



New York State Department of Environmental Conservation – Division of Environmental Remediation

GLADDING CORDAGE SITE QUARTERLY REPORT

SITE 7-09-009

Fourth Quarter 2018

GLADDING CORDAGE SITE QUARTERLY REPORT - FOURTH QUARTER 2018

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ACRONYMS AND ABBREVIATIONS

Amsl above mean sea level

BTEX Benzene, toluene, ethylbenzene, and xylene.

Ft feet

GPM gallons per minute

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 2018 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 Site Management Plan (SMP) and 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 air stripper 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 volatile organic compounds (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-Trichloroethane (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 was intermittently shut down in October, November, and December due to power interruptions, resulting in system runtimes of 65 percent in October, 60 percent in November, and 81 percent in December. After each power failure, the system was restarted remotely and manually.

The average monthly flow rates and total flow volumes for the fourth quarter 2018 operating period are summarized in Table 3-1. As shown in Table 3-1, the reported average flow rate from recovery well RW-1 was 0.0 gallons per minute (GPM). However, the flow transmitter for RW-1 previously stopped working and will need to be replaced. Therefore, the flow total from RW-1 is greater than the values reported by the PLC. The average flow from RW-2 was approximately 24 GPM. Based on the total flow values, approximately 3.7 million gallons of water were treated and discharged to the Otselic River between October and December 2018. However, the actual treated volume is likely greater, but is being diminished by the lower flow meter readings from RW-1.

3.3 Treatment System Sampling

Influent and effluent groundwater samples were collected from the Gladding Cordage treatment system in accordance with the SMP and submitted to Contest Analytical following chain-of-custody protocols. Each sample was analyzed for 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 were measured at 47 micrograms per liter (ug/L) in October 2018, 35 ug/L in November 2018, and 35 (μg/L) in December 2018. The concentrations of 1,1,1-TCA for recovery well RW-2 were measured at 37 ug/L (October 2018), 29 ug/L (November 2018), and 29 μg/L (December 2018), which is consistent with or

lower than the third quarter 2018 concentrations of 1,1,1-TCA. Table 3-3 and Figure 3-1 show that the concentrations of 1,1,1-TCA in the samples from recovery wells RW-1 and RW-2 are within the range of historic concentrations and exceed the corresponding NYSDEC Class GA Standard of 5 μ g/L.

As shown in Tables 3-2 and 3-3, 1,1-dichloroethane (1,1-DCA), 1,1-dichloroethene (1,1-DCE), and bromomethane were detected in the fourth quarter 2018 samples from recovery wells RW-1 and RW-2. Consistent with previous results, the concentrations of these compounds were below the respective NYSDEC Class GA standard of 5 μ 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, bromomethane was detected at estimated concentrations in the November and December 2018 effluent samples at 0.82 J μ g/L and 0.93 J μ g/L, respectively.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 0.7 pound of VOCs were removed by the treatment system during the fourth quarter 2018.

4 GROUNDWATER MONITORING PROGRAM

Groundwater samples are collected on a five-quarter sampling interval in accordance with the SMP. Groundwater sampling was conducted October 24th and 25th, 2017 to provide information on groundwater quality, monitor contaminant migration in groundwater, and assess hydrogeologic site conditions, including groundwater flow. In October 2017 at the request of NYSDEC, groundwater samples were also analyzed for Perfluorinated Alkyl Substances (PFAS) by USEPA Method 537 Modified, and 1,4-Dioxane by USEPA Method 8260 SIM. Since PDBs are not appropriate for the collection of samples for analysis of PFAS, passive diffusion bag (PDBs) were not used during the fourth quarter 2017 sampling event. Samples were collected from monitoring wells using a peristaltic pump and dedicated PFAS-free sample tubing in accordance with USEPA low-flow sampling techniques. The next groundwater sampling event is scheduled to occur during the first quarter 2019.

5 RECOMMENDATIONS

Based on the data presented herein, there are no recommended changes to the operation of the treatment plant. The recovery well RW-1 flow transmitter will be repaired in February 2019.

6 SUMMARY

The Gladding Cordage groundwater treatment system was shut down in October, November, and December due to power interruptions. The average total flow through the treatment system during the fourth quarter 2018 was approximately 24 GPM. However, due to a faulty flow meter for RW-1, the total flow through the treatment system for this timeframe is likely under-reported.

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

Bromomethane was detected at estimated concentrations in the effluent samples collected from the treatment system.

The treatment successfully removes VOCs from groundwater extracted from the capture zone at the current VFD setting of 46 Hz. The VFD setting will continue to be evaluated based on system monitoring results.

Approximately 0.7 pounds of VOCs were removed by the treatment system during the fourth quarter 2018. However, the VOC removal mass is likely to be greater since the flow meter for RW-1 is not functioning properly.

Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the first quarter 2019.

7 REFERENCES

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 On-time		Flow Rates		Totalizer Totalizer		Recovery We	ell Total Flows	Total System	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-18	31	100%	100%	100%	18	24.2	60,433,982	58,414,531	747,042	999,814	1,746,856	
February-18	23	82%	100%	100%	19.3	23.7	61,058,149	59,201,714	624,167	787,183	1,411,350	4,833,473
March-18	29	94%	100%	100%	18.9	24	61,800,025	60,135,105	741,876	933,391	1,675,267	
April-18	4	13%	4%	4%	19	23.5	62,019,377	60,410,372	219,352	275,267	494,619	
May-18	0	0%	0%	0%	19.1	23.6	62,365,293	60,849,209	345,916	438,837	784,753	1,458,414
June-18	4	13%	4%	4%	18.3	23.5	62,442,457	60,951,087	77,164	101,878	179,042	
July-18	19	63%	100%	100%	17.8	23.6	62,731,304	61,333,323	288,847	382,236	671,083	
August-18	16	52%	100%	100%	19.6	23.9	63,023,435	61,929,590	292,131	596,267	888,398	3,206,285
September-18	ŭ .		100%	100%	0 *	24.6	63,770,477	62,829,352	747,042	899,762	1,646,804	
October-18	20	65%	100%	100%	0 *	24.5	64,059,324	63,724,027	288,847	894,675	1,183,522	
November-18	18	60%	100%	100%	0 *	23.5	64,351,455	64,451,177	292,131	727,150	1,019,281	3,695,708
December-18	25	81%	100%	100%	0 *	23.4	64,975,622	65,319,915	624,167	868,738	1,492,905	
Total Flow 201	8				16.7	23.8			4 083 537	5 414 635	9 498 172	

Total Flow 2018 16.7 23.8 4,083,537 5,414,635 9,498,172

Notes:

gpm - Gallons per minute

* - flow meter not reading properly

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

Sample ID	NYSDEC	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1	RW-1
Sampling Date	Class GA	10/23/2017	10/25/2017	10/26/2017	11/28/2017	12/29/2017	1/29/2018	2/26/2018	3/29/2018	6/22/2018	7/29/2018	8/27/2018	9/27/2018	10/19/2018	11/26/2018	12/16/2018
Matrix	Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs		- J											J			
1,1,1-Trichloroethane	5	34	37	37	38	41	38	40	37	41	42 J	45	47	47	35	35
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	1.6 J	1.8 J	1.8 J	1.9 J	1.7 J	1.5 J	1.6 J	1.3 J	1.9 J	1.7 J	1.8 J	1.6 J	1.7 J	1.6 J	1.7 J
1,1-Dichloroethene	5	0.74 J	0.74 J	0.74 J	0.98 J	0.97 J	0.84 J	0.87 J	0.77 J	0.85 J	0.79 J	1.0 J	0.99 J	1.0 J	0.96 J	0.98 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1	1.0 U	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	5.0 U	2.0 U	0.6 J	0.9 J						
Carbon Tetrachloride	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 UR-06	2.0 U							
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether		2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	5.0 U	5.0 U	5 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene Tetrachloroethene	5	2.0 U	2.0 U	2 U 2 U	2.0 U	2.0 U 2.0 U	2.0 U	2.0 U 2.0 U	2.0 U 2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U 2.0 U
Toluene	5	2.0 U	2.0 U		2.0 U		2.0 U			2.0 U	2.0 U 1.0 U	2.0 U				
trans-1.2-Dichloroethene	5	1.0 U 2.0 U	1.0 U 2.0 U	1 U 2 U	1.0 U 2.0 U											
trans-1,2-Dichloroethene	0.4	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		36.3	39.5	39.5	40.9	43.7	40.3	42.5	39.1	43.8	44.5	47.8	49.6	49.7	38.2	38.6
10101 4005		30.3	33.3	33.3	40.5	43.7	40.3	44.0	33.1	43.0	44.5	47.0	45.0	43.1	30.2	30.0

- Concentration exceeds corresponding | Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

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

Sample ID	NYSDEC	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2	RW-2
Sampling Date	Class GA	10/23/2017	10/25/2017	11/28/2017	12/29/2017	1/29/2018	2/27/2018	3/29/2018	6/22/2018	7/29/2018	8/27/2018	9/27/2018	10/19/2018	11/26/2018	12/16/2018
Matrix	Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	VOCs														
1,1,1-Trichloroethane	5	28	36	30	32	30	32	29	50	49	51	43	37	29	29
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	0.66 J	0.9 J	0.82 J	0.71 J	0.63 J	0.73 J	0.64 J	1.4 J	1.3 J	1.3 J	0.92 J	0.89 J	0.76 J	0.78 J
1,1-Dichloroethene	5	0.6 J	0.8 J	0.66 J	0.72 J	0.61 J	0.67 J	0.57 J	1.2 J	0.93 J	1.1 J	0.92 J	0.85 J	0.75 J	0.75 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.62 J	0.65 J
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		29.3	37.7	31.5	33.4	31.2	33.4	30.2	52.6	51.2	53.4	44.8	38.7	30.5	30.5

⁻ Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

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

Sample ID	NYSDEC	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)	EFF(46HZ)
Sampling Date	GA	10/23/2017	10/25/2017	11/28/2017	12/29/2017	1/29/2018	1/30/2018	2/26/2018	3/29/2018	6/22/2018	7/29/2018	8/28/2018	9/27/2018	10/19/2018	11/26/2018	12/16/2018
Matrix	Standard	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
VOCs			_	•		•							Ĭ			
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	0.82 J	0.93 J						
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U						
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U					
Trichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes

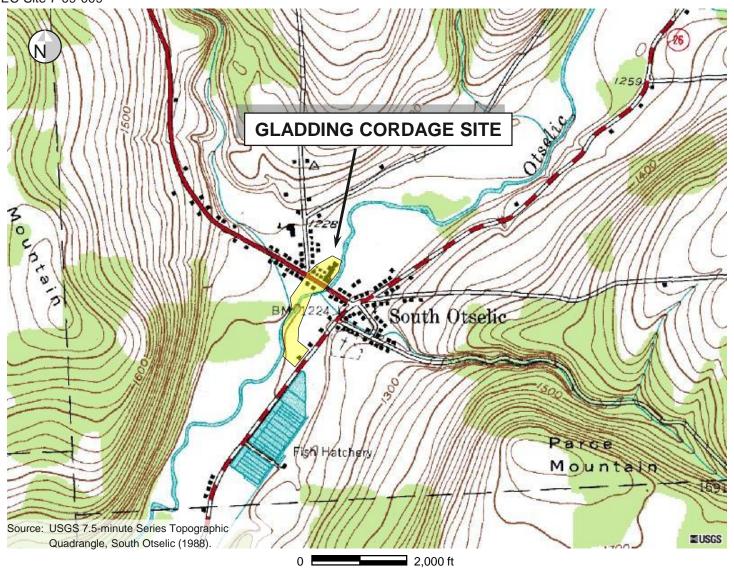
U - Not detected at the indicated concentration.
J - Estimated concentration.

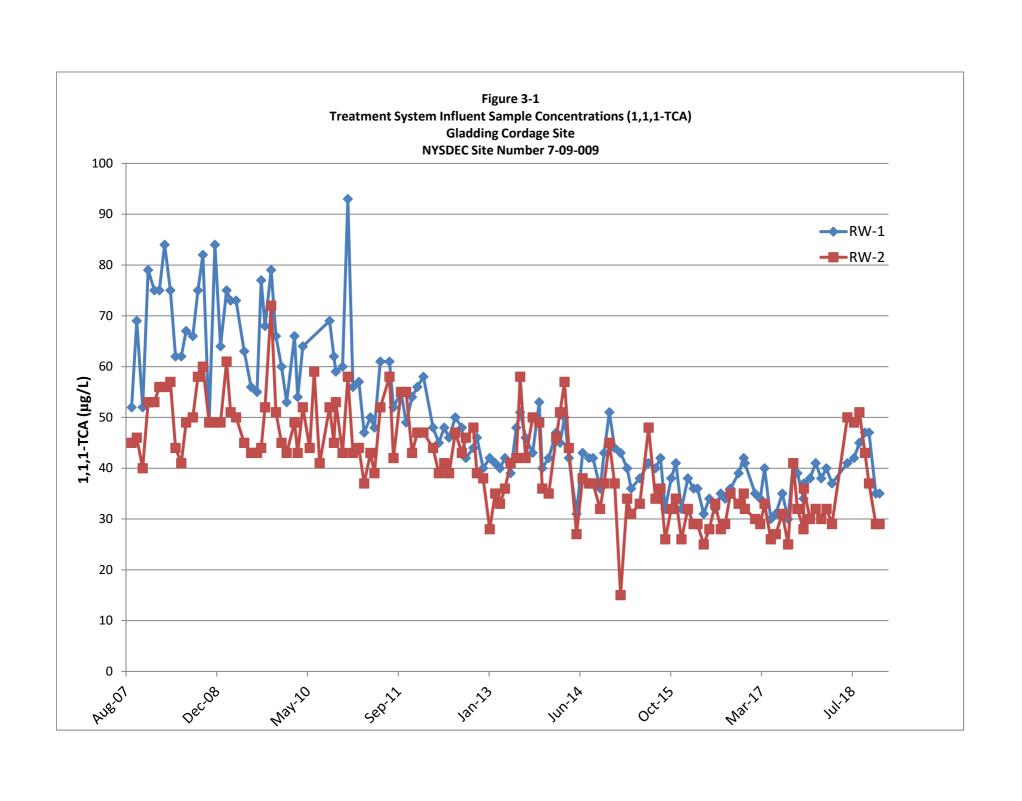
FIGURES

Figure 2-1 Site Location



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





APPENDIX A

PLC Facsimile Reports

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/01/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 62864539 GAL ASBPRS is H: 30.0 10.3 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 687983 HP FLO is **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.08 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.47AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.63 AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.33 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.64 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI 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 58.5DEG 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 10/02/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 62899699 GAL ASBPRS is H: 30.0 10.2 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 **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 H: AMPH: 10.00 W1_AMP is 4.43AMP 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 30.09 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.53 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 3.8 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 59.6DEG 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 10/03/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.6 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 62934651 GAL ASBPRS is 5.0 H: 30.0 10.2 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 687983 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is 1.2 PSI LIMITS are -2.0 PSI PSI HP AMP is 0.08 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.42AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.20 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 56.76 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.2 W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 2.6 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 60.0DEG 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 10/04/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 62969642 GAL $AS\overline{B}PRS$ is 5.0 H: 30.0 10.2 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 687983 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.08 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP 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 30.65 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.25 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 2.8 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 58.2DEG 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 10/05/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL 62990398 GPM TOTAL FLOW is GAL ASBPRS is 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 687983 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.09 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} are \mathbf{L} : 9.00 W2 LVL is 58.11 \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 54.9DEG 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:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 13:56:53 ON 10/05/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON 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 ON W1 GO is ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL 62990426 W2 FLO is 24.5**GPM** TOTAL FLOW is GAL ASBPRS is 9.6 LIMITS are H: 30.0 IWC IWC L: 5.0 IWC $ext{HP}$ $ext{FLO}$ is 0.00 **GPM** TOTAL FLOW is 687983 GAL H: 20.0 PRS is PSI LIMITS are \mathbf{L} : -2.0 PSI PSI 0.09 AMP is 0.00 AMP LIMITS AMP H: AMPare \mathbf{L} : W1 AMP is AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 4.64AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1 LVL is 30.87 \mathbf{FT} L: 8.00 \mathbf{FT} is M5_TAT 56.36 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} 4.2 \mathbf{PRS} is PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 3.3 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 60.8 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 10/06/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.6 GPM TOTAL FLOW is 63014074 GAL ASBPRS is H: 30.0 10.2 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.08 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1_AMP is 4.50AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.69AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.76 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.17 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 3.1 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 58.7DEG 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 10/07/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.2 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63049369 GAL $AS\overline{B}PRS$ is H: 30.0 10.1 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 687983 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.09 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.50AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.69AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.65 \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 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2_PRS is 1.7 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 10/08/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.6 GPM TOTAL FLOW is 63084608 GAL ASBPRS is H: 30.0 10.2 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.08 LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1_AMP is 4.38 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 30.70 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.93 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2_PRS is 1.0 PSI LIMITS are PSI PSI INTEMP is 61.3DEG 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 10/09/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL 63119777 GPM TOTAL FLOW is GAL ASBPRS is H: 30.0 10.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.08 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.39AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.58AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.55 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2_PRS is 0.6 PSI LIMITS are PSI PSI INTEMP is 64.0DEG 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:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 03:22:20 ON 10/10/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P23 : FAX REPORT INITIATED BY PROCESS 23

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON 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 ON W1 GO is ON W2 GO is ON 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 63023435 GAL W2FLO is 24.3 **GPM** TOTAL FLOW is 63151067 GAL LIMITS are H: 30.0 IWC ASBPRS is 10.1IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 0.00 **GPM** TOTAL FLOW is 687983 GAL H: 20.0 PRS is PSI LIMITS are \mathbf{L} : -2.0 PSI PSI 0.09 AMP is 0.00 AMP LIMITS are AMPH: AMP \mathbf{L} : W1 AMP is AMP LIMITS are 0.00 AMP H: 10.00 AMP $W2^{-}AMP$ is 4.68AMP LIMITS are L: 0.00 AMP H: 10.00 AMP W1_LVL is 30.29 H: 28.00 LIMITS are \mathbf{FT} \mathbf{FT} L: 8.00 \mathbf{FT} is M5_TAT 55.64 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{PRS} is 4.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 0.5 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 62.5 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 10/10/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P23 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON AIR HH is OFF W2_ALM is ON ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 24.7 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63154913 GAL ASBPRS is 10.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.14GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.08 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.43AMP 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 30.26 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.62 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 0.4 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 63.8DEG 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 10/11/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63186039 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 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 0.10 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 31.56 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.18 \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 65.0DEG 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 10/12/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63186039 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.09 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 32.27 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 58.24 \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 INTEMP is 59.4DEG 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 10/13/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63186039 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.09 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 31.88 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.84 \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 54.7DEG 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 10/14/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63186039 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 687983 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is 1.0 PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.09 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} 32.11 are \mathbf{L} : 9.00 W2 LVL is 57.67 \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 50.1DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



ALARM Fax Report EOS Research Lid ProControl Series II+

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 11:59:02 ON 10/14/2018 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON 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 ON W1 GO is ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL W2FLO is 24.2 **GPM** TOTAL FLOW is 63186068 GAL ASBPRS is 9.8 LIMITS are H: 30.0 IWC IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 0.00 **GPM** TOTAL FLOW is 687983 GAL H: 20.0 PRS is PSI LIMITS are \mathbf{L} : -2.0 PSI PSI 0.09 AMP is 0.00 AMP LIMITS AMPH: AMPare \mathbf{L} : W1 AMP is AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 4.62AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1 LVL is 30.55 \mathbf{FT} L: 8.00 \mathbf{FT} is M5_TAT 56.08 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{PRS} is 4.1PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 4.1PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 53.3 DEG LIMITS are \mathbf{L} : 42.0 DEG H: 130.0 DEG

Analog Outputs:

0.0 PCT ASBSPD

Compol Series EGS Research Ltd. Text Report

To

JEREMY WYCKOFF

From.

SYSTEM IN SOUTH OTSELIC MY @ 06:00:00 ON 10/15/2018 THE HYSDEC CLADDING - : NOM 2.1996 : NODEL $ilde{A}2$ EER NO 9605 : EETUP VER 1

System Status

LAST SHITTOWN @ 10:13:24 ON 08/15/2018 BY ASBVED AHTO P20 :

Discrete Inputs:

wil_crm lm on wilcom in on имможо 16 ом. ampure le ora HP OP is OFF ΛSP HH is OFF ASP LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Onlynds.

SMP_GO is OFF W1_ALM is ON is ON is ON W1 GO W2 GO ASB_GO is ON ASMOHH IN OFF ASMOLL is OFF AIR HH is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRST is OFF VFDRUN is OFF HPMPGO is ON

Analog Inputs

CDM W1 FLO is 0.0 TOTAL FLOW is 63023435 CAL $W2^{-}FLO$ is 24.8 **GPM** TOTAL FLOW IS 63212512 GAL ACBPRC io 10.3 LIHITE are H: 30.0 IWC 5.0 IWC: IWC \mathbf{L} : $\mathbf{L}_{\mathbf{r}}$ 8.88 200505 시민 11 TATEL PLAN 씨타로 H: 20.0 PET אחים יחוז 1a 1.2 PET LINTER are 2.0 PET is 0 04 LIMITS are 0.00IIP_AMP AMP **AMP** и. AMP T. H: 10.00 W1_AMP is 4.41AMP LIMITS. are 0.00 AMP AMP ь: 0.00 H: 10.00 W2_NIM 10 1.61MLIMITC arcLι ΜIE n_{100} 30.51 8.00 n: 28.00 wT_rar Is $\mathbf{E}^{-}\mathbf{T}^{-}$ LIMITS are ь: $\mathbf{E}^{-}\mathbf{T}^{-}$ $\mathbf{E}^{*}\mathbf{T}^{*}$ $W2^{-}LVL$ is 55.96FΤ 9.00 FΤ H: 52.00 FTTITMTTS are T_1 : በ 5 W1_PRS PST LIMITS PST H · 100 0 PST in 4 N are $T_1 =$ LIMITS are W2 DRS is 4.2 DSI L: 0.5 DSI H: 100.0 DSI INTEMP is 60.5DEG $T_1: 42.0$ DEGH: 130.0 DEG LIMITS are

ualor Outputs



Fels Reveareh Lea Est Republic

To

JEREMY WYCKOFF

l'rom:

SYSTEM TH SOUTH OTSELTC BY @ 06:00:00 ON 10/15/2018 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status

AUTO PEU 1 таят япитолия ы тисттера он ин/ть/рити их аявуро

Discrete Imputs

W1 CTR is ON W2 CTR 1s ON SMDCTR 16 OFF ASBVED is ON HP OP is OFF ASP IIII is OFF ASP_LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

DIM CO is OFF **U1** 00 is on TIO OO is on ROB CO As ON AIR IIII 1s OFF ASMPHH Is OFF ASMPLL Is OFF W1 ALM IS ON W2 ĀLM is OFF ASBALM is OFF ATE II. is OFF SMPALM is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 24.8 TOTAL FLOW is TOTAL FLOW is CPM 63023435 CAL 63212512 CVL CPH ASBPRS is 10.3 IWC LIMITS are $\mathbf{L}\colon \mathbf{5.0}$ IWC H: 30.0IWC HP_FLO is 0.00**GPM** TOTAL FLOW 600575 GALн: 20.0 HP PKS 15 1.2 ART LIMITS RTO -2.0 ART RRI HP_AMP V1_AMP ΛMP 0.00 ΛMP ΛMP 16 0.04 LIMITS are T.: H: II. 10.00 4.41 λHP LIHITO 0.00 λŀΨ λIIP io ат с И: 10.00 W2_AMP 0.00 18 4.64 AMP LIMITS are \mathbf{L} : AMP AMP 30.51 \mathbf{FT} LIMITS 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W1 LVL is ar e L:9.00 H: 52.00 W2_LVL 55.96 \mathbf{FT} \mathbf{FT} \mathbf{FT} is LIMITS are W1_PRS is 4.0 W2_PRS is 4.2 H: 100.0 H: 100.0 H: 130.0 0.5PST LIMITS are T_1 : PST PST _PRS is 4.2 PSTLIMITS 0.5PSTPSTare ь: INTEMP is 60.5 42.0 \mathbf{DEG} LIMITS are \mathbf{L} : DEG \mathbf{DEG}

Analog Outputs:

ASBSPU 0.0 PCT MAN

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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:

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

Analog Inputs:

W1 FLO is 0.0 **GPM** TOTAL FLOW is 63023435 GAL W2FLO is 24.5 **GPM** 63247793 TOTAL FLOW is GAL H: 30.0 IWC ASBPRS is 10.4 IWC LIMITS are L: 5.0 IWC HP_FLO is 0.00 **GPM** 689225 TOTAL FLOW is GAL PRS is 1.2 PSI LIMITS are \mathbf{L} : -2.0PSI H: 20.0 PSI HP_AMP 0.00 0.04LIMITS is AMP are AMPH: AMPW1 AMP 4.34 H: 10.00 is AMP LIMITS are 0.00 AMP AMP L:LIMITS 0.00 AMP H: 10.00 AMP W2 AMP is AMP are L:8.00 W1 LVL is 30.71 F.T. LIMITS are $\mathbf{F}^{*}\mathbf{T}^{*}$ н: 28.00 $\mathbf{F}^{*}\mathbf{T}^{*}$ н: 52.00 9.00 W2_LVL is 56.06 $\mathbf{F}\mathbf{T}$ LIMITS are $\mathbf{F}\mathbf{T}$ $\mathbf{F}\mathbf{T}$ ь: 0.5H: 100.0 $W1_PRS$ is 4.0PSI LIMITS are L:PSI PSI II: 100.0 $W2_{PRS}$ is 4.2PSI LIMITS are 0.5PSI PSI L!H: 130.0 TNTEMP is 56.5DEG LIMITS are 42.0 DEG DEG

Analog Outputs:



ProControl Series II....

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JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY 0.06:00:00 ON 10/16/2010 CER NO 9605 : CETUP VER 1 : NOH 2.1996 : HODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVED

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF
HP_OP is OFF AUP_HH is OFF AUP_LO is OFF PLRUMP is OFF
ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W2_GO is ON ASMPHH is OFF W2 GO W1 GO is ON ASB GO is ON SMP_GO is OFF W1_ĀĿM is ON AIR_HH is OFF ASMPLL IS OFF W2 ALM is OFF SMPALM is OFF ASBALM is OFF AIR_LL is OFF VEDRUN IS OFF VEDRST is OFF HPMPGO is ON

Anales Inputs

W1 FLO is 0.0 GPM TOTAL FLOW is 63023435 GAL $W2^{-}FLO$ is 24.5 GPM TOTAL FLOW is 63247793 GAL HIMITS are ASHPRS 18 TU.4 TWC TWC H: 30.0 TWC ե: 5.0 HP_FLO is 0.00 GPM TOTAL FLOW is 689225 GAL PRS PSI -2.0PSI H: 20.0 1s1.2 LIMITS are \mathbf{L} : PSI HP_AMP is 0.04 AMP LIMITS are T_1 : 0.00 AMP H: AMP 4.54 WI AMP 15 L: 0.00 H: IU.UU AMP AME LIMITS Are AMM W2 AMP is 4.59AMPLIMITS are L: 0.00 AMP H: 10.00 AMP 8.00 H: 28.00 30.71 $W1_LVL$ is \mathbf{FT} LIMITS are \mathbf{FT} \mathbf{FT} L:H: 52.00 H: 100.0 W2_LVL is W1_PRS is 9.00 56.06 \mathbf{FT} LIMITS are \mathbf{FT} \mathbf{FT} L:4.0PSI LIMITS areL:0.5PSI PSI W2_PRS is 4.2 II: 100.0 PSI 0.5 PSI PSI LIMITS are \mathbf{L} : INTEMP is 56.5DEG LIMITE are $L_1 = 42.0$ DEGH. 130.0 \mathbf{DEG}

Analog Outputs:



ProControl Series II+ EOS Research Ltd. Fox Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY \oplus 06:00:00 ON 10/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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:

Wl_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF
AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is ON
W2_ALM is OFF ASHALM is OFF SMPALM is OFF AIR_LL is OFF
VFDRUN is OFF VFDRST is OFF HPMPGO is ON

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 24. TOTAL FLOW is **GPM** 63023435 GAL 24.5 **GPM** TOTAL FLOW is 63247793 GAL ASBPRS is 10.4ь: 5.0 H: 30.0 TWC LIMITS are TWC TWC HP FLO is 0.00 TOTAL FLOW is 689225 GPM GAL HP PRS is PSI LIMITS are -2.0 PSI H: 20.0 PSI HP_ΛMP is 0.04 ΛMP LIMITS are 0.00 ΛMP ΛMP T.: **H**: W1_AMP is W2 AMP is H: 10.00 H: 10.00 4.34 AMP LIMITS are 0.00 AMP AMP L: AMP LIMITS are 0.00 AMP AMP W1 LVL is H: 20.00 30.71 \mathbf{FT} LIMITS 0.00 \mathbf{FT} are \mathbf{L} : \mathbf{FT} W2LVL is 56.06 \mathbf{FT} 9.00 \mathbf{FT} II: 52.00 \mathbf{FT} LIMITS are \mathbf{L} : L: 0.5 H: 100.0 W1_PRS is 4.0 PSI LIMITS are PSI PSI W2_PRS is 4.2 LIMITS are L: 0.5PSI H: 100.0 PSI PSI **ዘ** · 13በ በ TNTRMD is 56 5 DEG LIMITS are 42 N DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/17/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63283054 GAL $AS\overline{B}PRS$ is H: 30.0 10.4 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 690087 HP FLO is **GPM** GAL -2.0 H: 20.0 HP PRS is PSI LIMITS are PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.35AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.31 \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 4.0PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.3 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 57.7DEG 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 10/18/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63303302 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 690531 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.96 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 32.25 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : W2 LVL is 9.00 57.46 \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 49.3DEG 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 10/19/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63303302 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 690531 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.97 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} are \mathbf{L} : 57.29 9.00 W2 LVL is \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 45.5DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



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

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:26:07 ON 10/19/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP ASP_LO is OFF is ON 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 ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL W2FLO is 24.3 **GPM** TOTAL FLOW is 63303331 GAL LIMITS are H: 30.0 IWC ASBPRS is 10.1IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 2.48 **GPM** TOTAL FLOW is 690534 GAL PRS is H: 20.0 10.2 PSI LIMITS are L:-2.0 PSI PSI AMP is 4.290.00 AMP LIMITS AMPH: AMPare \mathbf{L} : W1 AMP is 4.39 AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 4.65AMP LIMITS are L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1 LVL is 30.46 \mathbf{FT} L: 8.00 \mathbf{FT} is M5_TAT 55.89 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{PRS} is 4.0PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is 4.5 H: 100.0 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 45.6 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 10/20/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63337937 GAL ASBPRS is L: 5.0 H: 30.0 10.2 LIMITS are IWC IWC IWC TOTAL FLOW is 691098 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 4.41AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.66AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 29.95 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 55.58 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI 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 60.2DEG 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 10/21/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.4 GPM TOTAL FLOW is 63373097 GAL ASBPRS is L: 5.0 H: 30.0 10.5 LIMITS are IWC IWC IWC TOTAL FLOW is 691606 HP FLO is 2.44 **GPM** GAL 9.9 H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 5.01 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.41AMP 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 30.16 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.68 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI 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 57.3DEG 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 10/22/2018

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

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.6 GPM TOTAL FLOW is 63408183 GAL ASBPRS is H: 30.0 10.5 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 692368 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 4.31AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.38 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.55 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is 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 INTEMP is 59.5DEG 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 10/23/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.5 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63443200 GAL ASBPRS is H: 30.0 10.4 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 692954 HP FLO is 2.46 **GPM** GAL 9.9H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is LIMITS are 5.02 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.33AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.11 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.45 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI 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 58.3DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



ProControl Series II+ EOS Research Lea Fox Rejust

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/24/2010 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVED

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 24. ASBPRS is 10. **GPM** TOTAL FLOW is 63023435 GAL 24.6 **GPM** TOTAL FLOW is 63478191 GAL H: 30.0 TWC: 10.4 LIMITS are TWC: TWC T_1 : 693527 HP FLO is 0.00 **GPM** TOTAL FLOW is GAL 1.2LIMITS are L: -2.0HP PRS is PSI H: 20.0 PSI PSI $HP^{\top}\Lambda MP$ is 0.04 ΛMP $T_{i}: 0.00$ ΛMP LIMITS are **H**: ΛMP 4.34 H: 10.00 W1 AMP is AMP LIMITS are L: 0.00 AMP AMP H: 10.00 W2_AMP is L: 0.00AMP LIMITS are AMP. AMP W1_LVL is H: 28.00 30.54 \mathbf{FT} LIMITS are 8.00 \mathbf{FT} \mathbf{FT} L:W2_LVT 1s 55.83 W1_PRS is 4.0 W2_PRS is 4.4 H: 52.00 FT 9.00 FT FT LIMITS are T_{i} : H: 100.0 0.5 \mathbf{L} : PSI PSI LIMITS are PSI H: 100.0 PSI LIMITS are \mathbf{L} : 0.5PSI PSI INTEMP is 57.6DEG LIMITS are L: 42.0DEG H: 130.0 DEG

Analog Outputs:

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/24/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

w1_CTR is ONW2_CTR is ONASBVED is ONSMPCTR is OFFHP_OP is OFFASP_LO is OFFFLRSMP is OFFACFAIL is OFFE_STOP is OFF

Discrete Outputs:

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF
AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is ON
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 0.0 GPM TOTAL FLOW is 63023435 GALW2_FLO is 24.6 TOTAL FLOW is 63478191 GPM GAL ASBPRS is 10.4 H: 30.0 IWC LIMITS are L: 5.0IWC IWC HP FLO is 0.00 GPM TOTAL FLOW is 693527 GAL H: 20.0 HP PRS is 1.2 PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.04AMP LIMITS are 0.00 AMP H: AMP $\mathbf{L}:$ W1_AMP W2_AMP 10.00 4.34 Λ MD LIMITS are0.00 ΛMD \mathbf{H} : Λ MP is L:H: 10.00 0.00 is LIMITS AMPareAMPAMPW1 LVL is 30.54 \mathbf{FT} LIMITS are 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} T.: W2 LVL is \mathbf{FT} LIMITS 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} areH: 100.0 LIMITS L: 0.5PSI W1_PRS is PSI PSI 4.0areH: 100.0 H: 130.0 W2_PRS is 4.4 PSI LIMITS are L: 0.5 PSI PSI INTEMP is 57.6DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

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EOS Research Ltd.

Fax Report

To.

JEREMY WYCKOFF

From:

THE NYEDEC GLADDING EYETEM IN ECHTH OTHERLIC NY \S 05:00:00 ON 10/25/2018 GER NO 9605 : GETUP VER 1 \odot : ROH 2.1996 : HODEL A2

System Status:

AUTO P20 . LAST SHUTDOWN @ 10.13.24 ON 0U/15/2010 BY ASBVFD

Discrete Inputs:

Discrete Ocapiats

W1_GO is ON W2_GO is ON ASB_GO is ON SMP_GO is OFF ATB_HH is OFF ASMPHH is OFF ASMPHH is OFF ASMPHH is OFF W1_ALM is ON W1_OLM is OFF W1_ALM is ON WFDRIN is OFF WFDRST is OFF HPMPGO is ON

Analog Inputs:

W1 FEG IS 8.8 CPM 63823435 TOTAL FLOW IN GAT CPM WY_FLO 16 Y4.5 TOTAL FLOW 16 63513259 CVT ASBPRS is 10.5 H: 30.0INC IWC LIMITS are \mathbf{L} : 5.0 INC 694261 HP FT∩ is 0 00 GPM TOTAL FLOW is GAL H: 20.0 HP PRS is 1.2 PSI LIMITS are -2.0**PST** RST**L**: HP AMP 18 U.U4 L: U.UU AMP LIMITS are AMP н: AMP 1.55 4. 8.88 ... 18.88 ..1_..... ий Тами н. 40.00 4.60LIMITS are 0.00 AHP AHP AHP H 28 00 W1_T.VI. in 30 84 FФ LINTER are T 8 00 FФ FФ wż_LvL is 56.00 $\mathbf{E}^{*}\mathbf{T}^{*}$ LIMITS are ь: 9.00 $\mathbf{E}^{*}\mathbf{T}^{*}$ н: 52.00 $\mathbf{E}^{*}\mathbf{T}^{*}$ # · 100 በ W1_PR5 In 4 1 P5T LIMITS are T₁ ለ 5 PST PST WY DRS is 4.4 POI LIMITS are L: = 0.5POI H: 100.0 POI I.. **ДФ.**.¶ ... [81.1 ... 17 . 1

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC CLADDING SYSTEM IN SOUTH OTSELIC NY (6,06:00:00] ON 10/25/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 FLR9MP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

W1_GO ls ON W2_GO ls ON A5B_GO ls ON 5MP_GO ls OFF
AIR_HH is OFF A8MDHH is OFF A8MDLL is OFF W1_ALM is OFF
W2_ALM is OFF A8BALM is OFF SMPALM is OFF AIR_LL is OFF
VFDRUN is OFF VFDRST is OFF HPMPCO is ON

Analog Inputs:

W1_FLO is 0.0 W2_FLO is 24.5 63023435 CPM TOTAL FLOW is CVL **GPM** TOTAL FLOW is 63513259 GAL ASBPRS is 10.5 L: 5.0 H: 30.0 LIMITS are IWC IWC IWC TOTAL FLOW 694201 HP FIA is A AA GPM GAL HP PRS is 1.2 PSI LIMITS are L: -2.0PSI H: 20.0 PSI HP_AMP 15 U.U4 AMP LIMITS are ь: U.UU AMP **H**: AMP _AMP H: 10.00 4.360.00 **i**5 AMP LIMITS are L:AMP AMP AMP is 4.60 **AMP** LIMITS are 0.00AMP H: 10.00 AMP W1 LVL is H: 28.00 30.84 \mathbf{FT} LIMITS are \mathbf{FT} \mathbf{FT} T_1 : 8.00 W2 LVL is \mathbf{FT} 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} 56.00 LIMITS are L:L: 0.5 II: 100.0 $W1_PR9$ is 4.1POI LIMITS are POI P3IH: 100.0 H: 130.0 W2_PRS is 4.4 LIMITS are L: 0.5 PSI PSI PST L: 42.0 INTEMP is 57.9DEG LIMITS are DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/26/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63548315 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 694930 HP FLO is 2.42 **GPM** GAL 9.9H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 4.93LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1_AMP is 4.31 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 30.62 \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 4.1PSI 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 57.1DEG 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 10/27/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.2 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63583382 GAL ASBPRS is H: 30.0 10.4 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 695556 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 4.41AMP 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 30.32 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 55.72 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI 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 59.2DEG 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 10/28/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63618544 GAL ASBPRS is L: 5.0 H: 30.0 10.4 LIMITS are IWC IWC IWC TOTAL FLOW is 696228 HP FLO is 2.44 **GPM** GAL 9.9H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is LIMITS are 5.04 AMP L: 0.00AMP н: AMPH: 10.00 4.39 W1_AMP is AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.60AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.56 \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} 4.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 58.8DEG 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 10/29/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63653759 GAL ASBPRS is L: 5.0 H: 30.0 10.3 LIMITS are IWC IWC IWC TOTAL FLOW is 696813 HP FLO is 2.46 **GPM** GAL 9.9H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is LIMITS are 5.12 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.32AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.27 \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} 4.1W1 PRS is PSI 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 60.0DEG 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 10/30/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63688910 GAL $AS\overline{B}PRS$ is L: 5.0 H: 30.0 10.4 LIMITS are IWC IWC IWC TOTAL FLOW is 697414 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 4.32AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.33 \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 4.1PSI 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 60.3DEG 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 10/31/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.5 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63724027 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 698079 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 4.33AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.10 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.31 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI 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 59.7DEG 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 11/01/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.6 GPM TOTAL FLOW is 63759087 GAL ASBPRS is L: 5.0 H: 30.0 10.3 LIMITS are IWC IWC IWC TOTAL FLOW is 698483 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 H: AMPH: 10.00 W1_AMP is 4.35AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.82 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.17 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2_PRS is 4.4 PSI LIMITS are PSI PSI $\overline{\text{INTEMP}}$ is 61.1DEG 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 11/02/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63794143 GAL ASBPRS is L: 5.0 H: 30.0 10.0 LIMITS are IWC IWC IWC TOTAL FLOW is 698891 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 4.41AMP 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 30.61 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.10 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 LIMITS are L: 0.5 W2_PRS is 4.4 PSI 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 11/03/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.2 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63829234 GAL ASBPRS is L: 5.0 H: 30.0 10.3 LIMITS are IWC IWC IWC 0.00 TOTAL FLOW is 699206 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 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.83 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.44 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5 W2_PRS is 4.3 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 11/04/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63864343 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 699776 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 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.71 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 56.53 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI 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 61.4DEG 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 11/05/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23. **GPM** 63023435 TOTAL FLOW is GAL 23.8 GPM TOTAL FLOW is 63899401 GAL ASBPRS is H: 30.0 10.5 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 700277 HP FLO is 2.44 **GPM** GAL 9.9H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI LIMITS are HP AMP is 5.10 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.37 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.25 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.0PSI 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 61.4DEG 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 11/06/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL 63934405 GPM TOTAL FLOW is GAL ASBPRS is 10.3 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 700776 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 4.38 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 30.90 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.15 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI 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 62.7DEG 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 11/07/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63953284 GAL ASBPRS is 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 700980 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.95 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} : W2 LVL is 9.00 57.96 \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 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 11/08/2018

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

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63953284 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 700980 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.95 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} are \mathbf{L} : 57.71 9.00 W2 LVL is \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 61.5DEG 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 11/09/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63953284 GAL ASBPRS is 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 700980 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.95 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 32.56 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.58 \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 59.0DEG 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 11/10/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63953284 GAL ASBPRS is 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 700980 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.95 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} are \mathbf{L} : 9.00 W2 LVL is 57.92 \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 59.5DEG 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 11/11/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 63953284 GAL ASBPRS is 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 700980 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP AMP is 0.95 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 32.81 \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} 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 59.2DEG 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 11/15/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64073830 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 703716 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is 1.0 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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 32.76 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.48 \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 57.3DEG 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 11/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64073830 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 703716 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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} 31.86 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 INTEMP is 58.9DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



ALARM Fax Report EOS Research Lid ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:16:21 ON 11/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP ASP_LO is OFF is ON 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 ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL W2FLO is 24.7 **GPM** TOTAL FLOW is 64073859 GAL LIMITS are H: 30.0 IWC ASBPRS is 10.1IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 2.46 **GPM** TOTAL FLOW is 703718 GAL PRS is H: 20.0 10.1 PSI LIMITS are \mathbf{L} : -2.0PSI PSI AMP is 0.00 AMP LIMITS AMP H: AMPare \mathbf{L} : W1 AMP is AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is AMP LIMITS L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1 LVL is 30.26 \mathbf{FT} L: 8.00 \mathbf{FT} is M5_TAT 55.81 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} 4.3 \mathbf{PRS} is PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 4.7PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 58.6 DEG LIMITS are \mathbf{L} : 42.0 DEG H: 130.0 DEG

Analog Outputs:

0.0 PCT ASBSPD



ALARM Fax Report ProControl Series II+

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:21:00 ON 11/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY KEYPAD

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON SMPCTR is OFF HP_OP ASP_LO is OFF is ON 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 ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL W2 FLO is 24.1**GPM** TOTAL FLOW is 64073972 GAL LIMITS are H: 30.0 IWC ASBPRS is 10.6 IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 2.46 **GPM** TOTAL FLOW is 703730 GAL PRS is 9.9H: 20.0 PSI LIMITS are \mathbf{L} : -2.0 PSI PSI 4.90 AMP is 0.00 AMP LIMITS \mathbf{L} : AMPH: AMPare4.36 W1 AMP is AMP LIMITS are 0.00 AMP H: 10.00 AMP W2 AMP is 4.57AMP LIMITS are L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1_LVL is 30.12 \mathbf{FT} L: 8.00 \mathbf{FT} $W2_LVL$ is 55.74 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} 4.2 \mathbf{PRS} is PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 4.6PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 58.9DEG 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 11/17/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.2 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64099652 GAL ASBPRS is H: 30.0 10.4 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 704329 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 4.44AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.66AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.65 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.77 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 59.5DEG 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 11/18/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.8 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64134491 GAL ASBPRS is 10.8 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 705129 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.38 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 30.66 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is -55.41 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 LIMITS are L: 0.5 W2_PRS is 4.5 PSI PSI PSI INTEMP is 57.8DEG 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 11/19/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24. **GPM** 63023435 TOTAL FLOW is GAL 24.4 GPM TOTAL FLOW is 64169295 GAL ASBPRS is H: 30.0 10.5 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 705902 HP FLO is GPM GAL H: 20.0 **HP PRS is 10.1** PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 5.10 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.40AMP 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 30.38 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.28 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 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 INTEMP is 60.1DEG 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 11/20/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64204106 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 706602 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 4.39 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 30.42 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.68 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 57.1DEG 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 11/21/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64238908 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 707411 HP FLO is GPM GAL H: 20.0 HP PRS is 1.3PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.37AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.23 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.30 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 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 INTEMP is 58.2DEG 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 11/22/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.9 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64273690 GAL ASBPRS is H: 30.0 11.1 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 708650 HP FLO is 2.41 GPM GAL 9.9 H: 20.0 HP PRS is PSI LIMITS are -2.0 PSI PSI HP_AMP is 4.91LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.88 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.89 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 52.7DEG 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 11/23/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.9 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64308142 GAL ASBPRS is H: 30.0 11.5 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is HP FLO is 2.42 **GPM** 710513 GAL 9.9 H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI 4.87HP_AMP is LIMITS are AMP L: 0.00AMP H: AMPH: 10.00 W1_AMP is 4.37AMP 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} : 55.98 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 LIMITS are L: 0.5 W2_PRS is 4.6 PSI PSI PSI INTEMP is 52.7DEG 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 11/24/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.7 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64342453 GAL ASBPRS is 10.8 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 711900 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.37AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.63 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.81 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 53.8DEG 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 11/25/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.7 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64376722 GAL ASBPRS is 10.5 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is HP FLO is 0.00 **GPM** 712721 GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.41AMP 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 30.35 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.60 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 59.8DEG 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 11/26/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23. **GPM** 63023435 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 64411101 GAL ASBPRS is 10.5 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 713464 TOTAL FLOW is HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.66 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.81 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI 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 58.5DEG 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 11/27/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64445562 GAL ASBPRS is H: 30.0 10.4 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is HP FLO is 0.00 **GPM** 714173 GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.35AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.83 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.56 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.1W1 PRS is PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 LIMITS are L: 0.5 PSI PSI PSI INTEMP is 57.0DEG 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 11/28/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

W1_CTR is OFF W2_CTR is OFF ASBVFD is OFF SMPCTR is OFF SMPCTR 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 AIR_HH is OFF ASBALH is OFF ASBALH is OFF W1_ALM is OFF W2_ALH is OFF ASBALH is OFF SHPALH is OFF AIR_LL is OFF VFDRUN is OFF VFDRST is OFF HPMPCO is OFF

Analog Inputs:

W1 FLO is 0.0GPM TOTAL FLOW is 63023435 GAL $W2^{-}FLO$ is 0.0 TOTAL FLOW is GPM 64451177 GAL ASBPRS is 0.2 H: 30.0LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 714296 HP FLO is GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP_AMP is 0.95 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: 20.00 \mathbf{FT} LIMITS 0.00 \mathbf{FT} 32.02 \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 58.17 \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 W2_PRS 1s 0.0 PST LIMITS are $T_1: 0.5$ PST PST INTEMP is 56.1DEG LIMITS are L: 42.0DEG H: 130.0DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/28/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

W1_CTR is OFF W2_CTR is OFF ASBVFD is OFF 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 OFF W2 GO is OFF ASB_GO is OFF AIR_HH is OFF ASMPHH is OFF ASMPLL is OFF W1_ALM is OFF W2_ALM is OFF VFDRUN is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1 FLO is 0.0 GPM TOTAL FLOW is 63023435 GAL W2FLO is 0.0 TOTAL FLOW is 64451177 GPM GAL ASBPRS is 0.2 IWC LIMITS are L: 5.0IWC H: 30.0 IWC HP_FLO is 0.00 GPM TOTAL FLOW is 714296 GAL HP_PRS is 1.2 PSI LIMITS are -2.0PSI H: 20.0 PSI \mathbf{L} : HP_AMP W1_AMP is 0.95AMP LIMITS are \mathbf{L} : 0.00 AMP H: AMP H: 10.00 0.01 0.00 is AMPLIMITS areL:AMPAMPLIMITS H: 10.00 W2 AMP 0.00 0.00 is AMP AMP AMP are L:W1 LVL is \mathbf{FT} LIMITS 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} 32.82 areW2_LVL 9.00 H: 52.00 is 58.17 \mathbf{FT} LIMITS are \mathbf{FT} \mathbf{FT} H: 100.0 PSI LIMITS 0.5PSI PSI $W1_PRS$ is 0.0are \mathbf{L} : W2_PRS 1s 0.0 INTEMP is 56.1 H: 100.0 H: 130.0 0.5 PSI PSI LIMITS are \mathbf{L} : PSI $T_1: 42.0$ DEGLITMITS are DEG DEG

Analog Outputs:

JEREMY WYCKOFF

trom

THE NYSDEC CLADDING SYSTEM IN SOUTH OTSELIC NY (∅ 06:00:00 ON 11/29/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

SMP_GO is OFF W1_ALM is OFF is OFF W1_GO is OFF W2 GO ASB_GO is OFF AIR_HH is OFF W2_ALM is OFF ASMPHH 1s OFF ASMPLL is OFF ASBALM is OFF SMPALM is OFF $AT\overline{R}_{-}LL$ is OFF VFDRUN is OFF VFDRST is OFF HPMPGO is OFF

Analog Inputs:

W1 FLO is 0.0 GPM 63023435 TOTAL FLOW is GAL 64451177 W2 FLO is 0.0 GPM TOTAL FLOW is GAL ASBPRS is 0.2 IWC LIMITS are H: 30.0 IWC \mathbf{L} : 5.0 IWC 0.00 **GPM** 714296 HP FLO is TOTAL FLOW is GAL HP PRS H: 20.0 PST -2.0PST is LIMITS are PST HP_AMP 0.94 0.00 is LIMITS are AMPAMP H: AMP \mathbf{L} : W1 AMP is 0.01 AMP LIMITS are 0.00 AMP H: 10.00 AMP $\mathbf{L}:$ W2 AMP is AMP LIMITS are0.00 AMP H: 10.00 AMP 33.22 8.00 $\mathbf{E}^{*}\mathbf{T}^{*}$ H: 28.00 MT_TAT LIMITS is $\mathbf{F}_{\cdot \cdot}\mathbf{T}_{\cdot \cdot}$ are $\mathbf{F}_{c}\mathbf{T}_{c}$ H: 52.00 H: 100.0 W2_LVL iε 58.32 \mathbf{FT} LIMITS are 9.00 \mathbf{FT} \mathbf{FT} Τ. • PRS is 0.0 PSI LIMITS are 0.5PSI PSI L:W2 PRS is H: 100.0 0.5 0.0 PSI LIMITS are \mathbf{L} : PSI PSI INTEMP is 58.6DEG LIMITS are 42.0 DEG H: 130.0 DEG \mathbf{L} :

Analog Outputs:

0.0 PCT MAN ASBSPD

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/29/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVED

Discrete Inputs:

W1_CTR is OFF W2_CTR is OFF ASBVED 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:

is OFF SMP_GO is OFF $W1_GO$ $W2_GO$ is OFF ASB_GO is OFF AIR HH is OFF ASMPHH is OFF W1_ALM is OFF ASMPLL is OFF SMPALM is OFF W2 ALM is OFF ASBALM is OFF AIR LL is OFF HPMPGO is OFF VFDRUN 1s OFF VFDRST is OFF

Analog Inputs:

GPM TOTAL FLOW is 63023435 W1 FLO is 0.0GAL W2FLO is 0.0 **GPM** TOTAL FLOW is 64451177 GAL H: 30.0 ASBPRS is 0.2 IWC IWC LIMITS are L: 5.0IWC GPM HP_FLO is 0.00 714296 TOTAL FLOW is GAL HP_PRS HP_AMP LIMITS are -2.0PSI H: 20.0 PSI is 1.1 PSI L:0.94is AMP LIMITS are 0.00 AMP**H**: AMPW1 AMP H: 10.00 1s0.01 0.00 AMP LIMITS are AMP AMP L:LIMITS are 0.00 H: 10.00 W2 AMP is 0.00AMP AMP AMP T. : 33.22 LIMITS are W1 LVL is \mathbf{FT} L: 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is -58.32 \mathbf{FT} LIMITS are 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} H: 100.0 H: 100.0 H: 130.0 $W1_PRS$ is 0.0PSI LIMITS are 0.5PSI PSI ь: W2 PRS is 0.0 PSI LIMITS 0.5 PSI PSI are \mathbf{L} : INTEMP is 58.6 DEG L: 42.0 DEG DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/30/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 714296 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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 32.98 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.67 \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 60.9DEG 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 12/01/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 714296 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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 33.00 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 57.50 \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 59.3DEG 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 12/02/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 714296 HP FLO is GPM GAL H: 20.0 HP PRS is 1.0 PSI LIMITS are L: -2.0PSI PSI HP_AMP is 0.95 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 33.06 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 58.07 \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 61.4DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/03/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 714296 HP FLO is GPM GAL H: 20.0 HP PRS is 1.0 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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 33.79 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 58.87 \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 61.3DEG 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 12/04/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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:

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

Analog Inputs:

W1 FLO is 0.0 GPM TOTAL FLOW is 63023435 GAL W2 FLO is 0.0 GPM TOTAL FLOW is 64451177 GALH: 30.0 ASBPRS is 0.2 IWC LIMITS are 5.0 IWC IWC \mathbf{L} : HP FLO is 0.00 **GPM** TOTAL FLOW is 714296 GAL HP PRS is -2.0H: 20.0 PSI PSI LIMITS are PSI HP_AMP is L: 0.00 AMPLIMITS are AMP H: AMP 0.01 0.00 H: 10.00 W1 AMP is AMP LIMITS areAMP AMP \mathbf{L} : 0.00 W2 AMP is AMP LIMITS areAMP H: 10.00 AMP H: 28.00 34.22 8.00 W1 LVL is \mathbf{FT} LIMITS are \mathbf{FT} \mathbf{FT} H: 52.00 H: 100.0 H: 100.0 $W2_LVL$ is 58.96 \mathbf{FT} LIMITS are \mathbf{L} : 9.00 \mathbf{FT} \mathbf{FT} W1_PRS is 0.0 W2_PRS is 0.0 PSI LIMITS are \mathbf{L} : 0.5PSI PSI PSI LIMITS are \mathbf{L} : 0.5PSI PSI $IN\overline{T}EMP$ is 58.3H: 130.0 DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/04/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 714296 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.94 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 34.22 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 58.96 \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 58.3DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/05/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 SMPALM is OFF W2_ALM is OFF 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** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64451177 GAL ASBPRS is H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 714296 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.95 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 33.79 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 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 INTEMP is 55.3DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:



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

EOS Research Ltd.

To:

JEREMY WYCKOFF

From:

SYSTEM IN SOUTH OTSELIC NY @ 14:15:39 ON 12/05/2018 THE NYSDEC GLADDING SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

vstem Status:

LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD P20 :

FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVFD is ON 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 ON W1 GO is ON W2 GO is ON ASB GO is ON AIR HH is OFF ASMPHH is OFF ASMPLL is OFF AIR_LL is OFF W2 ALM is OFF 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 63023435 GAL W2FLO is 24.5 **GPM** TOTAL FLOW is 64451205 GAL LIMITS are H: 30.0 IWC ASBPRS is 10.3 IWC IWC L: 5.0 $ext{HP}$ $ext{FLO}$ is 2.28 **GPM** TOTAL FLOW is 714297 GAL PRS is H: 20.0 10.0 PSI LIMITS are L:-2.0 PSI PSI \mathtt{AMP} is 4.760.00 AMP LIMITS \mathbf{L} : AMPH: AMPareW1 AMP is 4.37 AMP LIMITS are 0.00 AMP H: 10.00 AMP $W2^-AMP$ is AMP LIMITS are L: 0.00 AMP H: 10.00 AMP H: 28.00 LIMITS are \mathbf{FT} W1_LVL is 32.16 \mathbf{FT} L: 8.00 \mathbf{FT} $W2_LVL$ is 56.99 \mathbf{FT} LIMITS areL:9.00 \mathbf{FT} H: 52.00 \mathbf{FT} \mathbf{PRS} is 4.3PSI LIMITS are L:0.5PSI н: 100.0 PSI W2 PRS is H: 100.0 4.7 PSI LIMITS are \mathbf{L} : 0.5 PSI PSI INTEMP is 59.9 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 12/06/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.0 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64474117 GAL ASBPRS is H: 30.0 10.9 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 715078 HP FLO is **GPM** GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.38 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 31.78 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.86 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI 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 55.9DEG 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 12/07/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.6 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64509048 GAL ASBPRS is H: 30.0 10.7 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 715935 HP FLO is **GPM** GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.34 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 31.70 \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} 4.2 W1 PRS is 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 54.6DEG 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 12/08/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64544004 GAL $AS\overline{B}PRS$ is H: 30.0 11.1 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 716276 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.41AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.61AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.62 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.50 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} 4.2 W1 PRS is 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 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 12/09/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64578896 GAL ASBPRS is H: 30.0 11.1 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is HP FLO is **GPM** 716614 GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.47AMP 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 31.48 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.40 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 52.4DEG 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 12/10/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64613651 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 716983 HP FLO is **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP 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 31.03 \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 4.3PSI 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 52.7DEG 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 12/11/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 24.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64648419 GAL ASBPRS is H: 30.0 10.8 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 717320 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.37AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.92 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 55.96 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 52.9DEG 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 12/12/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64682813 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is HP FLO is 0.00 **GPM** 717667 GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.76 \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 4.2 PSI 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 52.8DEG 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 12/13/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.1 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64716326 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 717990 HP FLO is **GPM** GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.41AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.87 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.81 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 LIMITS are L: 0.5 W2_PRS is 4.6 PSI PSI PSI INTEMP is 53.3DEG 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 12/14/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64749891 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 718304 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP 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 30.95 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 55.72 9.00 W2 LVL is \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areL: 0.5 H: 100.0 W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 54.3DEG 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 12/15/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64783452 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 0.00 TOTAL FLOW is 718584 HP FLO is **GPM** GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.61AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.83 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.79 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 55.6DEG 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 12/16/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 22.7 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64817006 GAL $AS\overline{B}PRS$ is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 0.00 TOTAL FLOW is 718787 HP FLO is **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.42AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.58AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.43 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.30 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 L: 0.5 PSI LIMITS are PSI PSI INTEMP is 56.4DEG 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 12/17/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.2 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64850513 GAL ASBPRS is 10.4 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 719004 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.45AMP 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 30.17 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.30 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 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 INTEMP is 55.8DEG 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 12/18/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVED

Discrete Inputs:

W1_CTR is ON W2_CTR is ON ASBVED is ON SMPCTR is OFF HP OP is OFF ASP HH is OFF ASP LO is OFF FLRSMP is OFF ACFAIL is OFF E STOP is OFF

Discrete Outputs:

 W1_GO
 1s ON
 ASB_GO
 1s ON
 SMP_GO
 1s OFF

 AIR_HH
 is OFF
 ASMPHH
 is OFF
 ASMPHL
 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:

Wi_klO is 0.0 W2_FLO is 23.2 TOTAL FLOW is TOTAL FLOW is CDM 63023435 CAL CPH 64884050 CAT. ASBPRS is H: 30.0 10.8 IWC LIMITS are IWC IWC \mathbf{L} : TOTAL FLOW 719933 HP FLO is 0 00 GPM GAL и: 20.0 nr rns 10 1.3 PET2.0 PBT Γ ET HP AMP 1s 0.04 AMP LIMITS are 0.00 AMP H: AMP W1 AMP is 4.43 0.00 H: 10.00 AMP LIMITS are AMP AMP W2_AMP W1_LVL 1s4.58 AMP LIMITS are 0.00 AMP H: 10.00 AMP $\mathbf{L}:$ 1s30.62 \mathbf{FT} LIMITS are L:8.00 \mathbf{FT} H: 28.00 \mathbf{FT} W2_LVL is H: 52.00 55.01 \mathbf{FT} \mathbf{FT} LIMITS 9.00 \mathbf{FT} are \mathbf{L} : L: 0.5 W1_PRS is 4.2 PSI H: 100.0 PSI PSI LIMITS areH: 100.0 W2 PRS in 4.6 PRT LIMITS area T.: 0.5 PRT PRT DEG DEG DEG INTEMP is 51.7 LIMITS are L: 42.0H: 130.0

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/18/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 AIR_HH is OFF ASMPLL is OFF W1_ALM is ON 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 0.0 GPM TOTAL FLOW is 63023435 GAL W2 FLO is 23.2 TOTAL FLOW is 64884050 GPM GAL ASBPRS is 10.8 H: 30.0 IWC LIMITS are 5.0 IWC IWC \mathbf{L} : 719233 HP FLO is 0.00 GPM TOTAL FLOW is GAL H: 20.0 HP PRS is 1.3 PSI LIMITS are -2.0 PSI PSI HP_AMP is 0.04AMP LIMITS are 0.00 AMP H: AMP $\mathbf{L}:$ W1_AMP W2_AMP 10.00 4.43AMP LIMITS are0.00 AMP **H**: AMP is L:H: 10.00 0.00 4.58LIMITS is AMPareAMPAMPW1 LVL is LIMITS 30.62 \mathbf{FT} are 8.00 \mathbf{FT} H: 28.00 \mathbf{FT} T.: W2 LVL is \mathbf{FT} LIMITS 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} areL: 0.5 H: 100.0 LIMITS PSI PSI PSI W1_PRS is 4.2 areH: 100.0 H: 130.0 W2_PRS is 4.6 PSI LIMITS are L: 0.5 PSI PSI INTEMP is 51.7DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/19/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64917522 GAL ASBPRS is 11.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 719530 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.40AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.35 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.43 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI 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 50.2DEG 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 12/20/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 64950985 GAL ASBPRS is 10.7 5.0 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 719829 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.40AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.56AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.49 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.72 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 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 INTEMP is 51.9DEG 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 12/22/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.7 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65018001 GAL ASBPRS is 10.4 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 720145 HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.45AMP 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 31.29 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.89 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI 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 57.3DEG 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 12/23/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65051656 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC TOTAL FLOW is 720522 HP FLO is 2.46 GPM GAL H: 20.0 **HP PRS is 10.1** PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 2.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.88 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.89 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI 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 54.6DEG 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 12/24/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65085146 GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : 5.0 IWC 721056 TOTAL FLOW is HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI LIMITS are HP AMP is 0.04 AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.36AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.17 \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 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 54.9DEG 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 12/25/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ASMPLL is OFF W1_ALM is ON AIR HH is OFF ASMPHH is OFF W2_ALM is OFF ASBALM is OFF SMPALM is OFF AIR LL is OFF VFDRST is OFF VFDRUN is OFF HPMPGO is ON

Analog Inputs:

W1 FLO is 0.0 GPM TOTAL FLOW is 63023435 GAL W2FLO is 23.5 TOTAL FLOW is 65118643 GAL GPM $AS\overline{B}PRS$ is 10.7 LIMITS are IWC H: 30.0 IWC IWC \mathbf{L} : HP FLO is 0.00 **GPM** TOTAL FLOW is 721410 GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP_AMP is 0.04AMP LIMITS are \mathbf{L} : 0.00 AMP **H**: AMP W1_AMP W2_AMP H: 10.00 H: 10.00 is 4.43AMP LIMITS areL:0.00 AMP AMP LIMITS 0.00 is 4.57AMPareAMPAMPLIMITS H: 28.00 W1 LVL is 31.43 \mathbf{FT} 8.00 \mathbf{FT} \mathbf{FT} areT.: W2 LVL is 56.34 \mathbf{FT} LIMITS 9.00 \mathbf{FT} H: 52.00 \mathbf{FT} areL: 0.5 H: 100.0 LIMITS W1_PRS is 4.1PSI arePSI PSI $W2_PRS$ is 4.5 INTEMP is 53.8 H: 100.0 H: 130.0 LIMITS are L: 0.5 PSI PSI PSI DEG LIMITS are L: 42.0 DEG DEG

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/25/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.5 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65118643 GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 721410 TOTAL FLOW is HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.43AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.43 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.34 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 L: 0.5PSI LIMITS are PSI PSI INTEMP is 53.8DEG 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 12/26/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVED

Discrete Inputs:

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

Discrete Outputs:

ASB_GO is ON is ON WŽ GO is ON SMP_GO is OFF W1 ALM is ON ASMPLL is OFF AIR HH is OFF ASMPHH 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 0.0 W2_FLO is 22.9 ASBPRS is 10.9 63023435 **GPM** TOTAL FLOW is GAL GPM TOTAL FLOW is 65152157 GAL LIMITS are IWC H: 30.0 IWC IWC ${f L}$: 0.00 HP FLO is GPH TOTAL FLOW is 721842 GAL HP PRS is 1.2 LIMITS are L: -2.0 H: 20.0 PSI PSI PSI HP AMP is 0.04 AMP LIMITS are ь: 0.00 AMP H: AMP н: 10.00 4.43 0.00 W1 AMP is LIMITS are AMPAMP AMP W2_AMP 4.50AMP LIMITS are L:0.00 AMP H: 10.00 AMP 15 W1_LVL W2_LVL is 31.18 \mathbf{FT} LIMITS areL:8.00 \mathbf{FT} H: 28.00 \mathbf{FT} 9.00 \mathbf{FT} H: 52.00 is 55.85 \mathbf{FT} LIMITS are \mathbf{FT} W1 PRS is 4.2 0.5 H: 100.0 PSI LIMITS are \mathbf{L} : PSI PSI W2 PRS is 4.5 PSI LIMITS are L: 0.5PSI H: 100.0 PSI INTEMP is 52.7DEG L: 42.0 DEG H: 130.0 DEG LIMITS are

Analog Outputs:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/26/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 22.9 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65152157 GAL ASBPRS is 10.9 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 721842 TOTAL FLOW is HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.43AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.18 \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 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 52.7DEG 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 12/27/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23. **GPM** 63023435 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 65185670 GAL ASBPRS is H: 30.0 10.9 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 722227 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.03 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.39AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.51 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.15 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2 PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 54.5DEG 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 12/28/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.2 **GPM** 63023435 TOTAL FLOW is GAL 65219192 GPM TOTAL FLOW is GAL ASBPRS is H: 30.0 10.6 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 722593 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.40AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis 4.56AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 30.67 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 55.43 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.2PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 LIMITS are L: 0.5W2_PRS is 4.5 PSI PSI PSI INTEMP is 56.7DEG 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 12/29/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23. **GPM** 63023435 TOTAL FLOW is GAL 23.6 GPM TOTAL FLOW is 65252728 GAL ASBPRS is 10.5 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 722847 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.44AMP 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 31.55 \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 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 W2_PRS is 4.5 L: 0.5PSI LIMITS are PSI PSI INTEMP is 56.4DEG 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 12/30/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20: LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.3 **GPM** 63023435 TOTAL FLOW is GAL GPM TOTAL FLOW is 65286321 GAL ASBPRS is 10.8 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC TOTAL FLOW is 723265 HP FLO is 0.00 **GPM** GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.45AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.20 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.02 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 55.7DEG 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 12/31/2018 SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 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 ON 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 0.0 W2_FLO is 23.4 **GPM** 63023435 TOTAL FLOW is GAL 65319915 GPM TOTAL FLOW is GAL ASBPRS is 10.7 H: 30.0 LIMITS are IWC IWC \mathbf{L} : IWC 723696 TOTAL FLOW is HP FLO is 0.00 GPM GAL H: 20.0 HP PRS is PSI LIMITS are L: -2.0PSI PSI HP AMP is 0.04 LIMITS are AMP L: 0.00AMP н: AMPH: 10.00 W1_AMP is 4.43AMP LIMITS are0.00 AMP AMP \mathbf{L} : AMPis AMPLIMITS are 0.00 AMP**H**: 10.00 AMP L:W1_LVL is H: 28.00 31.33 \mathbf{FT} LIMITS 8.00 \mathbf{FT} \mathbf{FT} are \mathbf{L} : 9.00 W2 LVL is 56.29 \mathbf{FT} LIMITS are $\mathbf{L}:$ \mathbf{FT} H: 52.00 \mathbf{FT} W1 PRS is 4.1PSI LIMITS L: 0.5PSI H: 100.0 PSI areH: 100.0 L: 0.5W2_PRS is 4.5 PSI LIMITS are PSI PSI INTEMP is 53.8DEG LIMITS are L: 42.0 DEG H: 130.0 DEG

Analog Outputs:

APPENDIX B

O&M Checklists

Gladding Cordage		Date	10/5/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	14:12:00 PM
Treatment System Operation		Alarms	
	'es		lo
	'es	RW-1 (Y/N) Y	es
RW-2 On (Y/N)	'es	RW-2 (Y/N)	lo .
Blower On (Y/N)	'es	Blower Pressure (Y/N)	lo
Sump Pump On (Y/N)	No	Sump Level (Y/N)	lo
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	24.6	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	30.82	56.36	
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)	10.0	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	60.9°
Heat Exchanger			
Heat (On/Off)	Off	Building Temperature (°F)	63°
Heat Exchanger Flow (GPM)	0.00	Heat Exchanger Pressure (PSI)	1.2
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	No	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	No
Notes:			
Sytem Restart: 1415			
System Check: 1420			

Gladding Cordage		Date	10/14/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	12:30
Treatment System Operation		Alarms	
Treatment System Operation System On (Y/N) Y	es		lo
		` '	
- (· /	es		es
	es		lo .
` ,	es	. ,	lo
Sump Pump On (Y/N)	No	Sump Level (Y/N) N	lo
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	24.7	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	30.43	56.04	
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)	10.2	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	53.5°
initiative Emiliani i i i i i i i i i i i i i i i i i i		valor romporatoro (1)	
Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	56°
Heat Exchanger Flow (GPM)	2.52	Heat Exchanger Pressure (PSI)	9.9
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	No	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	No
Notes:			
Sytem Restart: 1215			
Turned System Heat on			
System Check: 1230			
Well Field Check: 1240			
110			

		_	
Gladding Cordage		Date	10/19/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	8:40
Treatment System Operation		Alarms	
System On (Y/N) Ye	S	A/C Fail (Y/N)	lo
RW-1 On (Y/N)	S	RW-1 (Y/N) Yo	es
RW-2 On (Y/N) Ye	S	RW-2 (Y/N)	lo
Blower On (Y/N) Ye	S	Blower Pressure (Y/N)	lo
Sump Pump On (Y/N))	Sump Level (Y/N)	0
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	24.5	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	30.49	<u>55.81</u>	
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)	48.7°
Heat Exchanger			
Heat (On/Off)	<u>On</u>	Building Temperature (°F)	68°
Heat Exchanger Flow (GPM)	0.00	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)	Yes	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes
Notes:			
Sampled: RW-1 815			
RW-1-MS 815			
RW-1-MSD 815			
RW-2 825			
EFF 46 HZ 830			
System Restart: 0645			
System Check: 0840			
Turned Electric heat on for Winter seaso			
Trimmed brush around building and som	e small areas.		

Cladding Cardons		Dete	44/00/0040
Gladding Cordage		Date	11/26/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	8:30
Treatment System Operation		Alarms	
	es	A/C Fail (Y/N)	lo
RW-1 On (Y/N) Y	es	RW-1 (Y/N) Y	es
RW-2 On (Y/N)	es	RW-2 (Y/N)	lo
Blower On (Y/N)	es	Blower Pressure (Y/N)	lo
Sump Pump On (Y/N)	lo	Sump Level (Y/N)	lo
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	23.5	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	30.59	55.77	
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)	10.4	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	58.3°
Heat Exchanger			
Heat (On/Off)	<u>On</u>	Building Temperature (°F)	69°
Heat Exchanger Flow (GPM)	0.00	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)	No	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	<u>Yes</u>	Samples Collected (Y/N)	Yes
Notes:			
Sampled: RW-1 800			
RW-1-MS 800			
RW-1-MSD 800			
RW-2 810			
EFF 46 HZ 815			
System Check: 0830			
Well Field Check: 0850			

Gladding Cordage		Date	12/5/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	13:50
Treatment System Operation		Alarms	
	'es	A/C Fail (Y/N)	lo
	es es	RW-1 (Y/N) Y	es
	es es		lo .
	es es	` '	lo
	No	• • • • • • • • • • • • • • • • • • • •	lo
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	24.6	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	32.03	56.93	
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)	10.6	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	50°
Heat Exchanger			
Heat (On/Off)	<u>On</u>	Building Temperature (°F)	63.2
Heat Exchanger Flow (GPM)	2.41	Heat Exchanger Pressure (PSI)	10
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	No	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	No
Notes:			
System Restart: 1330			
Well Field Check: 1340			
System Check: 1350			

Gladding Cordage		Date	12/16/2018
South Otselic, New York		Inspector	L. Whalen
NYSDEC Site #709009		Time	16:50
Treatment System Operation		Alarms	
System On (Y/N)	Yes	A/C Fail (Y/N)	<u>lo</u>
RW-1 On (Y/N)	Yes	RW-1 (Y/N) Y	es
RW-2 On (Y/N)	Yes	(' /	lo
Blower On (Y/N)	Yes	Blower Pressure (Y/N)	lo
Sump Pump On (Y/N)	No	Sump Level (Y/N)	lo
Recovery Wells	RW-1	RW-2	
Flow Rate (GPM)	NA	23.7	
Total Flow (Gallons)	Not Reported	Not Reported	
Water Level (Feet Above Probe)	30.33	55.28	
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)	10.5	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	51.6°
Heat Exchanger			
Heat (On/Off)	<u>On</u>	Building Temperature (°F)	69.2°
Heat Exchanger Flow (GPM)	2.49	Heat Exchanger Pressure (PSI)	10.2
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	No	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes
Notes:			
Sampled: RW-1 -	1600		
RW-1-MS -	1600		
RW-1-MSD -	1600		
RW-2 -	1610		
EFF 46 HZ -	1615		
Site walk and well inspection: 1625			
System inspection: 1650			

APPENDIX C Analytical Reporting Forms



October 29, 2018

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

Project Location: South Otselic

Client Job Number:

Project Number: 00266406.0000

Laboratory Work Order Number: 18J1037

Enclosed are results of analyses for samples received by the laboratory on October 20, 2018. 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: 10/29/2018

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1037

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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1 (MS/MSD)	18J1037-01	Ground Water		EPA 624.1	
RW-2	18J1037-02	Ground Water		EPA 624.1	
EFF 46 HZ	18J1037-03	Ground Water		EPA 624.1	
TRIP BLANK	18J1037-04	Trip Blank Water		EPA 624.1	



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 Sample Description: Work Order: 18J1037

Date Received: 10/20/2018

Field Sample #: RW-1 (MS/MSD)

Sampled: 10/19/2018 08:15

Sample ID: 18J1037-01
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	0.34	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Bromodichloromethane	ND	2.0	0.48	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Bromoform	ND	2.0	0.28	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Bromomethane	ND	2.0	0.44	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Carbon Tetrachloride	ND	2.0	0.39	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,1-Dichloroethane	1.7	2.0	0.33	$\mu g/L$	1	J	EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,1-Dichloroethylene	1.0	2.0	0.25	$\mu g/L$	1	J	EPA 624.1	10/26/18	10/27/18 11:17	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Methylene Chloride	ND	5.0	0.42	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Toluene	ND	1.0	0.35	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,1,1-Trichloroethane	43	2.0	0.25	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:17	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		10/27/18 11:17
Toluene-d8	99.9	70-130		10/27/18 11:17
4-Bromofluorobenzene	101	70-130		10/27/18 11:17



Sample Description: Work Order: 18J1037

Project Location: South Otselic Date Received: 10/20/2018 Field Sample #: RW-2

Sampled: 10/19/2018 08:25

Sample ID: 18J1037-02
Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

			Volutile	organic co.	inpounds by C	·C/1/15				
								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Bromodichloromethane	ND	2.0	0.48	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Bromoform	ND	2.0	0.28	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Bromomethane	ND	2.0	0.44	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,1-Dichloroethane	0.89	2.0	0.33	$\mu g/L$	1	J	EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,1-Dichloroethylene	0.85	2.0	0.25	$\mu g/L$	1	J	EPA 624.1	10/26/18	10/27/18 11:48	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,2-Dichloropropane	ND	2.0	0.31	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Ethylbenzene	ND	2.0	0.37	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Methylene Chloride	ND	5.0	0.42	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,1,1-Trichloroethane	37	2.0	0.25	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
Vinyl Chloride	ND	2.0	0.30	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
m+p Xylene	ND	2.0	0.65	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD
o-Xylene	ND	2.0	0.35	μg/L	1		EPA 624.1	10/26/18	10/27/18 11:48	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		10/27/18 11:48
Toluene-d8	101	70-130		10/27/18 11:48
4-Bromofluorobenzene	100	70-130		10/27/18 11:48



Project Location: South Otselic Sample Description: Work Order: 18J1037

Date Received: 10/20/2018

Field Sample #: EFF 46 HZ

Sampled: 10/19/2018 08:30

Sample ID: 18J1037-03
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	0.34	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Bromomethane	ND	2.0	0.44	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,2-Dichloroethane	ND	2.0	0.28	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,1-Dichloroethane	ND	2.0	0.33	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,1-Dichloroethylene	ND	2.0	0.25	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Ethylbenzene	ND	2.0	0.37	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Methylene Chloride	ND	5.0	0.42	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
Vinyl Chloride	ND	2.0	0.30	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
m+p Xylene	ND	2.0	0.65	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		10/27/18 10:46
Toluene-d8	99.1	70-130		10/27/18 10:46
4-Bromofluorobenzene	99.0	70-130		10/27/18 10:46



Project Location: South Otselic Sample Description: Work Order: 18J1037

Date Received: 10/20/2018

Field Sample #: TRIP BLANK

Sampled: 10/19/2018 00:00

Sample ID: 18J1037-04
Sample Matrix: Trip Blank Water

								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Bromomethane	ND	2.0	0.44	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,2-Dichloroethane	ND	2.0	0.28	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,1-Dichloroethane	ND	2.0	0.33	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,1-Dichloroethylene	ND	2.0	0.25	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Ethylbenzene	ND	2.0	0.37	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Methylene Chloride	1.1	5.0	0.42	μg/L	1	J	EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	10/26/18	10/27/18 10:16	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		10/27/18 10:16
Toluene-d8	100	70-130		10/27/18 10:16
4-Bromofluorobenzene	101	70-130		10/27/18 10:16



Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1037-01 [RW-1 (MS/MSD)]	B215779	5	5.00	10/26/18
18J1037-02 [RW-2]	B215779	5	5.00	10/26/18
18J1037-03 [EFF 46 HZ]	B215779	5	5.00	10/26/18
18J1037-04 [TRIP BLANK]	B215779	5	5.00	10/26/18

%REC

RPD



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

QUALITY CONTROL

Spike

Source

Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B215779 - SW-846 5030B									<u> </u>	
Blank (B215779-BLK1)				Prepared: 10)/26/18 Anal	yzed: 10/27/	18			
Benzene	ND	1.0	μg/L							
Bromodichloromethane	ND	2.0	$\mu \text{g/L}$							
Bromoform	ND	2.0	$\mu g/L$							
Bromomethane	ND	2.0	$\mu \text{g/L}$							
Carbon Tetrachloride	ND	2.0	μg/L							
Chlorobenzene	ND	2.0	$\mu g \! / \! L$							
Chlorodibromomethane	ND	2.0	$\mu \text{g/L}$							
Chloroethane	ND	2.0	μg/L							
Chloroform	ND	2.0	μg/L							
Chloromethane	ND	2.0	μg/L							
1,2-Dichlorobenzene	ND	2.0	μg/L							
1,3-Dichlorobenzene	ND	2.0	μg/L							
1,4-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							
trans-1,2-Dichloroethylene	ND	2.0	μg/L							
1,2-Dichloropropane	ND	2.0	μg/L							
cis-1,3-Dichloropropene	ND	2.0	μg/L							
trans-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							
Trichloroethylene	ND	2.0	μg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	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	25.3		μg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.0		μg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		$\mu g/L$	25.0		101	70-130			
LCS (B215779-BS1)				Prepared: 10	0/26/18 Anal	yzed: 10/27/	18			
Benzene	19.6	1.0	$\mu g \! / \! L$	20.0		98.0	65-135			
Bromodichloromethane	19.8	2.0	$\mu g \! / \! L$	20.0		99.1	65-135			
Bromoform	20.0	2.0	μg/L	20.0		99.9	70-130			
Bromomethane	20.2	2.0	μg/L	20.0		101	15-185			
Carbon Tetrachloride	20.6	2.0	μg/L	20.0		103	70-130			
Chlorobenzene	19.9	2.0	μg/L	20.0		99.5	65-135			
Chlorodibromomethane	21.6	2.0	μg/L	20.0		108	70-135			
Chloroethane	17.7	2.0	μg/L	20.0		88.6	40-160			
Chloroform	19.3	2.0	μg/L	20.0		96.6	70-135			
Chloromethane	17.8	2.0	μg/L	20.0		89.0	20-205			
1,2-Dichlorobenzene	19.9	2.0	μg/L	20.0		99.6	65-135			
1,3-Dichlorobenzene	20.1	2.0	μg/L	20.0		101	70-130			
1,4-Dichlorobenzene	19.7	2.0	$\mu g \! / \! L$	20.0		98.4	65-135			
1,2-Dichloroethane	20.5	2.0	μg/L	20.0		103	70-130			



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 B215779 - SW-846 5030B										
LCS (B215779-BS1)				Prepared: 10	0/26/18 Analyz	zed: 10/27/	18			
1,1-Dichloroethane	20.1	2.0	μg/L	20.0		101	70-130			
1,1-Dichloroethylene	19.1	2.0	$\mu g/L$	20.0		95.7	50-150			
trans-1,2-Dichloroethylene	20.0	2.0	$\mu \text{g/L}$	20.0		100	70-130			
1,2-Dichloropropane	19.7	2.0	$\mu \text{g/L}$	20.0		98.5	35-165			
cis-1,3-Dichloropropene	19.4	2.0	$\mu \text{g/L}$	20.0		97.0	25-175			
trans-1,3-Dichloropropene	19.9	2.0	$\mu g/L$	20.0		99.6	50-150			
Ethylbenzene	19.3	2.0	$\mu g/L$	20.0		96.5	60-140			
Methyl tert-Butyl Ether (MTBE)	20.3	2.0	$\mu g/L$	20.0		102	70-130			
Methylene Chloride	19.1	5.0	$\mu g/L$	20.0		95.4	60-140			
1,1,2,2-Tetrachloroethane	19.5	2.0	μg/L	20.0		97.7	60-140			
Tetrachloroethylene	19.6	2.0	μg/L	20.0		98.1	70-130			
Toluene	19.2	1.0	$\mu \text{g/L}$	20.0		95.8	70-130			
1,1,1-Trichloroethane	19.7	2.0	μg/L	20.0		98.4	70-130			
1,1,2-Trichloroethane	19.9	2.0	μg/L	20.0		99.7	70-130			
Trichloroethylene	20.1	2.0	μg/L	20.0		101	65-135			
Trichlorofluoromethane (Freon 11)	19.1	2.0	μg/L	20.0		95.3	50-150			
Vinyl Chloride	17.3	2.0	μg/L	20.0		86.6	5-195			
m+p Xylene	39.1	2.0	μg/L	40.0		97.8	70-130			
o-Xylene	19.7	2.0	μg/L	20.0		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.2		$\mu g/L$	25.0		101	70-130			
Surrogate: Toluene-d8	24.9		μg/L	25.0		99.7	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		$\mu g/L$	25.0		100	70-130			
Matrix Spike (B215779-MS1)	Sou	rce: 18J1037-0	01	Prepared: 10	0/26/18 Analyz	zed: 10/27/	18			
Benzene	20.6	1.0	μg/L	20.0	ND	103	37-151			
Bromodichloromethane	20.4	2.0	$\mu \text{g/L}$	20.0	ND	102	35-155			
Bromoform	19.8	2.0	$\mu \text{g/L}$	20.0	ND	99.0	45-169			
Bromomethane	21.4	2.0	$\mu \text{g/L}$	20.0	ND	107	20-242			
Carbon Tetrachloride	22.2	2.0	μg/L	20.0	ND	111	70-140			
Chlorobenzene	21.0	2.0	μg/L	20.0	ND	105	37-160			
Chlorodibromomethane	21.7	2.0	μg/L	20.0	ND	109	53-149			
Chloroethane	19.0	2.0	μg/L	20.0	ND	95.2	14-230			
Chloroform	20.4	2.0	μg/L	20.0	ND	102	51-138			
Chloromethane	19.2	2.0	μg/L	20.0	ND	96.2	20-273			
1,2-Dichlorobenzene	21.0	2.0	μg/L	20.0	ND	105	18-190			
1,3-Dichlorobenzene	21.0	2.0	μg/L	20.0	ND	105	59-156			
1,4-Dichlorobenzene	20.6	2.0	μg/L	20.0	ND	103	18-190			
1,2-Dichloroethane	21.3	2.0	μg/L	20.0	ND	106	49-155			
1,1-Dichloroethane	22.9	2.0	μg/L	20.0	1.66	106	59-155			
1,1-Dichloroethylene	21.8	2.0	μg/L	20.0	1.00	104	20-234			
trans-1,2-Dichloroethylene	22.0	2.0	μg/L	20.0	ND	110	54-156			
1,2-Dichloropropane	20.6	2.0	μg/L	20.0	ND	103	20-210			
cis-1,3-Dichloropropene	19.1	2.0	μg/L	20.0	ND	95.6	20-227			
trans-1,3-Dichloropropene	19.8	2.0	μg/L	20.0	ND	99.2	17-183			
Ethylbenzene	20.5	2.0	μg/L	20.0	ND	102	37-162			
Methyl tert-Butyl Ether (MTBE)	20.8	2.0	μg/L	20.0	ND	104	70-130			
Methylene Chloride	20.0	5.0	μg/L	20.0	ND	99.8	20-221			
1,1,2,2-Tetrachloroethane	19.8	2.0	μg/L	20.0	ND	98.8	46-157			
m		2.0	μg/L	20.0	ND	106	64-148			
Tetrachloroethylene	21.3									
Toluene	20.5	1.0	$\mu g/L$	20.0	ND	103	47-150			
				20.0 20.0 20.0	ND 42.9 ND	103 101 102	47-150 52-162 52-150			



QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B215779 - SW-846 5030B										
Matrix Spike (B215779-MS1)	Sour	ce: 18J1037-0)1	Prepared: 10/26/18 Analyzed: 10/27/18						
Trichloroethylene	21.4	2.0	μg/L	20.0	ND	107	70-157			
Trichlorofluoromethane (Freon 11)	21.0	2.0	$\mu g/L$	20.0	ND	105	17-181			
Vinyl Chloride	19.2	2.0	$\mu g/L$	20.0	ND	95.8	20-251			
m+p Xylene	41.3	2.0	μg/L	40.0	ND	103	70-130			
o-Xylene	20.3	2.0	$\mu g/L$	20.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.2		μg/L	25.0		101	70-130			
Surrogate: Toluene-d8	25.0		$\mu g/L$	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		μg/L	25.0		99.3	70-130			
Matrix Spike Dup (B215779-MSD1)	Sour	ce: 18J1037-0	11	Prepared: 10	0/26/18 Analyz	red: 10/27/	18			
Benzene	20.5	1.0	μg/L	20.0	ND	103	37-151	0.0973	61	
Bromodichloromethane	21.8	2.0	μg/L	20.0	ND	109	35-155	6.36	56	
Bromoform	21.5	2.0	μg/L	20.0	ND	107	45-169	8.19	42	
Bromomethane	22.3	2.0	μg/L	20.0	ND	111	20-242	3.71	61	
Carbon Tetrachloride	22.7	2.0	μg/L	20.0	ND	114	70-140	2.14	41	
Chlorobenzene	21.8	2.0	$\mu g/L$	20.0	ND	109	37-160	3.60	53	
Chlorodibromomethane	23.1	2.0	μg/L	20.0	ND	116	53-149	6.15	50	
Chloroethane	19.7	2.0	μg/L	20.0	ND	98.3	14-230	3.20	78	
Chloroform	20.4	2.0	μg/L	20.0	ND	102	51-138	0.245	54	
Chloromethane	19.8	2.0	μg/L	20.0	ND	99.0	20-273	2.82	60	
1,2-Dichlorobenzene	21.4	2.0	$\mu g/L$	20.0	ND	107	18-190	1.84	57	
1,3-Dichlorobenzene	21.9	2.0	$\mu g/L$	20.0	ND	109	59-156	4.39	43	
1,4-Dichlorobenzene	21.2	2.0	μg/L	20.0	ND	106	18-190	3.11	57	
1,2-Dichloroethane	22.1	2.0	$\mu g/L$	20.0	ND	111	49-155	3.78	49	
1,1-Dichloroethane	22.3	2.0	$\mu g/L$	20.0	1.66	103	59-155	2.83	40	
1,1-Dichloroethylene	21.7	2.0	$\mu g/L$	20.0	1.00	104	20-234	0.414	32	
trans-1,2-Dichloroethylene	21.2	2.0	$\mu g/L$	20.0	ND	106	54-156	3.74	45	
1,2-Dichloropropane	21.4	2.0	μg/L	20.0	ND	107	20-210	4.15	55	
cis-1,3-Dichloropropene	20.1	2.0	μg/L	20.0	ND	101	20-227	5.14	58	
trans-1,3-Dichloropropene	20.8	2.0	μg/L	20.0	ND	104	17-183	4.77	86	
Ethylbenzene	21.0	2.0	μg/L	20.0	ND	105	37-162	2.51	63	
Methyl tert-Butyl Ether (MTBE)	20.5	2.0	μg/L	20.0	ND	102	70-130	1.79	20	
Methylene Chloride	19.9	5.0	$\mu g/L$	20.0	ND	99.4	20-221	0.401	28	
1,1,2,2-Tetrachloroethane	21.4	2.0	$\mu g/L$	20.0	ND	107	46-157	8.11	61	
Tetrachloroethylene	22.4	2.0	$\mu g/L$	20.0	ND	112	64-148	5.22	39	
Γoluene	21.8	1.0	$\mu g \! / \! L$	20.0	ND	109	47-150	6.05	41	
1,1,1-Trichloroethane	62.0	2.0	$\mu g/L$	20.0	42.9	95.4	52-162	1.77	36	
1,1,2-Trichloroethane	21.4	2.0	$\mu \text{g/L}$	20.0	ND	107	52-150	5.31	45	
Γrichloroethylene	23.0	2.0	$\mu g/L$	20.0	ND	115	70-157	7.16	48	
Trichlorofluoromethane (Freon 11)	20.8	2.0	$\mu \text{g/L}$	20.0	ND	104	17-181	0.861	84	
Vinyl Chloride	19.8	2.0	$\mu g/L$	20.0	ND	99.0	20-251	3.23	66	
n+p Xylene	42.2	2.0	$\mu g/L$	40.0	ND	106	70-130	2.18	20	
o-Xylene	21.1	2.0	μg/L	20.0	ND	106	70-130	3.81	20	
Surrogate: 1,2-Dichloroethane-d4	24.4		μg/L	25.0	_	97.8	70-130		_	
Surrogate: Toluene-d8	25.5		$\mu g/L$	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		$\mu g/L$	25.0		100	70-130			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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

EPA 624.1 in Water	
Benzene	CT,NY,RI,NC,MA,NH
Bromodichloromethane	CT,NY,RI,NC,MA,NH
Bromoform	CT,NY,RI,NC,MA,NH
Bromomethane	CT,NY,RI,NC,MA,NH
Carbon Tetrachloride	CT,NY,RI,NC,MA,NH
Chlorobenzene	CT,NY,RI,NC,MA,NH
Chlorodibromomethane	CT,NY,RI,NC,MA,NH
Chloroethane	CT,NY,RI,NC,MA,NH
Chloroform	CT,NY,RI,NC,MA,NH
Chloromethane	CT,NY,RI,NC,MA,NH
1,2-Dichlorobenzene	CT,NY,RI,NC,MA,NH
1,3-Dichlorobenzene	CT,NY,RI,NC,MA,NH
1,4-Dichlorobenzene	CT,NY,RI,NC,MA,NH
1,2-Dichloroethane	CT,NY,RI,NC,MA,NH
1,1-Dichloroethane	CT,NY,RI,NC,MA,NH
1,1-Dichloroethylene	CT,NY,RI,NC,MA,NH
trans-1,2-Dichloroethylene	CT,NY,RI,NC,MA,NH
1,2-Dichloropropane	CT,NY,RI,NC,MA,NH
cis-1,3-Dichloropropene	CT,NY,RI,NC,MA,NH
trans-1,3-Dichloropropene	CT,NY,RI,NC,MA,NH
Ethylbenzene	CT,NY,RI,NC,MA,NH
Methyl tert-Butyl Ether (MTBE)	NY,NC,MA,NH
Methylene Chloride	CT,NY,RI,NC,MA,NH
1,1,2,2-Tetrachloroethane	CT,NY,RI,NC,MA,NH
Tetrachloroethylene	CT,NY,RI,NC,MA,NH
Toluene	CT,NY,RI,NC,MA,NH
1,1,1-Trichloroethane	CT,NY,RI,NC,MA,NH
1,1,2-Trichloroethane	CT,NY,RI,NC,MA,NH
Trichloroethylene	CT,NY,RI,NC,MA,NH
Trichlorofluoromethane (Freon 11)	CT,NY,RI,NC,MA,NH
Vinyl Chloride	CT,NY,RI,NC,MA,NH
m+p Xylene	CT,NY,RI,NC,MA,NH
o-Xylene	CT,NY,RI,NC,MA,NH



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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publile Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

Table of Contents Dissolved Metals Samples 1 Matrix Codes: GW = Ground Water WW - Wate Water DW - Drinking Weter ² Preservation Codes: B = Sodium Bisuifate X = Sodium Hydroxide SL = Sludge SOL = Solid O = Other (please S = Summa Canister 3 Container Codes: T = Tedlar Bag O = Other (please 0 = Other (please A = Amber Glass Non Soxhlet S = Sulfuric Acid PCB ONLY 2 Preservation Code Field Filtered Soxhlet N = Nitric Acid Field Filtered H = HCL M = Methanol ☐ Lab to Filter Lab to Filter ³ Container Code P = Plastic ST = Sterile # of Containers Thiosulfate = Sodium G = Glass ¥= 5= 5 deffne) V = Vial define) pao = define) NY Regulatory EDD EQuIS (Standard) EDD NY Regs Hits-Only EDD Enhanced Data Package NYSDEC EQUIS EDD Please use the following codes to indicate possible sample concentration NELAC and Alth-LAP, LLC Accredited East Longmeadow, MA 01028 Chromatogram AIHA-LAP, LLC H · High; M · Medium; L · Low; C · Clean; U · Unknown ANAL YSIS REQUESTED 39 Spruce Street within the Conc Code column above: Other WRTA MWRA Schoot MBTA h79 X > ゾ t Sont Cortle CHAIN OF CUSTODY RECORD (New York) 冈 ☐ NY CP-51 NY TOGS Matrix Code 3 Þ Municipality Brownfield 10-Day 3-Day 4-Day X EXCEL Grab 乂 CLP Like Data Pkg Required: 21.J NYC Sewer Discharge Part 360 GW (Landfill) Composite **NY Unrestricted Use** NY Restricted Use PDF NY Part 375 Government Ending Date/Time Due Date: 19/19/18 0825 paralis AWQ STDS 0830 lidfelf8 mail To: ax To# -ormat: Federal 7-Day Other: 1-Day 2-Day City Project Entity Date/Time 0815 Beginning Phone: 473-525-2332 2 Email: info@contestlabs.com 200 25/2/ Lorduge Client Sample ID / Description 146 STE 210 CliPan Pack RW-12ms/msD Fax: 413-525-6405 607-206-6262 Date/Time: EFF 46 HZ 10/18 Date/Time Date/Time Date/Time Date/Time Date/Time Trip Blank 00266 406,0000 5. Uyckott Arcadis Gladding 0tselic Z RW-2 through 518-250-7300 South Con-Test Quote Name/Number: CON-TEST Relinquished by: (signature) elinquished by: (signature) -a-11-12/haten luished by: (signature) Received by (Aggature) Work Order# ved by: (signature) ved by: (signature) Con-Test Project Location: Invoice Recipient: Address: 855 Project Manager: Project Number: sampled By: comments: Phone: Page 16 of 18

Doc # 380 Rev 1_03242017

http://www.contestlabs.com



Swart to

TRACK ANOTHER SHIPMENT

806832457692



Delivered Saturday 10/20/2018 at 9:46 am



DELIVERED

Signed for by: R.PATRAIDAS

GET STATUS UPDATES
OBTAIN PROOF OF DELIVERY

FROM

Syracuse, NY US

TO

EAST LONGMEADOW, MA US

Travel History Shipment Facts 10/20/2018 - Saturday 9:46 am Delivered East Longmeadow, MA Expand History 🗸 10/19/2018 - Friday 8:15 am Shipment information sent to FedEx **OUR COMPANY** MORE FROM FEDEX LANGUAGE About FedEx FedEx Blog FedEx Compatible Change Country Our Portfolio Corporate Responsibility Developer Resource Center Investor Relations Newsroom FedEx Cross Border English

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ASK FedEX

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

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HCL- Meoh- Bisulfate- DI-		500 mL Amb. 250 mL Amb.		500 mL I	Plastic Plastic point	*	8oz Am 4oz Am 2oz Am	b/Clear b/Clear b/Clear	*
HCL- Meoh- Bisulfate- DI- Thiosulfate-		500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		500 mL l 250 mL l Flashp	Plastic Plastic Joint Blass		8oz Am 4oz Am	b/Clear b/Clear b/Clear	
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HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric- Vials Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	#	500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	#	500 mL F 250 mL F Flashp Other C Plastic Ziplo Unused M 1 Liter P 500 mL F 250 mL F Flashp Other G Plastic	Plastic Plastic Plastic Riass Bag ck edia Plastic Plastic Plastic Plastic Riass Bag Bag	#	8oz Am 4oz Am 2oz Am Enc Frozen: 16 oz 8oz Am 4oz Am 2oz Am Enc	Amb. b/Clear b/Clear	

December 6, 2018

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

Project Location: South Otselic

Client Job Number:

Project Number: 00266406.0000

Laboratory Work Order Number: 18K1106

Enclosed are results of analyses for samples received by the laboratory on November 27, 2018. 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: 12/6/2018

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

18K1106 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

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1 (MS/MSD)	18K1106-01	Ground Water		EPA 624.1	
RW-2	18K1106-02	Ground Water		EPA 624.1	
EFF 46 HZ	18K1106-03	Ground Water		EPA 624.1	
Trip Blank	18K1106-04	Trip Blank Water		EPA 624.1	



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 Sample Description: Work Order: 18K1106

Date Received: 11/27/2018

Field Sample #: RW-1 (MS/MSD) Sampled: 11/26/2018 08:00

Sample ID: 18K1106-01

Sample Matrix: Ground Water

			Volutile	organic co.	inpounds by	10,111 5				
						T (0)		Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Bromodichloromethane	ND	2.0	0.48	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Bromoform	ND	2.0	0.28	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Bromomethane	0.60	2.0	0.44	μg/L	1	J	EPA 624.1	12/5/18	12/6/18 0:15	LBD
Carbon Tetrachloride	ND	2.0	0.39	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,1-Dichloroethane	1.6	2.0	0.33	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,1-Dichloroethylene	0.96	2.0	0.25	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/6/18 0:15	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Ethylbenzene	ND	2.0	0.37	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Methylene Chloride	ND	5.0	0.42	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,1,1-Trichloroethane	35	2.0	0.25	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
Vinyl Chloride	ND	2.0	0.30	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
m+p Xylene	ND	2.0	0.65	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD
o-Xylene	ND	2.0	0.35	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:15	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		12/6/18 0:15
Toluene-d8	100	70-130		12/6/18 0:15
4-Bromofluorobenzene	99.0	70-130		12/6/18 0:15



Project Location: South Otselic Sample Description: Work Order: 18K1106

Date Received: 11/27/2018

Field Sample #: RW-2

Sampled: 11/26/2018 08:10

Sample ID: 18K1106-02

Sample Matrix: Ground Water

Volatile	Organic	Compounds by	GC/MS

			, omene	organic co	inpounds by	ic/1415				
								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Bromomethane	0.62	2.0	0.44	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/6/18 0:46	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,1-Dichloroethane	0.76	2.0	0.33	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,1-Dichloroethylene	0.75	2.0	0.25	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/6/18 0:46	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Methylene Chloride	ND	5.0	0.42	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,1,1-Trichloroethane	29	2.0	0.25	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
Vinyl Chloride	ND	2.0	0.30	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
m+p Xylene	ND	2.0	0.65	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD
o-Xylene	ND	2.0	0.35	μg/L	1		EPA 624.1	12/5/18	12/6/18 0:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		12/6/18 0:46
Toluene-d8	99.4	70-130		12/6/18 0:46
4-Bromofluorobenzene	97.0	70-130		12/6/18 0:46



Project Location: South Otselic Sample Description: Work Order: 18K1106

Date Received: 11/27/2018

Field Sample #: EFF 46 HZ

Sampled: 11/26/2018 08:15

Sample ID: 18K1106-03

Sample Matrix: Ground Water

Volatile O	rganic	Compounds	bv	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	0.34	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Bromomethane	0.82	2.0	0.44	$\mu g/L$	1	J	EPA 624.1	12/5/18	12/5/18 23:44	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,1-Dichloroethane	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,1-Dichloroethylene	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Methylene Chloride	ND	5.0	0.42	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Toluene	ND	1.0	0.35	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		12/5/18 23:44
Toluene-d8	97.6	70-130		12/5/18 23:44
4-Bromofluorobenzene	99 4	70-130		12/5/18 23:44



Project Location: South Otselic Sample Description: Work Order: 18K1106

Date Received: 11/27/2018

Field Sample #: Trip Blank

Sampled: 11/26/2018 00:00

Sample ID: 18K1106-04
Sample Matrix: Trip Blank Water

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.34	μg/L	1	g	EPA 624.1	12/5/18	12/5/18 23:13	LBD
Bromodichloromethane	ND	2.0	0.48	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Bromoform	ND	2.0	0.28	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Bromomethane	0.81	2.0	0.44	μg/L	1	J	EPA 624.1	12/5/18	12/5/18 23:13	LBD
Carbon Tetrachloride	ND	2.0	0.39	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Chlorobenzene	ND	2.0	0.30	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Chlorodibromomethane	ND	2.0	0.27	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Chloroethane	ND	2.0	0.38	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Chloroform	ND	2.0	0.33	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Chloromethane	ND	2.0	0.30	μg/L	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,1-Dichloroethane	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,1-Dichloroethylene	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Methylene Chloride	ND	5.0	0.42	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Toluene	ND	1.0	0.35	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/5/18	12/5/18 23:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		12/5/18 23:13
Toluene-d8	99.8	70-130		12/5/18 23:13
4-Bromofluorobenzene	97.0	70-130		12/5/18 23:13



Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18K1106-01 [RW-1 (MS/MSD)]	B218510	5	5.00	12/05/18
18K1106-02 [RW-2]	B218510	5	5.00	12/05/18
18K1106-03 [EFF 46 HZ]	B218510	5	5.00	12/05/18
18K1106-04 [Trip Blank]	B218510	5	5.00	12/05/18

%REC

RPD



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

QUALITY CONTROL

Spike

Source

Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B218510 - SW-846 5030B										
Blank (B218510-BLK1)				Prepared &	Analyzed: 12	/05/18				
Benzene	ND	1.0	μg/L							
Bromodichloromethane	ND	2.0	$\mu \text{g/L}$							
Bromoform	ND	2.0	$\mu \text{g/L}$							
Bromomethane	0.90	2.0	$\mu g/L$							J
Carbon Tetrachloride	ND	2.0	$\mu \text{g/L}$							
Chlorobenzene	ND	2.0	μg/L							
Chlorodibromomethane	ND	2.0	$\mu \text{g/L}$							
Chloroethane	ND	2.0	$\mu \text{g/L}$							
Chloroform	ND	2.0	μg/L							
Chloromethane	ND	2.0	μg/L							
1,2-Dichlorobenzene	ND	2.0	μg/L							
,3-Dichlorobenzene	ND	2.0	μg/L							
1,4-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 Methyl text Potent Ethyl (MTDE)	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							
Γoluene 1,1,1-Trichloroethane	ND	1.0	μg/L							
	ND	2.0	μg/L μα/Ι							
1,1,2-Trichloroethane Frichloroethylene	ND	2.0 2.0	μg/L μg/L							
Frichlorofluoromethane (Freon 11)	ND	2.0	μg/L μg/L							
Vinyl Chloride	ND	2.0								
n+p Xylene	ND	2.0	μg/L μg/L							
o-Xylene	ND ND	2.0	μg/L μg/L							
Surrogate: 1,2-Dichloroethane-d4	24.9		μg/L	25.0		99.6	70-130			
Surrogate: Toluene-d8	24.8		μg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		$\mu g/L$	25.0		99.4	70-130			
LCS (B218510-BS1)				Prepared &	Analyzed: 12	/05/18				
Benzene	19.4	1.0	μg/L	20.0		96.8	65-135			
Bromodichloromethane	18.7	2.0	$\mu \text{g/L}$	20.0		93.4	65-135			
Bromoform	19.2	2.0	μg/L	20.0		96.0	70-130			
Bromomethane	18.9	2.0	μg/L	20.0		94.6	15-185			
Carbon Tetrachloride	18.3	2.0	$\mu g/L$	20.0		91.4	70-130			
Chlorobenzene	20.8	2.0	μg/L	20.0		104	65-135			
Chlorodibromomethane	19.8	2.0	μg/L	20.0		99.2	70-135			
Chloroethane	20.5	2.0	μg/L	20.0		103	40-160			
Chloroform	18.6	2.0	μg/L	20.0		93.1	70-135			
Chloromethane	24.9	2.0	μg/L	20.0		125	20-205			
1,2-Dichlorobenzene	20.7	2.0	μg/L	20.0		104	65-135			
1,3-Dichlorobenzene	20.5	2.0	μg/L	20.0		103	70-130			
1,4-Dichlorobenzene	19.9	2.0	μg/L	20.0		99.5	65-135			
1,2-Dichloroethane	20.1	2.0	μg/L	20.0		100	70-130			



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
-	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch B218510 - SW-846 5030B										
LCS (B218510-BS1)					Analyzed: 12/0					
1,1-Dichloroethane	21.5	2.0	μg/L	20.0		107	70-130			
1,1-Dichloroethylene	20.6	2.0	μg/L	20.0		103	50-150			
trans-1,2-Dichloroethylene	21.9	2.0	μg/L	20.0		110	70-130			
1,2-Dichloropropane	21.7	2.0	μg/L	20.0		109	35-165			
cis-1,3-Dichloropropene	18.4	2.0	μg/L	20.0		91.8	25-175			
trans-1,3-Dichloropropene	18.1	2.0	μg/L	20.0		90.3	50-150			
Ethylbenzene	19.9	2.0	μg/L	20.0		99.4	60-140			
Methyl tert-Butyl Ether (MTBE)	18.2	2.0	μg/L	20.0		90.8	70-130			
Methylene Chloride	24.3	5.0	μg/L	20.0		122	60-140			
1,1,2,2-Tetrachloroethane	20.7	2.0	μg/L	20.0		103	60-140			
Tetrachloroethylene	19.2	2.0	μg/L	20.0		96.1	70-130			
Toluene	19.0	1.0	μg/L	20.0		95.2	70-130			
1,1,1-Trichloroethane	17.5	2.0	μg/L	20.0		87.4	70-130			
1,1,2-Trichloroethane	19.1	2.0	μg/L	20.0		95.3	70-130			
Trichloroethylene	19.0	2.0	μg/L	20.0		95.2	65-135			
Trichlorofluoromethane (Freon 11)	18.0	2.0	μg/L	20.0		90.0	50-150			
Vinyl Chloride	21.0	2.0	μg/L	20.0		105	5-195			
m+p Xylene	39.8	2.0	μg/L	40.0		99.5	70-130			
o-Xylene	19.9	2.0	μg/L	20.0		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.2		$\mu g/L$	25.0		96.6	70-130			
Surrogate: Toluene-d8	25.1		μg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		$\mu g/L$	25.0		100	70-130			
Matrix Spike (B218510-MS1)	Sou	rce: 18K1106-	-01	Prepared: 12	2/05/18 Analyz	zed: 12/06/	18			
Benzene	20.8	1.0	μg/L	20.0	ND	104	37-151			
Bromodichloromethane	19.8	2.0	$\mu \text{g/L}$	20.0	ND	99.2	35-155			
Bromoform	19.2	2.0	$\mu g \! / \! L$	20.0	ND	96.0	45-169			
Bromomethane	19.1	2.0	$\mu g \! / \! L$	20.0	0.600	92.7	20-242			
Carbon Tetrachloride	20.1	2.0	$\mu g \! / \! L$	20.0	ND	100	70-140			
Chlorobenzene	21.7	2.0	$\mu g \! / \! L$	20.0	ND	109	37-160			
Chlorodibromomethane	20.5	2.0	$\mu g \! / \! L$	20.0	ND	102	53-149			
Chloroethane	21.7	2.0	$\mu g \! / \! L$	20.0	ND	108	14-230			
Chloroform	19.9	2.0	$\mu g \! / \! L$	20.0	ND	99.5	51-138			
Chloromethane	26.7	2.0	$\mu g \! / \! L$	20.0	ND	133	20-273			
1,2-Dichlorobenzene	21.5	2.0	$\mu g \! / \! L$	20.0	ND	108	18-190			
1,3-Dichlorobenzene	22.1	2.0	$\mu g \! / \! L$	20.0	ND	110	59-156			
1,4-Dichlorobenzene	21.4	2.0	$\mu g \! / \! L$	20.0	ND	107	18-190			
1,2-Dichloroethane	21.0	2.0	$\mu g \! / \! L$	20.0	ND	105	49-155			
1,1-Dichloroethane	25.1	2.0	$\mu g \! / \! L$	20.0	1.64	117	59-155			
1,1-Dichloroethylene	23.3	2.0	$\mu g \! / \! L$	20.0	0.960	112	20-234			
rans-1,2-Dichloroethylene	24.2	2.0	μg/L	20.0	ND	121	54-156			
1,2-Dichloropropane	22.8	2.0	μg/L	20.0	ND	114	20-210			
cis-1,3-Dichloropropene	19.4	2.0	μg/L	20.0	ND	96.8	20-227			
rans-1,3-Dichloropropene	19.2	2.0	μg/L	20.0	ND	96.0	17-183			
Ethylbenzene	21.0	2.0	μg/L	20.0	ND	105	37-162			
Methyl tert-Butyl Ether (MTBE)	19.2	2.0	μg/L	20.0	ND	96.0	70-130			
Methylene Chloride	25.4	5.0	$\mu g \! / \! L$	20.0	ND	127	20-221			
,1,2,2-Tetrachloroethane	21.1	2.0	$\mu g \! / \! L$	20.0	ND	106	46-157			
Γetrachloroethylene	21.2	2.0	$\mu g \! / \! L$	20.0	ND	106	64-148			
Γoluene	20.9	1.0	μg/L	20.0	ND	104	47-150			
1,1,1-Trichloroethane	53.7	2.0	μg/L	20.0	34.6	95.2	52-162			
1,1,2-Trichloroethane	55.7	2.0	μg/L							



QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B218510 - SW-846 5030B										
Matrix Spike (B218510-MS1)	Source	ce: 18K1106-0	01	Prepared: 12	2/05/18 Analyz	red: 12/06/	18			
Trichloroethylene	21.2	2.0	μg/L	20.0	ND	106	70-157			
Trichlorofluoromethane (Freon 11)	20.0	2.0	$\mu g/L$	20.0	ND	99.9	17-181			
Vinyl Chloride	22.4	2.0	$\mu g/L$	20.0	ND	112	20-251			
m+p Xylene	41.8	2.0	μg/L	40.0	ND	105	70-130			
o-Xylene	21.0	2.0	$\mu g/L$	20.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.6		μg/L	25.0		98.4	70-130			
Surrogate: Toluene-d8	25.2		μg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		μg/L	25.0		99.6	70-130			
Matrix Spike Dup (B218510-MSD1)	Source	ce: 18K1106-0	01	Prepared: 12	2/05/18 Analyz	red: 12/06/1	18			
Benzene	20.8	1.0	μg/L	20.0	ND	104	37-151	0.00	61	
Bromodichloromethane	19.4	2.0	μg/L	20.0	ND	97.1	35-155	2.09	56	
Bromoform	19.6	2.0	μg/L	20.0	ND	98.2	45-169	2.21	42	
Bromomethane	21.4	2.0	μg/L	20.0	0.600	104	20-242	11.0	61	
Carbon Tetrachloride	20.1	2.0	μg/L	20.0	ND	101	70-140	0.348	41	
Chlorobenzene	22.1	2.0	μg/L	20.0	ND	110	37-160	1.64	53	
Chlorodibromomethane	20.5	2.0	μg/L	20.0	ND	103	53-149	0.195	50	
Chloroethane	21.4	2.0	μg/L	20.0	ND	107	14-230	1.35	78	
Chloroform	19.7	2.0	μg/L	20.0	ND	98.5	51-138	1.01	54	
Chloromethane	26.4	2.0	μg/L	20.0	ND	132	20-273	1.17	60	
1,2-Dichlorobenzene	21.4	2.0	μg/L	20.0	ND	107	18-190	0.465	57	
1,3-Dichlorobenzene	21.7	2.0	μg/L	20.0	ND	109	59-156	1.69	43	
1,4-Dichlorobenzene	21.0	2.0	μg/L	20.0	ND	105	18-190	1.51	57	
1,2-Dichloroethane	20.7	2.0	μg/L	20.0	ND	104	49-155	1.25	49	
1,1-Dichloroethane	24.5	2.0	μg/L	20.0	1.64	114	59-155	2.54	40	
1,1-Dichloroethylene	23.7	2.0	μg/L	20.0	0.960	114	20-234	1.74	32	
trans-1,2-Dichloroethylene	24.2	2.0	μg/L	20.0	ND	121	54-156	0.0825	45	
1,2-Dichloropropane	22.6	2.0	$\mu g/L$	20.0	ND	113	20-210	0.792	55	
cis-1,3-Dichloropropene	19.1	2.0	$\mu g/L$	20.0	ND	95.6	20-227	1.30	58	
trans-1,3-Dichloropropene	18.7	2.0	$\mu g/L$	20.0	ND	93.6	17-183	2.59	86	
Ethylbenzene	21.6	2.0	$\mu g/L$	20.0	ND	108	37-162	2.96	63	
Methyl tert-Butyl Ether (MTBE)	19.4	2.0	$\mu g/L$	20.0	ND	97.2	70-130	1.29	20	
Methylene Chloride	25.6	5.0	$\mu g/L$	20.0	ND	128	20-221	0.902	28	
1,1,2,2-Tetrachloroethane	21.7	2.0	$\mu g \! / \! L$	20.0	ND	109	46-157	2.85	61	
Tetrachloroethylene	20.8	2.0	$\mu g/L$	20.0	ND	104	64-148	2.24	39	
Γoluene	20.8	1.0	$\mu g/L$	20.0	ND	104	47-150	0.288	41	
1,1,1-Trichloroethane	54.4	2.0	$\mu g \! / \! L$	20.0	34.6	98.9	52-162	1.37	36	
1,1,2-Trichloroethane	19.6	2.0	$\mu g \! / \! L$	20.0	ND	98.2	52-150	3.06	45	
Γrichloroethylene	20.9	2.0	$\mu g/L$	20.0	ND	105	70-157	1.28	48	
Γrichlorofluoromethane (Freon 11)	19.9	2.0	$\mu g \! / \! L$	20.0	ND	99.6	17-181	0.351	84	
Vinyl Chloride	22.3	2.0	$\mu g \! / \! L$	20.0	ND	111	20-251	0.627	66	
m+p Xylene	42.8	2.0	$\mu g \! / \! L$	40.0	ND	107	70-130	2.20	20	
o-Xylene	21.2	2.0	μg/L	20.0	ND	106	70-130	0.853	20	
Surrogate: 1,2-Dichloroethane-d4	24.0		μg/L	25.0		96.2	70-130			
Surrogate: Toluene-d8	25.1		μg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		μg/L	25.0		101	70-130			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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 624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME
Bromoform	CT,NY,MA,NH,RI,NC,ME
Bromomethane	CT,NY,MA,NH,RI,NC,ME
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME
Chloroethane	CT,NY,MA,NH,RI,NC,ME
Chloroform	CT,NY,MA,NH,RI,NC,ME
Chloromethane	CT,NY,MA,NH,RI,NC,ME
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME
Toluene	CT,NY,MA,NH,RI,NC,ME
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC



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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publile Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

Dissolved Metals Samples 2 Preservation Codes: WW - Wate Water DW = Drinking Water X = Sodium Hydroxide **Watrk Cedes:** GW = Ground Wate B = Sodium Bisulfate S = Summa Canister O = Other (please T = Tedlar Bag O = Other (please 0 = Other (please Non Soxhlet A = Amber Glass S = Sulfuric Acid PCB ONLY Preservation Code Soxhlet Field Filtered N = Nitric Acid Field Filtered ☐ Lab to Filter ☐ Lab to Filter Container Code SL = Slidge SOL = Selid M = Methanol ST = Sterile # of Containers **Thiosulfate** P = Plastic = Sodium G = Glass deffne) 3 = Iced V = Vial define) 12 1 1 define) NYSDEC EQUIS EDD EQuIS (Standard) EDD NY Regulatory EDD NY Regs Hits-Only EDD 🖍 Enhanced Data Package Please use the following codes to indicate possible sample concentration WELAC and Allia-LAP LLC Accredited Chromatogram 39 Spruce Street East Longmeadow, MA 01028 AIHA-LAP, LLC H - High; M - Medium; L - Low; C - Clean; U - Unknown ANALYSIS REQUESTED within the Conc Code column above WRTA MWRA School MBTA 4 ¥ 4 4 I CHAIN OF CUSTODY RECORD (New York) NY TOGS ☐ NY CP-51 Program & Requilatory Information Matrix Code ろ <u>ろ</u> メ Municipality Brownfield 10-Day 3-Оау 4-Day Y EXCEL Grab CLP Like Data Pkg Required Part 360 GW (Landfill) **NYC Sewer Discharge** Composite NY Unrestricted Use NY Restricted Use PDF NY Part 375 Government AWO STDS Jue Date: mail To: Ending Date/Time 81/72/11 0089 ax To# ormat: Federal 7-Day Other: 1-Day 2-Day City Project Entity Beginning Date/Time 0815 0810 Roste 146, STE 210, Cliffon Park NY | \$ | C | 110 | C | Phone: 413-525-2332 Email: info@contestlabs.com 000 450 206-6262 Client Sample 10 / Description Ordage 11/27/118 Fax: 413-525-6405 Date/Time: Date/Time: Date/Time: RW-1(MS/MSD) Date/Time Date/Time Mache EFF 46 HZ Trip Blank Arcadis 5. 124cKott Gladding , LOS RW-2 Otselic ナインナットのこと 518-250-7300 L. Whaler N South Con-Test Quote Name/Number COD-KSK plinquighed by; (signature) luished by: (signature) y: (signature eceived by: (signature) ived by: (signature) ved by: (signature) Work Order# Con-Test Invoice Recipient: Company Names Address: 855 Project Location: Project Manager: Project Number: Sampled By: Refinquished Comments Phone: Page 16 of 18

Doc # 380 Rev 1 03242017

http://www.contestlabs.com

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Delivered Tuesday 11/27/2018 at 9:47 am



DELIVERED

Signed for by: B.BECCA

GET STATUS UPDATES OBTAIN PROOF OF DELIVERY

FROM

Syracuse, NY US

TO

E Longmeadow, MA US

Local Scan Time

Shipment Facts

TRACKING NUMBER

783977603257

SERVICE

FedEx Priority Overnight

WEIGHT 13 lbs / 5.9 kgs

DIMENSIONS

15x12x11 in.

DELIVERED TO

Shipping/Receiving

TOTAL PIECES

TOTAL SHIPMENT WEIGHT

13 lbs / 5.9 kgs

TERMS

PACKAGING Third Party Your Packaging

SPECIAL HANDLING SECTION

Deliver Weekday, Additional Handling Surcharge

STANDARD TRANSIT

(?)

11/27/2018 by 10:30 am

SHIP DATE

(?)

Mon 11/26/2018

ACTUAL DELIVERY

Tue 11/27/2018 9:47 am

Travel History

Tuesday, 11/27/2018

9:47 am

E Longmeadow, MA

Delivered

7:59 am

WINDSOR LOCKS, CT

On FedEx vehicle for delivery

7:48 am

WINDSOR LOCKS, CT

At local FedEx facility

2:42 am

NEWARK, NJ

12:09 am

NEWARK, NJ

Departed FedEx location Arrived at FedEx location

Monday, 11/26/2018

8:38 pm

NORTH SYRACUSE, NY

Left FedEx origin facility

Page 17 of 18

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples_____



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Receiv	ed By	RAP		Date	(1	27	118	Time	947	
How were th	ne samples	In Cooler		No Cooler	-		On Ice		No Ice	
recei		Direct from Samp		140 000161		***************************************				
		Direct from Samp	•				Ambient		_ Melted Ice	
Were samp			By Gun#	<u> </u>			Actual Tem	1p- 2.4		•
Temperatu			By Blank #				Actual Tem			
	Custody Se		NA				Tampered		MA	
	COC Relin	•	て	Does	s Chair	n Agre	ee With Sa	mples?	T	•
		eaking/loose caps	on any sam	ples?	F					•
Is COC in in	~				nples re	eceiv	ed within h	olding time?		
Did COC is		Client	<u> </u>	Analysis	I		•	er Name	$\overline{}$	
pertinent Inf		Project		ID's	7-		Collection	Dates/Times	て	
		out and legible?								
Are there La			<u> </u>		Who	was	notified?			
Are there Ru			<u> </u>		Who	was	notified?			
Are there Sh		_	E		Who	was	notified?			
s there enou							7			
		re applicable?	<u> </u>		MS/MS	_	j	_		
Proper Media			T				amples red	quired?	<u> </u>	
Were trip bla			1		On CO	C?_	7	-		
Do all sample	es have the	proper pH?	/ √~	- Acid				Base		
/ials	#	Containers:	#				#			#
Jnp-		1 Liter Amb.		1 Liter l	Plastic			16 oz	Amb.	
HCL-	171	500 mL Amb.		500 mL	****			8oz An	nb/Clear	
/leoh-		250 mL Amb.		250 mL		;		4oz Am	nb/Clear	
Bisulfate-		Flashpoint		Col./Ba					ıb/Clear	
DI- hiosulfate-		Other Glass		Other F					core	
Sulfuric-		SOC Kit		Plastic				Frozen:		
Juliune-		Perchlorate		Ziplo	ock	ennikeekkoesko			014504745544564555555	Day Control
				Unused N	ledia			2.6 (2.1)		
/ials	# !	Containers:	#				#			#
Jnp-		1 Liter Amb.		1 Liter F				16 oz		
ICL- Ieoh-		500 mL Amb.		500 mL				8oz Am		
lisulfate-		250 mL Amb.		250 mL			*****	4oz Am		*****
olsuliate-)I-		Col./Bacteria		Flash				2oz Am		
hiosulfate-		Other Plastic SOC Kit		Other (<u>Enc</u>	ore	
Sulfuric-		Perchlorate		Plastic		+		Frozen:		
Q,1Q(10		i Civilitiale		Ziplo	CK					
comments:										



December 24, 2018

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: 18L0849

Enclosed are results of analyses for samples received by the laboratory on December 18, 2018. 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: 12/24/2018

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0849

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 (MS/MSD)	18L0849-01	Ground Water		EPA 624.1	
RW-2	18L0849-02	Ground Water		EPA 624.1	
EFF 46HZ	18L0849-03	Ground Water		EPA 624.1	
Trip Blank	18L0849-04	Trip Blank Water		EPA 624.1	



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.

Tod E. Kopyscinski Laboratory Director



Project Location: South Otselic, NY Sample Description: Work Order: 18L0849

Date Received: 12/18/2018

Field Sample #: RW-1 (MS/MSD)

Sample ID: 18L0849-01
Sample Matrix: Ground Water

Sampled: 12/16/2018 16:00

								Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Bromomethane	0.90	2.0	0.44	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 18:35	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,2-Dichloroethane	ND	2.0	0.28	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,1-Dichloroethane	1.7	2.0	0.33	μg/L	1	J	EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,1-Dichloroethylene	0.98	2.0	0.25	μg/L	1	J	EPA 624.1	12/19/18	12/20/18 18:35	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Ethylbenzene	ND	2.0	0.37	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Methylene Chloride	ND	5.0	0.42	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Tetrachloroethylene	ND	2.0	0.32	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Toluene	ND	1.0	0.35	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,1,1-Trichloroethane	35	2.0	0.25	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Trichloroethylene	ND	2.0	0.41	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	94.4	70-130		12/20/18 18:35
Toluene-d8	101	70-130		12/20/18 18:35
4-Bromofluorobenzene	100	70-130		12/20/18 18:35

Work Order: 18L0849



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

Project Location: South Otselic, NY Sample Description:

Date Received: 12/18/2018
Field Sample #: RW-2

Sampled: 12/16/2018 16:10

Sample ID: 18L0849-02
Sample Matrix: Ground Water

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	0.34	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Bromodichloromethane	ND	2.0	0.48	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Bromoform	ND	2.0	0.28	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Bromomethane	0.65	2.0	0.44	μg/L	1	J	EPA 624.1	12/19/18	12/20/18 19:06	LBD
Carbon Tetrachloride	ND	2.0	0.39	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,1-Dichloroethane	0.78	2.0	0.33	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,1-Dichloroethylene	0.75	2.0	0.25	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 19:06	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Methylene Chloride	ND	5.0	0.42	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Toluene	ND	1.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,1,1-Trichloroethane	29	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
Vinyl Chloride	ND	2.0	0.30	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
m+p Xylene	ND	2.0	0.65	μg/L	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 19:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.3	70-130		12/20/18 19:06
Toluene-d8	99.8	70-130		12/20/18 19:06
4-Bromofluorobenzene	98.5	70-130		12/20/18 19:06



Project Location: South Otselic, NY Sample Description: Work Order: 18L0849

Date Received: 12/18/2018
Field Sample #: EFF 46HZ

Sampled: 12/16/2018 16:15

Sample ID: 18L0849-03
Sample Matrix: Ground Water

				_				Date	Date/Time	
Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Benzene	ND	1.0	0.34	μg/L	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Bromomethane	0.93	2.0	0.44	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 18:05	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,1-Dichloroethane	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,1-Dichloroethylene	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Methylene Chloride	ND	5.0	0.42	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Toluene	ND	1.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 18:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		12/20/18 18:05
Toluene-d8	101	70-130		12/20/18 18:05
4-Bromofluorobenzene	98.5	70-130		12/20/18 18:05

Work Order: 18L0849



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

Project Location: South Otselic, NY Sample Description:

Date Received: 12/18/2018
Field Sample #: Trip Blank

Sampled: 12/16/2018 00:00

Sample ID: 18L0849-04
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	ND	1.0	0.34	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Bromodichloromethane	ND	2.0	0.48	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Bromoform	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Bromomethane	0.93	2.0	0.44	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 17:34	LBD
Carbon Tetrachloride	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Chlorobenzene	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Chlorodibromomethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Chloroethane	ND	2.0	0.38	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Chloroform	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Chloromethane	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,2-Dichlorobenzene	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,3-Dichlorobenzene	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,4-Dichlorobenzene	ND	2.0	0.39	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,2-Dichloroethane	ND	2.0	0.28	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,1-Dichloroethane	ND	2.0	0.33	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,1-Dichloroethylene	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.40	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,2-Dichloropropane	ND	2.0	0.31	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
cis-1,3-Dichloropropene	ND	2.0	0.47	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
trans-1,3-Dichloropropene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Ethylbenzene	ND	2.0	0.37	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.24	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Methylene Chloride	0.69	5.0	0.42	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Tetrachloroethylene	ND	2.0	0.32	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Toluene	0.39	1.0	0.35	$\mu g/L$	1	J	EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,1,1-Trichloroethane	ND	2.0	0.25	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
1,1,2-Trichloroethane	ND	2.0	0.22	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Trichloroethylene	ND	2.0	0.41	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.27	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
Vinyl Chloride	ND	2.0	0.30	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
m+p Xylene	ND	2.0	0.65	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD
o-Xylene	ND	2.0	0.35	$\mu g/L$	1		EPA 624.1	12/19/18	12/20/18 17:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.5	70-130		12/20/18 17:34
Toluene-d8	101	70-130		12/20/18 17:34
4-Bromofluorobenzene	99.8	70-130		12/20/18 17:34



Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0849-01 [RW-1 (MS/MSD)]	B219567	5	5.00	12/19/18
18L0849-02 [RW-2]	B219567	5	5.00	12/19/18
18L0849-03 [EFF 46HZ]	B219567	5	5.00	12/19/18
18L0849-04 [Trip Blank]	B219567	5	5.00	12/19/18

%REC

RPD



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

QUALITY CONTROL

Spike

Source

Volatile Organic Compounds by GC/MS - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
atch B219567 - SW-846 5030B										
lank (B219567-BLK1)				Prepared: 12	2/19/18 Anal	yzed: 12/20/	18			
enzene	ND	1.0	μg/L							
romodichloromethane	ND	2.0	μg/L							
romoform	ND	2.0	μg/L							
romomethane	1.1	2.0	μg/L							J
arbon Tetrachloride	ND	2.0	μg/L							
hlorobenzene	ND	2.0	μg/L							
hlorodibromomethane	ND	2.0	μg/L							
hloroethane	ND	2.0	μg/L							
hloroform	ND	2.0	μg/L							
hloromethane	ND	2.0	μg/L							
2-Dichlorobenzene	ND	2.0	μg/L							
3-Dichlorobenzene	ND	2.0	μg/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	μg/L							
ans-1,2-Dichloroethylene	ND	2.0	μg/L							
,2-Dichloropropane	ND	2.0	μg/L							
is-1,3-Dichloropropene	ND	2.0	μg/L							
ans-1,3-Dichloropropene	ND	2.0	μg/L							
thylbenzene	ND	2.0	μg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	μg/L							
fethylene 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							
Tinyl Chloride	ND	2.0	μg/L							
n+p Xylene	ND	2.0	μg/L							
-Xylene	ND	2.0	μg/L			0				
urrogate: 1,2-Dichloroethane-d4	23.8		μg/L	25.0		95.1	70-130			
urrogate: Toluene-d8	25.1		μg/L	25.0		100	70-130			
urrogate: 4-Bromofluorobenzene	25.0		μg/L	25.0		99.9	70-130			
CS (B219567-BS1)		1.0	/r		2/19/18 Anal	-				
enzene	19.4	1.0	μg/L	20.0		96.8	65-135			
romodichloromethane	18.7	2.0	μg/L	20.0		93.4	65-135			
romoform	18.3	2.0	μg/L ug/I	20.0		91.6	70-130			
romomethane	13.8	2.0	μg/L	20.0		68.8	15-185			
arbon Tetrachloride hlorobenzene	17.9	2.0	μg/L μα/Ι	20.0		89.4	70-130			
	20.9	2.0	μg/L	20.0		104	65-135			
hlorodibromomethane	19.8	2.0	μg/L	20.0		99.2	70-135			
hloroethane	22.0	2.0	μg/L	20.0		110	40-160			
hloroform	19.1	2.0	μg/L	20.0		95.7	70-135			
hloromethane	25.5	2.0	μg/L	20.0		127	20-205			
2-Dichlorobenzene	20.1	2.0	μg/L	20.0		100	65-135			
2 Diahlandanana						100	70 120			
,3-Dichlorobenzene ,4-Dichlorobenzene	20.0 19.4	2.0 2.0	μg/L μg/L	20.0 20.0		100 97.0	70-130 65-135			



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 B219567 - SW-846 5030B										
LCS (B219567-BS1)				Prepared: 12	2/19/18 Analyz	red: 12/20/	18			
1,1-Dichloroethane	21.7	2.0	μg/L	20.0		108	70-130			
1,1-Dichloroethylene	21.2	2.0	$\mu g/L$	20.0		106	50-150			
rans-1,2-Dichloroethylene	22.4	2.0	$\mu g/L$	20.0		112	70-130			
1,2-Dichloropropane	21.9	2.0	$\mu g/L$	20.0		109	35-165			
cis-1,3-Dichloropropene	19.4	2.0	$\mu g/L$	20.0		96.9	25-175			
rans-1,3-Dichloropropene	19.4	2.0	$\mu g/L$	20.0		97.2	50-150			
Ethylbenzene	19.5	2.0	$\mu g/L$	20.0		97.6	60-140			
Methyl tert-Butyl Ether (MTBE)	19.4	2.0	$\mu g/L$	20.0		97.0	70-130			
Methylene Chloride	25.2	5.0	$\mu g/L$	20.0		126	60-140			
1,1,2,2-Tetrachloroethane	21.0	2.0	$\mu g/L$	20.0		105	60-140			
Tetrachloroethylene	20.0	2.0	$\mu g/L$	20.0		100	70-130			
Γoluene	19.4	1.0	$\mu g/L$	20.0		96.8	70-130			
1,1,1-Trichloroethane	17.3	2.0	μg/L	20.0		86.6	70-130			
1,1,2-Trichloroethane	20.0	2.0	$\mu g/L$	20.0		100	70-130			
Trichloroethylene	19.2	2.0	μg/L	20.0		95.8	65-135			
Trichlorofluoromethane (Freon 11)	18.1	2.0	μg/L	20.0		90.4	50-150			
Vinyl Chloride	20.8	2.0	μg/L	20.0		104	5-195			
n+p Xylene	39.1	2.0	μg/L	40.0		97.7	70-130			
-Xylene	19.4	2.0	μg/L	20.0		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.4		μg/L	25.0		93.5	70-130			
Surrogate: Toluene-d8	25.1		μg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		μg/L	25.0		104	70-130			
Matrix Spike (B219567-MS2)	Sou	rce: 18L0849-	01	Prepared: 12	2/19/18 Analyz	red: 12/21/	18			
Benzene	10.4	1.0	μg/L	10.0	ND	104	37-151			
Bromodichloromethane	9.67	2.0	$\mu g/L$	10.0	ND	96.7	35-155			
Bromoform	8.93	2.0	$\mu g/L$	10.0	ND	89.3	45-169			
Bromomethane	7.07	2.0	$\mu g/L$	10.0	0.900	61.7	20-242			
Carbon Tetrachloride	10.4	2.0	$\mu g/L$	10.0	ND	104	70-140			
Chlorobenzene	10.9	2.0	$\mu g/L$	10.0	ND	109	37-160			
		2.0	μg/L	10.0	NID	99.8	53-149			
Chlorodibromomethane	9.98	2.0		10.0	ND					
Chlorodibromomethane Chloroethane	9.98 11.0	2.0	μg/L	10.0	ND ND	110	14-230			
			μg/L μg/L			110 99.6	14-230 51-138			
Chloroethane	11.0	2.0		10.0	ND					
Chloroethane Chloroform	11.0 9.96	2.0 2.0	$\mu g/L$	10.0 10.0	ND ND	99.6	51-138			
Chloroethane Chloroform Chloromethane	11.0 9.96 14.6	2.0 2.0 2.0	μg/L μg/L	10.0 10.0 10.0	ND ND ND	99.6 146	51-138 20-273			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene	11.0 9.96 14.6 10.0 10.2	2.0 2.0 2.0 2.0	μg/L μg/L μg/L	10.0 10.0 10.0 10.0	ND ND ND ND	99.6 146 100	51-138 20-273 18-190			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	11.0 9.96 14.6 10.0	2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0	ND ND ND ND	99.6 146 100 102	51-138 20-273 18-190 59-156			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane	11.0 9.96 14.6 10.0 10.2 9.85 10.4	2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND ND	99.6 146 100 102 98.5	51-138 20-273 18-190 59-156 18-190			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethane	11.0 9.96 14.6 10.0 10.2 9.85 10.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND	99.6 146 100 102 98.5 104	51-138 20-273 18-190 59-156 18-190 49-155			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND ND ND	99.6 146 100 102 98.5 104 114	51-138 20-273 18-190 59-156 18-190 49-155 59-155			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloroethylene	11.0 9.96 14.6 10.0 10.2 9.85 10.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND ND 1.72 0.980	99.6 146 100 102 98.5 104 114 119	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloroethylene ,2-Dichloropropane	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND 1.72 0.980 ND ND	99.6 146 100 102 98.5 104 114 119 124	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene rans-1,2-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND N	99.6 146 100 102 98.5 104 114 119 124 114	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloropropane iis-1,3-Dichloropropene rans-1,3-Dichloropropene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND 1.72 0.980 ND ND ND	99.6 146 100 102 98.5 104 114 119 124 114 94.9	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloroethylene ,2-Dichloropropane is-1,3-Dichloropropene cans-1,3-Dichloropropene cans-1,3-Dichloropropene cans-1,3-Dichloropropene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND N	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloroethylene ,2-Dichloropropane cis-1,3-Dichloropropene ethylbenzene Methyl tert-Butyl Ether (MTBE)	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4 9.53	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND N	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162 70-130			
Chloroethane Chloroform Chloromethane ,2-Dichlorobenzene ,3-Dichlorobenzene ,4-Dichlorobenzene ,2-Dichloroethane ,1-Dichloroethane ,1-Dichloroethylene rans-1,2-Dichloroethylene ,2-Dichloropropane cis-1,3-Dichloropropene ethylbenzene Methyl tert-Butyl Ether (MTBE) Methylene Chloride	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4 9.53 13.2	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND ND 1.72 0.980 ND	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5 104 95.3	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethylene 1,1-Dichloroethylene 1,2-Dichloropropane 1,3-Dichloropropane 1,3-Dic	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4 9.53 13.2 10.6	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND N	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5 104 95.3 132	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162 70-130 20-221 46-157			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4 9.53 13.2 10.6 10.9	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND ND ND ND ND ND 1.72 0.980 ND	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5 104 95.3 132 106 109	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162 70-130 20-221 46-157 64-148			
Chloroethane Chloroform Chloromethane 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene rans-1,2-Dichloroethylene 1,2-Dichloropropane cis-1,3-Dichloropropene Ethylbenzene Methyl tert-Butyl Ether (MTBE) Methylene Chloride 1,1,2,2-Tetrachloroethane Fetrachloroethylene Fetrachloroethylene	11.0 9.96 14.6 10.0 10.2 9.85 10.4 13.1 12.9 12.4 11.4 9.49 9.05 10.4 9.53 13.2 10.6	2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ND N	99.6 146 100 102 98.5 104 114 119 124 114 94.9 90.5 104 95.3 132	51-138 20-273 18-190 59-156 18-190 49-155 59-155 20-234 54-156 20-210 20-227 17-183 37-162 70-130 20-221 46-157			



QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B219567 - SW-846 5030B										
Matrix Spike (B219567-MS2)	Sourc	ce: 18L0849-()1	Prepared: 12	2/19/18 Analyz	zed: 12/21/1	18			
Trichloroethylene	10.6	2.0	μg/L	10.0	ND	106	70-157			
Trichlorofluoromethane (Freon 11)	10.2	2.0	$\mu g/L$	10.0	ND	102	17-181			
Vinyl Chloride	11.8	2.0	μg/L	10.0	ND	118	20-251			
m+p Xylene	20.4	2.0	μg/L	20.0	ND	102	70-130			
o-Xylene	10.2	2.0	μg/L	10.0	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.5		μg/L	25.0		94.2	70-130			
Surrogate: Toluene-d8	25.2		μg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		μg/L	25.0		101	70-130			
Matrix Spike Dup (B219567-MSD2)	Sourc	ce: 18L0849-(Prepared: 12	2/19/18 Analyz	red: 12/21/1	.8			
Benzene	11.0	1.0	μg/L	10.0	ND	110	37-151	5.58	61	
Bromodichloromethane	10.2	2.0	μg/L μg/L	10.0	ND ND	102	35-155	5.82	56	
Bromoform	9.01	2.0	μg/L μg/L	10.0	ND ND	90.1	45-169	0.892	42	
Bromomethane	8.81	2.0	μg/L μg/L	10.0	0.900	79.1	20-242	21.9	61	
Carbon Tetrachloride	10.9	2.0	μg/L μg/L	10.0	0.900 ND	109	70-140	4.79	41	
Chlorobenzene	11.4	2.0	μg/L	10.0	ND	114	37-160	4.57	53	
Chlorodibromomethane	10.6	2.0	μg/L	10.0	ND	106	53-149	5.65	50	
Chloroethane	12.4	2.0	μg/L μg/L	10.0	ND ND	124	14-230	12.1	78	
Chloroform	10.5	2.0	μg/L μg/L	10.0	ND ND	105	51-138	5.56	54	
Chloromethane	15.2	2.0	μg/L μg/L	10.0	ND ND	152	20-273	4.44	60	
1,2-Dichlorobenzene	10.6	2.0	μg/L μg/L	10.0	ND ND	106	18-190	6.00	57	
1,3-Dichlorobenzene	10.7	2.0	μg/L	10.0	ND ND	107	59-156	4.70	43	
1,4-Dichlorobenzene	10.7	2.0	μg/L	10.0	ND	105	18-190	6.77	57	
1,2-Dichloroethane	10.9	2.0	μg/L	10.0	ND	109	49-155	4.80	49	
1,1-Dichloroethane	14.1	2.0	μg/L	10.0	1.72	124	59-155	7.58	40	
1,1-Dichloroethylene	13.6	2.0	μg/L	10.0	0.980	126	20-234	5.59	32	
trans-1,2-Dichloroethylene	13.0	2.0	μg/L	10.0	0.980 ND	130	54-156	5.19	45	
1,2-Dichloropropane	11.9	2.0	μg/L	10.0	ND	119	20-210	4.54	55	
cis-1,3-Dichloropropene	9.46	2.0	μg/L	10.0	ND	94.6	20-227	0.317	58	
trans-1,3-Dichloropropene	9.53	2.0	μg/L	10.0	ND	95.3	17-183	5.17	86	
Ethylbenzene	10.8	2.0	μg/L	10.0	ND	108	37-162	4.26	63	
Methyl tert-Butyl Ether (MTBE)	10.8	2.0	μg/L	10.0	ND	101	70-130	6.10	20	
Methylene Chloride	14.0	5.0	μg/L	10.0	ND	140	20-221	5.89	28	
1,1,2,2-Tetrachloroethane	10.8	2.0	μg/L	10.0	ND	108	46-157	1.12	61	
Tetrachloroethylene	11.7	2.0	μg/L	10.0	ND	117	64-148	7.53	39	
Γoluene	11.7	1.0	μg/L	10.0	ND	110	47-150	6.66	41	
1,1,1-Trichloroethane	46.4	2.0	μg/L	10.0	35.1	113	52-162	4.36	36	
1,1,2-Trichloroethane	10.8	2.0	μg/L	10.0	ND	108	52-150	6.77	45	
Γrichloroethylene	11.2	2.0	μg/L	10.0	ND	112	70-157	6.33	48	
Frichlorofluoromethane (Freon 11)	11.0	2.0	μg/L	10.0	ND	110	17-181	7.18	84	
Vinyl Chloride	12.4	2.0	μg/L	10.0	ND	124	20-251	4.78	66	
m+p Xylene	21.4	2.0	μg/L	20.0	ND	107	70-130	5.02	20	
o-Xylene	10.7	2.0	μg/L	10.0	ND	107	70-130	5.37	20	
Surrogate: 1,2-Dichloroethane-d4	23.7		μg/L	25.0		94.7	70-130			
Surrogate: Toluene-d8	25.6		μg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	25.3		μg/L μg/L	25.0		101	70-130			



FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	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 is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
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 624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME,VA
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME,VA
Bromoform	CT,NY,MA,NH,RI,NC,ME,VA
Bromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME,VA
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroform	CT,NY,MA,NH,RI,NC,ME,VA
Chloromethane	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Toluene	CT,NY,MA,NH,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME,VA
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME,VA
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC



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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publile Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

Dissolved therais Samples selfulles energianitations Preservation Codes:
= Iced K = Sodium Hydroxide WW - Waste Water DW - Drinking Wate Metrix Cedes: GW = Ground Water B = Sodium Bisulfate ³Container Codes: S = Summa Canister O = Other (please T = Tedlar Bag O = Other (please 0 = Other (please Non Soxhlet A = Amber Glass PCB ONLY S = Sulfuric Acid Soxhlet Preservation Code N = Nitric Acid Field Filtered Field Filtered A = Air S = Soil SL = Siudge SOL = Soild M = Methanol P = Plastic ST = Sterile Lab to Filter Lab to Filter Container Code = Sodium hiosulfate # of Containers G = Glass define) V = Vial define) H HC define) EQuis (Standard) EDD NY Regulatory EDD NY Regs Hits-Only EDD Enhanced Data Package NYSDEC EQUIS EDD Please use the following codes to indicate possible sample concentration NELAC and Allta-LAP, LLC Accredited Chromatogram AIHA-LAP, LLC East Longmeadow, MA 01028 H - High; M - Medium; L - Low; C - Clean; U - Unknown entivereliles REQUESTED 39 Spruce Street within the Conc Code column above **ANALYSIS** WRTA MWRA School MBTA 429 メ * I > ナ ታ Code CHAIN OF CUSTODY RECORD (New York) ☐ NY CP-51 7 NY TOGS Matrix Code ર્જી Municipality Brownfield диподелицу, пексепте 10-Day 4-Day EXCEL. 3-Day Grab CLP Like Data Pkg Required: 4 Part 360 GW (Landfill) **NYC Sewer Discharge** Composite NY Unrestricted Use NY Restricted Use PDF NY Part 375 Government AWQ STDS Ending Date/Time Due Date: imail To: ax To#: こる ormat: Federal 0011 81/11/12 <u>د</u>ه 7-Day 2-Day Other 1-Day City Project Entity Beginning Date/Time 186849 Company Warres.
Address: 855 Rate 146, STE 210, Cliffor Refe, Wy Email: info@contestlabs.com 12/10 Date/Time: 1500 Gladding Cordage Client Sample ID / Description 607-206-6262 Fax: 413-525-6405 R-U-18 Date/Įime; Date/Time: Date/Time: Date/Time: Date/Time: RW-1(ms/msD Trip Blank **EFF** 46 HZ 0000 406 99700 Otselic 22-7 J. Wyckor 3 L.Whalen Phone: 518-250-7300 South Con-Test Quote Name/Number CON-KSK* nquished by: (signature) dinguisked by: (signature) (signature) Received by; (signature) eived by: (kignature) ived by: (signature) Work Order# Con-Test Invoice Recipient: Project Location: Project Number: Project Manager: Retinquished the Sampled By: Comments: Page 16 of 18

Doc # 380 Rev 1_03242017

http://www.contestlabs.com

Table of Contents











DELIVERED

Signed for by: M.PETRATIS

GET STATUS UPDATES OBTAIN PROOF OF DELIVERY

FROM SOL US

то

MA US

Shipment Facts

TRACKING NUMBER

806832457979

SERVICE

FedEx Priority Overnight

WEIGHT

14 lbs / 6.35 kgs

DIMENSIONS

14x11x11 in.

DELIVERED TO

Shipping/Receiving

TOTAL PIECES

1

TOTAL SHIPMENT WEIGHT

14 lbs / 6.35 kgs

TERMS Recipient

PACKAGING

Your Packaging

SPECIAL HANDLING SECTION

Deliver Weekday

STANDARD TRANSIT

(?)

12/18/2018 by 10:30 am

SHIP DATE

3

Mon 12/17/2018

ACTUAL DELIVERY

Tue 12/18/2018 9:59 am

Travel History

Local Scan Time



Tuesday , 12/18/2018

9:59 am

MA

Delivered

8:57 am

WINDSOR LOCKS, CT

On FedEx vehicle for delivery

7:47 am

WINDSOR LOCKS, CT

At local FedEx facility

2:18 am

NEWARK, NJ

Departed FedEx location

12:42 am

NEWARK, NJ

Arrived at FedEx location

Monday , 12/17/2018

7:36 pm

WATERTOWN, NY

Left FedEx origin facility

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I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples_____



Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

How were the samples In Cooler No Cooler On Ice No Ice received? Direct from Sampling Ambient Melted Ice Were samples within Temperature? 2-6°C By Blank # Actual Temp - Was Custody Seal Intact? NA Were Samples Tampered with? Was COC Relinquished? Does Chain Agree With Samples? Are there broken/leaking/loose caps on any samples? Is COC in ink/ Legible? Were Samples received within holding time? Did COC include all Client Analysis Sampler Name pertinent Information? Project ID's Collection Dates/Times Are Sample labels filled out and legible?	
Temperature? 2-6°C By Blank # Actual Temp - Was Custody Seal Intact? Melted Ice Was COC Relinquished? Does Chain Agree With Samples? Are there broken/leaking/loose caps on any samples? Is COC in ink/ Legible? Were Samples received within holding time? Did COC include all Client Analysis Sampler Name pertinent Information? Project ID's Collection Dates/Times	
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Did COC include all Client T Analysis Sampler Name pertinent Information? Project T ID's Collection Dates/Times	
pertinent Information? Project — ID's Collection Dates/Times	
THE SUPERIOR REPORT THOU VOLUME TOURING (
Are there Lab to Filters? Who was notified?	
Are there Rushes? Who was notified?	
Are there Short Holds? Who was notified?	
Is there enough Volume?	
Is there Headspace where applicable? MS/MSD?	
Proper Media/Containers Used? Is splitting samples required?	
Were trip blanks received? T On COC? T	
Do all samples have the proper pH?	
Vialr # Containers: # #	#
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb.	
HCL- (? 500 mL Amb. 500 mL Plastic 8oz Amb/Clear	
Meoh- 250 mL Amb. 250 mL Plastic 4oz Amb/Clear	
Bisulfate- Flashpoint Col./Bacteria 2oz Amb/Clear	
DI- Other Glass Other Plastic Encore	
Thiosulfate- SOC Kit Plastic Bag Frozen:	
Sulfuric- Perchlorate Ziplock	
Unused Media	
Vials # Containers: # #	#
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb.	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb. HCL- 500 mL Amb. 500 mL Plastic 8oz Amb/Clear	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb. HCL- 500 mL Amb. 500 mL Plastic 8oz Amb/Clear Meoh- 250 mL Amb. 250 mL Plastic 4oz Amb/Clear	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb. HCL- 500 mL Amb. 500 mL Plastic 8oz Amb/Clear Meoh- 250 mL Amb. 250 mL Plastic 4oz Amb/Clear Bisulfate- Col./Bacteria Flashpoint 2oz Amb/Clear	
Unp- 1 Liter Amb. 1 Liter Plastic 16 oz Amb. HCL- 500 mL Amb. 500 mL Plastic 8oz Amb/Clear Meoh- 250 mL Amb. 250 mL Plastic 4oz Amb/Clear Bisulfate- Col./Bacteria Flashpoint 2oz Amb/Clear DI- Other Plastic Other Glass Encore	
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