	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
1,1,2-Trichloroethane	0.25	2.0	0.24	μg/L	1	J	EPA 624	1/4/17	1/6/17 22:23	MFF
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
Vinyl Chloride	ND	2.0	0.13	μg/L μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
m+p Xylene	ND	2.0	0.13	μg/L μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
o-Xylene	ND	2.0	0.20	μg/L μg/L	1		EPA 624	1/4/17	1/6/17 22:23	MFF
	ND					Flag/Ougl	LIA 024	1/7/1/	1/0/1/ 22.23	1411.1
Surrogates 1,2-Dichloroethane-d4		% Reco	ivery	70-130	•	Flag/Qual			1/6/17 22:23	
Toluene-d8		98.8		70-130					1/6/17 22:23	
4 Bromofluorobenzene		01.3		70 130					1/6/17 22:23	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	122	70-130		1/6/17 22:23
Toluene-d8	98.8	70-130		1/6/17 22:23
4-Bromofluorobenzene	91.3	70-130		1/6/17 22:23



Project Location: South Otselic, NY Sample Description: Work Order: 16L1387

Date Received: 12/30/2016 Field Sample #: RW-2

Sampled: 12/29/2016 06:10

Sample ID: 16L1387-02 Sample Matrix: Ground Water

Volatile Organic Co	mpounds by GC/MS
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Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Bromoform	ND	2.0	0.21	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Carbon Tetrachloride	ND	2.0	0.25	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Chloromethane	0.57	2.0	0.55	$\mu g/L$	1	J	EPA 624	1/4/17	1/6/17 22:46	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,2-Dichloroethane	ND	2.0	0.19	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,1-Dichloroethane	0.82	2.0	0.16	$\mu g/L$	1	J	EPA 624	1/4/17	1/6/17 22:46	MFF
1,1-Dichloroethylene	0.86	2.0	0.21	μg/L	1	J	EPA 624	1/4/17	1/6/17 22:46	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,2-Dichloropropane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Ethylbenzene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Methylene Chloride	ND	5.0	3.2	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Toluene	ND	1.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,1,1-Trichloroethane	32	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Trichloroethylene	ND	2.0	0.20	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Vinyl Chloride	ND	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 22:46	MFF
m+p Xylene	ND	2.0	0.26	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
o-Xylene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 22:46	MFF
Surrogates		% Reco	very	Recovery Limits	3	Flag/Qual				
1,2-Dichloroethane-d4		124		70-130					1/6/17 22:46	
Toluene-d8		99.6		70-130					1/6/17 22:46	



Project Location: South Otselic, NY Sample Description: Work Order: 16L1387

Date Received: 12/30/2016
Field Sample #: EFF 46 HZ

Sampled: 12/29/2016 06:15

Sample ID: 16L1387-03
Sample Matrix: Ground Water

Volotile	Ougania	Compounds by	CCME
Volatile	Organic	Compounds by	GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.12	μg/L	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Carbon Tetrachloride	ND	2.0	0.25	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Chlorobenzene	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Chlorodibromomethane	ND	2.0	0.10	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Chloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Chloroform	ND	2.0	0.22	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Chloromethane	0.73	2.0	0.55	$\mu g/L$	1	J	EPA 624	1/4/17	1/6/17 21:16	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,2-Dichloroethane	ND	2.0	0.19	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,1-Dichloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,1-Dichloroethylene	ND	2.0	0.21	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,2-Dichloropropane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Ethylbenzene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Methylene Chloride	ND	5.0	3.2	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Toluene	ND	1.0	0.17	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
1,1,1-Trichloroethane	0.15	2.0	0.13	$\mu g/L$	1	J	EPA 624	1/4/17	1/6/17 21:16	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Trichloroethylene	ND	2.0	0.20	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Vinyl Chloride	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
m+p Xylene	ND	2.0	0.26	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
o-Xylene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 21:16	MFF
Surrogates		% Reco	very	Recovery Limits	6	Flag/Qual				
1,2-Dichloroethane-d4		123		70-130					1/6/17 21:16	

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	123	70-130		1/6/17 21:16
Toluene-d8	99.4	70-130		1/6/17 21:16
4-Bromofluorobenzene	88.5	70-130		1/6/17 21:16



Project Location: South Otselic, NY Sample Description: Work Order: 16L1387

Date Received: 12/30/2016
Field Sample #: Trip Blank

Sampled: 12/29/2016 00:00

Sample ID: 16L1387-04
Sample Matrix: Trip Blank Water

Volatile	Organic	Compounds by	GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.14	1.0	0.12	μg/L	1	J	EPA 624	1/4/17	1/6/17 20:53	MFF
Bromodichloromethane	ND	2.0	0.30	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Bromoform	ND	2.0	0.21	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Bromomethane	ND	2.0	0.94	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Carbon Tetrachloride	ND	2.0	0.25	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Chlorobenzene	ND	2.0	0.16	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Chlorodibromomethane	ND	2.0	0.10	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Chloroethane	ND	2.0	0.28	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Chloroform	ND	2.0	0.22	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Chloromethane	0.85	2.0	0.55	μg/L	1	J	EPA 624	1/4/17	1/6/17 20:53	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,2-Dichloroethane	ND	2.0	0.19	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,1-Dichloroethane	ND	2.0	0.16	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,1-Dichloroethylene	ND	2.0	0.21	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,2-Dichloropropane	ND	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Ethylbenzene	ND	2.0	0.13	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Methylene Chloride	ND	5.0	3.2	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Tetrachloroethylene	ND	2.0	0.27	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Toluene	0.67	1.0	0.17	μg/L	1	J	EPA 624	1/4/17	1/6/17 20:53	MFF
1,1,1-Trichloroethane	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 20:53	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Trichloroethylene	ND	2.0	0.20	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	μg/L	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Vinyl Chloride	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 20:53	MFF
m+p Xylene	0.30	2.0	0.26	μg/L	1	J	EPA 624	1/4/17	1/6/17 20:53	MFF
o-Xylene	ND	2.0	0.13	$\mu g/L$	1		EPA 624	1/4/17	1/6/17 20:53	MFF
Surrogates		% Reco	very	Recovery Limit	s	Flag/Qual				
1,2-Dichloroethane-d4		121		70-130					1/6/17 20:53	
TE 1 10		07.4		=0.400					1/6/17 20 52	



## **Sample Extraction Data**

## Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16L1387-01 [RW-1]	B167143	5	5.00	01/04/17
16L1387-02 [RW-2]	B167143	5	5.00	01/04/17
16L1387-03 [EFF 46 HZ]	B167143	5	5.00	01/04/17
16L1387-04 [Trip Blank]	B167143	5	5.00	01/04/17



#### QUALITY CONTROL

Spike

Source

%REC

RPD

## Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B167143 - SW-846 5030B										
Blank (B167143-BLK1)				Prepared: 01	/04/17 Anal	yzed: 01/06/1	7			
Benzene	ND	1.0	μg/L		_ <del>_</del>	_ <del>_</del>	_ <del>_</del>		_ <del>_</del>	
Bromodichloromethane	ND	2.0	$\mu g \! / \! L$							
Bromoform	ND	2.0	$\mu g \! / \! L$							
Bromomethane	ND	2.0	$\mu \text{g/L}$							
Carbon Tetrachloride	ND	2.0	$\mu \text{g/L}$							
Chlorobenzene	ND	2.0	$\mu \text{g/L}$							
Chlorodibromomethane	ND	2.0	$\mu \text{g/L}$							
Chloroethane	ND	2.0	$\mu \text{g/L}$							
2-Chloroethyl Vinyl Ether	ND	10	$\mu \text{g/L}$							
Chloroform	ND	2.0	$\mu \text{g/L}$							
Chloromethane	ND	2.0	$\mu \text{g/L}$							
1,2-Dichlorobenzene	ND	2.0	$\mu \text{g/L}$							
1,3-Dichlorobenzene	ND	2.0	$\mu \text{g/L}$							
1,4-Dichlorobenzene	ND	2.0	$\mu \text{g/L}$							
1,2-Dichloroethane	ND	2.0	$\mu \text{g/L}$							
1,1-Dichloroethane	ND	2.0	$\mu \text{g/L}$							
1,1-Dichloroethylene	ND	2.0	$\mu g/L$							
rans-1,2-Dichloroethylene	ND	2.0	$\mu \text{g/L}$							
,2-Dichloropropane	ND	2.0	$\mu \text{g/L}$							
eis-1,3-Dichloropropene	ND	2.0	$\mu g/L$							
rans-1,3-Dichloropropene	ND	2.0	$\mu g/L$							
Ethylbenzene	ND	2.0	$\mu g/L$							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	$\mu g/L$							
Methylene Chloride	ND	5.0	$\mu \text{g/L}$							
,1,2,2-Tetrachloroethane	ND	2.0	$\mu \text{g/L}$							
Tetrachloroethylene	ND	2.0	$\mu \text{g/L}$							
Toluene	ND	1.0	$\mu \text{g/L}$							
1,1,1-Trichloroethane	ND	2.0	$\mu g/L$							
,1,2-Trichloroethane	ND	2.0	$\mu \text{g/L}$							
Trichloroethylene	ND	2.0	$\mu \text{g/L}$							
Frichlorofluoromethane (Freon 11)	ND	2.0	$\mu \text{g/L}$							
Vinyl Chloride	ND	2.0	$\mu g/L$							
n+p Xylene	ND	2.0	$\mu g/L$							
o-Xylene	ND	2.0	μg/L							
Surrogate: 1,2-Dichloroethane-d4	30.1		μg/L	25.0		120	70-130			
Surrogate: Toluene-d8	24.9		μg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	22.2		μg/L	25.0		88.9	70-130			
LCS (B167143-BS1)					/04/17 Anal	yzed: 01/06/1				
Benzene	10.2	1.0	μg/L	10.0		102	37-151			
Bromodichloromethane	10.7	2.0	μg/L	10.0		107	35-155			
Bromoform	8.98	2.0	μg/L	10.0		89.8	45-169			
Bromomethane	16.9	2.0	μg/L	10.0		169	20-242			
Carbon Tetrachloride	11.7	2.0	μg/L	10.0		117	70-140			
Chlorobenzene	10.0	2.0	μg/L	10.0		100	37-160			
Chlorodibromomethane	9.92	2.0	μg/L	10.0		99.2	53-149			
Chloroethane	11.9	2.0	μg/L	10.0		119	70-130			
-Chloroethyl Vinyl Ether	106	10	μg/L	100		106	10-305			
Chloroform	10.5	2.0	μg/L	10.0		105	51-138			
Chloromethane	10.6	2.0	$\mu \text{g/L}$	10.0		106	20-273			
,2-Dichlorobenzene	10.2	2.0	$\mu \text{g/L}$	10.0		102	18-190			
1,3-Dichlorobenzene	10.1	2.0	$\mu g/L$	10.0		101	59-156			



Surrogate: 4-Bromofluorobenzene

## 39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

#### QUALITY CONTROL

## Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B167143 - SW-846 5030B										
LCS (B167143-BS1)				Prepared: 01	/04/17 Anal	yzed: 01/06/1	17			
1,4-Dichlorobenzene	10.2	2.0	μg/L	10.0		102	18-190			
1,2-Dichloroethane	11.6	2.0	$\mu g/L$	10.0		116	49-155			
1,1-Dichloroethane	10.7	2.0	$\mu \text{g/L}$	10.0		107	59-155			
1,1-Dichloroethylene	11.3	2.0	$\mu \text{g/L}$	10.0		113	20-234			
trans-1,2-Dichloroethylene	11.5	2.0	$\mu \text{g/L}$	10.0		115	54-156			
1,2-Dichloropropane	9.95	2.0	$\mu \text{g/L}$	10.0		99.5	20-210			
cis-1,3-Dichloropropene	9.00	2.0	$\mu g/L$	10.0		90.0	20-227			
rans-1,3-Dichloropropene	8.94	2.0	$\mu \text{g/L}$	10.0		89.4	17-183			
Ethylbenzene	9.62	2.0	$\mu \text{g/L}$	10.0		96.2	37-162			
Methyl tert-Butyl Ether (MTBE)	8.63	2.0	$\mu \text{g/L}$	10.0		86.3	70-130			
Methylene Chloride	12.6	5.0	$\mu \text{g/L}$	10.0		126	50-221			
1,1,2,2-Tetrachloroethane	9.70	2.0	$\mu \text{g/L}$	10.0		97.0	46-157			
Tetrachloroethylene	11.1	2.0	$\mu \text{g/L}$	10.0		111	64-148			
Toluene	10.5	1.0	$\mu g/L$	10.0		105	47-150			
1,1,1-Trichloroethane	10.4	2.0	$\mu g/L$	10.0		104	52-162			
1,1,2-Trichloroethane	10.3	2.0	$\mu g/L$	10.0		103	52-150			
Trichloroethylene	10.1	2.0	$\mu g/L$	10.0		101	71-157			
Trichlorofluoromethane (Freon 11)	13.4	2.0	$\mu \text{g/L}$	10.0		134	17-181			
Vinyl Chloride	10.3	2.0	$\mu \text{g}/L$	10.0		103	20-251			
m+p Xylene	19.7	2.0	$\mu \text{g}/L$	20.0		98.4	70-130			
o-Xylene	9.54	2.0	$\mu g/L$	10.0		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	29.4		μg/L	25.0		118	70-130			
Surrogate: Toluene-d8	26.4		$\mu g/L$	25.0		106	70-130			

 $\mu g/L$ 

25.0

96.4

70-130

24.1



#### FLAG/QUALIFIER SUMMARY

*	QC resi	alt is	outside	e of	establish	ned l	ımıts.

† Wide recovery limits established for difficult compound.

‡ Wide RPD limits established for difficult compound.

# Data exceeded client recommended or regulatory level

ND Not Detected

RL Reporting Limit

DL Method Detection Limit

MCL Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the

calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

J Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated

concentration (CLP J-Flag).



## CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA



The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

**Table of Contents** \*\*\*Container Code Dissolved Metals 8 = Sodium bisulfate DW= drinking water O NY Part 375 **GW**= groundwater WW= wastewater T = Na thiosulfate O Field Filtered ○ NY CP-51 X = Na hydroxide # of Containers \*\* Preservation O Lab to Filter S = Sulfuric Acid \*\*\*Cont. Code: \*\*Preservation A=amber glass PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT \*Matrix Code: M = Methanol N = Nitric Acid O Other: Oother: S=summa can T=tedlar bag S = soil/solid SL = sludge o = Other URNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT ST=sterile 0 = other P=plastic 0=Other G=glass H=HCL V= vial I = Iced A = air O AWQ STDS O NY Unrestricted Use Program Information/Regulatory NY TOGS NY Restricted Use Please use the following codes to let Con-Test know if a specific sample East longmeadow, MA 01028 OEquis (1 file) Equis (4 file) H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: ○ NYC Sewer Discharge ○ Part 360 GW (Landfill) ANALYSIS REQUESTED 39 Spruce Street Deliverables O ASP-A ASP-B **CHAIN OF CUSTODY RECORD** 4 day 🔾 48 hr 🔾 Turnaround 10-Day or 5-Day 7 Day h29 5-Da 0 7-Da 0 10-D RUSH X 24 hr 🔾 \*Matrix Conc Code 72 hr O OMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. 0000. 20478200 ٤ **OWEBSITE** ٤ GISO Telephone: 518-250-7500 Enhanced Data Package" DATA DELIVERY (check all that apply) 3 Code EXCEL O Composite Grab **NEW YORK STATE** X O EMAIL PDF O Date/Time: Date/Time: Date/Time: Date/Time: O OTHER O FA Client PO# Project # Date/Time OSO/ 000 0000 Ending Format: Fax# Email: Collection Email: info@contestlabs.com 13,00 Relinquished by: Relinquished by: Received by: Received by: 12/25/116 Beginning www.contestlabs.com Phone: 413-525-2332 CON Fax: 413-525-23 STE 210 いららん Client Sample ID / Description 13/30/10 9/19 Date/Time: Date/Time: 11/62/11 Date/Time: Date/Time: Blank EFF NO HE ANALYTICAL LABORATORY SSS Roote MB RW-2 Company Name: Arcad's O Project Proposal Provided? (for billing RW-とちなって d d Titles Pack Ŋ Relinquished by: (signature) elinquished by: (signature) sceived by: (signature) Received by: (signature) Con-Test Lab ID Project Location: 6 Sampled By: Attention: purposes) Address: Comments:

Page

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com



Page 1 of 2



# **Sample Receipt Checklist**

CLIENT NAME: ACCOUNT	<u> </u>	RECEIVED BY:	1) (F DATI	: 13/30/1C
1) Was the chain(s) of custody	relinquished and si	gned?	Yes No No	CoC Included
2) Does the chain agree with th If not, explain:	e samples?		Yes No	
3) Are all the samples in good of lf not, explain:	condition?		Ves≥ No	
4) How were the samples received	ved:			
On Ice Direct from S	Sampling	Ambient	In Cooler(s)	
Were the samples received in To	emperature Complia	ance of (2-6°C)?	(Yes No N/A	
Temperature °C by Temp blank		Temperature °C b	y Temp gun 5.	<u> 2, C</u>
5) Are there Dissolved samples	for the lab to filter?	?	Yes (No)	
Who was notified	Date	Time		
6) Are there any RUSH or SHOR			Yes No	
Who was notified	Date	Time		
		F	ssion to subcontract	samples? Yes No
7) Location where samples are sto	red:		-in clients only) if not	·
1) Location where samples are sto	reu.	11	- /	alleady approved
0.5.4.			Signature:	
8) Do all samples have the prop	-	No NA	***************************************	
9) Do all samples have the prop	er Base pH: Yes	No NA	-	
10) Was the PC notified of any d	liecronancies with t	he CoC vs the same	alasa Vaa Na	(n
	iiscrepancies with t		oles: Yes No	(A)
	ontainers re			NA
				# of containers
	ontainers re	ceived at Co		
С	ontainers re	ceived at Co	on-Test	
1 Liter Amber	ontainers re	8 oz a	on-Test amber/clear jar	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic	ontainers re	8 oz a 4 oz a 2 oz a	on-Test amber/clear jar amber/clear jar	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	ontainers re	8 oz a 4 oz a 2 oz a Plast	ember/clear jar ember/clear jar ember/clear jar ember/clear jar ic Bag / Ziploc SOC Kit	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic	# of containers	8 oz a 4 oz a 2 oz a Plast	amber/clear jar amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	ontainers re	8 oz a 4 oz a 2 oz a Plast  Non-Co	ember/clear jar ember/clear jar ember/clear jar ic Bag / Ziploc SOC Kit enTest Container	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	# of containers	8 oz a 4 oz a 2 oz a Plast Non-Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit anTest Container rechlorate Kit	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	# of containers	8 oz a 4 oz a 2 oz a Plast Non-Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit inTest Container rechlorate Kit shpoint bottle her glass jar	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	# of containers	8 oz a 4 oz a 2 oz a Plast Non-Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit anTest Container rechlorate Kit	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	# of containers	8 oz a 4 oz a 2 oz a Plast Non-Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit inTest Container rechlorate Kit shpoint bottle her glass jar	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Laboratory Comments:	# of containers	Received at Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit anTest Container rechlorate Kit shpoint bottle her glass jar Other	
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	# of containers	8 oz a 4 oz a 2 oz a Plast Non-Co	amber/clear jar amber/clear jar amber/clear jar ic Bag / Ziploc SOC Kit anTest Container rechlorate Kit shpoint bottle her glass jar Other	# of containers

# Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	TLA	
2) The cooler or samples do not appear to have been compromised or tampered with.		
3) Samples were received on ice.		***************************************
4) Cooler Temperature is acceptable.		
5) Cooler Temperature is recorded.		
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.		
9) There are no discrepancies between the sample IDs on the container and the COC.		
10) Samples are received within Holding Time.		
11) Sample containers have legible labels.		
12) Containers are not broken or leaking.		
13) Air Cassettes are not broken/open.	A	
14) Sample collection date/times are provided.		
15) Appropriate sample containers are used.		
16) Proper collection media used.		
17) No headspace sample bottles are completely filled.		
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.		
19) Trip blanks provided if applicable.		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.		
21) Samples do not require splitting or compositing.		

Doc #277 Rev. 4 August 2013

Who notified of False statements? Log-In Technician Initials: Date/Time: Date/Time:

PCF 12/20/16 915



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