

Upper Blackstone
Water Pollution Abatement District



Pretreatment Annual Report
2016

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1.0 INTRODUCTION

The Upper Blackstone Water Pollution Abatement District is a 45 MGD advanced regional wastewater treatment facility with solids thickening, de-watering, and incineration. The District's treatment plant receives residential and industrial wastewater from the member communities of Worcester, Auburn, Cherry Valley Sewer District, Millbury, Holden, Rutland, West Boylston as well as portions of Paxton, Sutton, Oxford and Shrewsbury. Wastewater flow from Worcester accounts for about 85% of the flow to the treatment plant. The District's National Pollutant Discharge Elimination System (NPDES) permit requires the District to implement a pretreatment program to control industrial waste discharged to the sewer system and the District's treatment facilities in accordance with EPA's general pretreatment regulations. The NPDES permit also contains reporting requirements which specify the submittal of a pretreatment annual report to assess the effectiveness of the District's pretreatment program.

The objectives of the pretreatment program are to: prevent the introduction of pollutants into the treatment plant that will cause pass-through into the receiving stream; prevent interference with the operation of the treatment plant or contaminate sludge; and protect worker health and safety in the collection system and the treatment plant. The District's pretreatment department controls the discharge of industrial wastes to the treatment plant by permitting and enforcing local, state, and federal pretreatment standards for indirect discharges. This past year, one new Industrial Users was permitted and one reinstated permit. In 2016 there were 38 Industries permitted by the pretreatment department, 25 Significant Industrial Users (SIUs) of which 12 are Categorical Industrial Users (CIUs) and 13 Industrial Users (IUs). This annual report documents the District's ongoing effort to control the permitted industrial users.

This report covers the period from January 1, 2016 through December 31, 2016. Section 2 of this report summarizes the pretreatment program's effectiveness during the past year. Sections 3 and 4 summarize the compliance and enforcement data collected on each SIU during the past year. Section 5 is SIUs in significant noncompliance (SNC) and the compliance status of each SIU in SNC. Section 6 is a table summarizing all pollutant analytical results from the influent, effluent, and sludge at the treatment plant. Appendix A is the required EPA form for SIU compliance and enforcement, reporting requirements, and SNC status. Appendix B is a summary of all toxicity test results during the past year. Appendix C is the recently published newspaper article listing the SIUs in SNC.

2.0 PROGRAM EFFECTIVENESS

COMPLIANCE AND ENFORCEMENT

All Significant Industries have been sampled by the District at least once during the past year in order to assess compliance with discharge limits. Most industries have been sampled on a more frequent basis depending on the compliance history of the company and the potential for large slug discharges. The majority of the compliance sampling was conducted by the District without prior notification to the industrial user. This practice ensures the industrial wastewater treatment systems are operating sufficiently on a continuous basis. Each industry was also subject to a facility-wide inspection conducted by District personnel at least once during the past year for all Significant Industrial Users and less frequent for Industrial Users. The facility-wide inspections covered self-monitoring requirements, chemical usage, process discharges, hazardous waste management, and discharge permit compliance, record keeping requirements and operation and maintenance procedures for all pretreatment equipment. Each inspection and sampling visit was conducted in accordance with District's Standard Operating Procedures Manual for inspections and sampling.

The District has continued to implement the EPA approved Enforcement Response Plan (ERP). The ERP defines the range of appropriate enforcement actions based on the nature and severity of the violations and also promotes consistent and timely use of enforcement remedies. During the past year, the District has issued the following enforcement actions against industrial users:

- 9 Notices of Violation
- 4 Civil Penalty
- 2 Administrative Compliance Orders

PUBLIC NOTICE OF INDUSTRIES IN SIGNIFICANT NONCOMPLIANCE

Four Industrial Users were determined to be in SNC for the past year. The companies listed below are located in the Upper Blackstone Water Pollution Abatement District and were found to be in significant noncompliance with industrial pretreatment regulations pursuant to 40 CFR part 403 (General Pretreatment Regulations) and the District's Sewer and Pretreatment Regulations for the period January 1, 2016 through December 31, 2016.

Wyman Gordon Company

VIOLATION: Failed provide Permit Application for reapplication of the permit within 30 days of the due date.

STATUS: The District issued a Notice of Violation and a Civil Penalty. The Company has complied with the Violation and Penalty and returned to compliance.

Saint Gobain Abrasives Inc. "Worcester Abrasives"

VIOLATION: Failed to meet discharge permit limits for copper.

STATUS: The District issued an Administrative Compliance Order and a Civil Penalty. The Company is complying with the, Order and Penalty.

Wright Line LLC

VIOLATION: Failed to meet discharge permit limits for Total Toxic Organics.

STATUS: The District issued a Notice of Violation. The Company has complied with the Notice of Violation and returned to compliance.

F.I.B.A. Technologies, Inc.

VIOLATION: Failed provide Permit Application for reapplication of the permit within 30 days of the due date.

STATUS: The District issued a Civil Penalty. The Company has complied with the Penalty and returned to compliance.

HAULED WASTE

Hauled wastes have the potential to impact the treatment plant. The District continues to manage its Hauled Waste Program. The Standard Operating Procedures includes permitting industrial/commercial generators, routine random sampling of trucks, licensing all haulers, and a card access system. This procedure allows for the proper screening of trucked waste and protection of the treatment plant from pass-through and interference.

The District has had 48 active Industrial/Commercial Hauled Waste Permits in the 2016 year. Each Industrial or Commercial facility has completed a Hauled Waste Permit Application (Baseline Monitoring Report) and has submitted laboratory analysis of a representative sample to be hauled for approval.

All hauled waste is subject to random sampling and analysis. Each industrial/commercial source can be subjected to a facility-wide inspection conducted by District personnel.

Every hauler must be licensed by the District to be allowed to discharge into the Upper Blackstone Water Pollution Abatement District.

There was one Notice of Violation given to a Hauler "Wall Trucking" for discharging mixed loads which are prohibited.

LOCAL LIMITS

The District's NPDES permit requires the submittal of local limits report for industrial discharges in order to further reduce pollutant headworks loadings at the treatment plant. The local limits play an important role in the reduction of pollutant loadings to the District's treatment facility, thereby minimizing and avoiding instances of pass-through and interference with the treatment plant. The purpose of the local limits is to meet stringent NPDES permit limits and also to address other environmental media including: sludge and ash quality, worker health and safety, air emissions, and inhibition in the treatment plant. The District received final approval for the local limits in December 2014.

During the past year, the District made great progress in the enforcement of the approved local limits to Industrial Users. The District has been actively investigating industrial users within the District to be sure local limits are met.

TRAINING, STAFFING AND FUNDING

Pretreatment personnel have continued to attend seminars on proposed and existing regulations, requirements, and procedures for the pretreatment program. District personnel have attended Safety Training and Pretreatment Coordinators Workshop. The District has continued to provide the pretreatment program with adequate staffing, funding, and training.

3.0 COMPLIANCE DATA

The District examines the compliance data for each Permitted SIU and IU in order to issue discharge permits with applicable pretreatment standards and requirements. The table below lists the relevant compliance data collected by the District during the past year for each SIU and IU. The categorical number is the citation found in the code of federal regulations for applicable pretreatment standards for indirect discharges. The BMR column indicates whether or not a Baseline Monitoring Report (BMR) has been submitted to the District. The self-monitoring data column indicates if effluent monitoring data was received by the District. The categorical standards and local standards columns indicate whether or not the company is in significant noncompliance with applicable effluent standards at year's end.

Table 3-1 Compliance Data

Company	Categorical Number (40 CFR)	BMR	Self-Monitoring Data	Permit Number	Categorical Standard Met	Local Standard Met
AbbVie Bioresearch Inc.	439.16	Yes	Received	758	Yes	Yes
AmeriPride Linen and Apparel Services, Inc.	403	Yes	Received	21	N/A	Yes
Angelica Textiles	403	Yes	Received	761	N/A	Yes
A. Schulman Custom Compounding New England Inc.	403	Yes	Received	760	N/A	Yes
Black Oxide Company	413.54	Yes	Received	49	Yes	Yes
Blue Sky BioService	403	Yes	N/A	805	N/A	Yes
Cargill Inc.	403	Yes	Received	801	N/A	Yes
City of Worcester, DPW+P	403	Yes	N/A	802	N/A	Yes
Clariant Plastics & Coating USA INC.	403	Yes	Received	770	N/A	Yes
Coorstek Inc.	403	Yes	Received	794	N/A	Yes
Curtis Industries, LLC	433.15	Yes	Received	789	Yes	Yes
Exhausted Inc.	403	Yes	Received	791	N/A	N/A
FIBA Technologies, Inc.	403	Yes	Received	795	N/A	Yes
Lighting by Hammerworks**	433.17	Yes	N/A	451	N/A	N/A
Independent Plating Co., Inc.	413.14(c)	Yes	Received	431	Yes	Yes
Lewcott Corporation d/b/a/ Barrday Composite Solutions	403	Yes	Received	785	Yes	Yes
L & J of New England, Inc.	413.54(c)	Yes	Received	445	Yes	Yes
Metso Automation	433.15	Yes	Received	182	Yes	Yes
New Method Plating	413.14(c)	Yes	Received	166	Yes	Yes
Polar Corporation Inc.	403	Yes	Received	484	N/A	Yes
Saint Gobain Abrasives, Inc. "Worcester Abrasives"	433.17/403	Yes	Received	201	Yes	Yes
Prema Tech Advanced Ceramics	403	Yes	Received	810	N/A	Yes
Primetals Technologies USA LLC	403	Yes	Received	245	Yes	Yes
Stellar Industries Corp.	433.17	Yes	Received	803	Yes	Yes
TE Connectivity	403	Yes	Received	759	N/A	Yes

Table 3-1 Compliance Data (Continued)

Company	Categorical Number (40 CFR)	BMR	Self-Monitoring Data	Permit Number	Categorical Standard Met	Local Standard Met
University of Massachusetts Medical School	403	Yes	Received	783	N/A	Yes
University of Massachusetts Medical School - Albert Sherman Center	403	Yes	Received	804	N/A	Yes
WCS-One Innovation Drive, Inc. (BioTech 3)	403	Yes	N/A	791	N/A	Yes
WCS-365 Plantation Street, Inc. (Bio Tech 1)	403	Yes	N/A	811	N/A	Yes
WCS-373 Plantation Street, Inc. (Bio Tech 2)*	403	Yes	N/A	812	N/A	Yes
WCS-377 Plantation Street, Inc. (Bio Tech 4)	403	Yes	N/A	797	N/A	Yes
WCS-381 Plantation Street, Inc. (Bio Tech 5)	403	Yes	N/A	799	N/A	Yes
Wheelabrator Millbury Inc.	403	Yes	Received	573	N/A	Yes
WPI Life Science and Bioengineering Center	403	Yes	N/A	793	N/A	Yes
Worcester Polytechnic Institute (WPI)	403	Yes	N/A	806	N/A	Yes
Wright line LLC	433.17	Yes	Received	58	Yes	Yes
Wyman-Gordon Company	471.35(bb)	Yes	Received	798	Yes	Yes

*- New

**-reinstated permit

4.0 ENFORCEMENT DATA

The District conducts routine compliance activities at industrial facilities to determine compliance with discharge permits by performing inspections and sampling. When noncompliance is detected by the District, enforcement activities are initiated to cease the noncompliance. The table on the following page lists all dates of inspection and sampling activities performed by the District during the past year at industrial user facilities. The table also lists the dates of enforcement responses including: compliance schedules, administrative orders, notices of violation, and civil penalties.

Table 4-1 Enforcement Data (2016)

Company	Inspection Date	Sample Dates	Compliance Schedules Issued	Administrative Order	NOV Date	Civil Penalty Amount
AbbVie Bioresearch Inc.	9/27/16	3/15/16 & 9/15/16				
AmeriPride Linen and Apparel Services, Inc.	5/10-12/16	1/6/16 & 5/10/16			1/18/17	
Angelica Textiles	1/5/16	4/20/16				
A. Schulman Custom Compounding New England Inc.	9/19/16	5/25/16 & 8/24/16				
Black Oxide Company	1/12/16	1/12/16				
Blue Sky BioServices	11/1/16	6/7/16				
Cargill Inc.	9/29/16	1/19/16 & 8/2/16				
City of Worcester, DPW+P	11/23/16	3/30/16 & 8/9/16				
Clariant Plastics & Coating USA INC.	2/12/16	6/8/16				
Coorstek Inc.	2/23/16	4/5/16 & 8/2/16				
Curtis Industries, LLC	12/13/16	2/2/16 & 8/3/16				
Exhausted Inc.	8/24/16	0-flow				
FIBA Technologies, Inc.	11/3/16	11/3/16				480.00
Independent Plating Co., Inc.	11/15/16	2/3/16 & 7/18/16				
Lewcott Corporation d/b/a/ Barrday Composite Solutions	5/19/16	0-flow				
Lighting by Hammerworks						
L & J of New England, Inc.	9/21/16	1/20/16 & 7/13/16				
Metso Automation	2/25/16	3/21/16 & 8/22/16				
New Method Plating	11/22/16	1/27/16 & 7/6/16				150.00
Polar Corporation	11/16/16	3/28/16 & 7/11/16			1/19/17	
Prema Tech Advanced Ceramics	6/14/16	6/14/16 & 6/29/16				
Primetals Technologies USA LLC	5/16/16	0-flow				

Table 4-1 Enforcement Data 2015 (Continued)

Company	Inspection Date	Sample Dates	Compliance Schedules Issued	Administrative Order	NOV Date	Civil Penalty Amount
Saint Gobain Abrasives, Inc. "Worcester Abrasives	11/7,8,14/16	4/27-29/16, 6/1/16, 6/22/16 & 7/20/16		5/2/16 9/28/16	3/15/16 6/3/16	900.00
Stellar Industries Corp.	10/12/16	5/4/16 & 10/12/16				
TE Connectivity	1/13/16	5/23/16				
University of Massachusetts Medical School	10/19/16	2/17/16				
University of Massachusetts Medical School - Albert Sherman Center	10/19-20/16	2/17/16				
WCS-265 Plantation Street, Inc. (BioTech 1)	10/5-6/16	5/17/16				
WCS-One Innovation Drive, Inc. (BioTech 3)	10/5-6/16	1/26/16				
WCS-373 Plantation Street, Inc. (BioTech 2)	10/5-6/16					
WCS-377 Plantation Street, Inc. (Bio Tech 4)	10/5-6/16	0-flow				
WCS-381 Plantation Street, Inc. (Bio Tech 5)	10/5-6/16	5/17/16				
Wheelabrator Millbury Inc.	11/29/16	2/10/16 & 8/15/16				
WPI Life Science and Bioengineering Center	10/31/16	3/8/16				
Worcester Polytechnic Institute (WPI)	10/31/16	10/24/16				
Wright line LLC	1/7/16	5/5/16 & 6/29/16			7/28/16 1/20/17	
Wyman-Gordon Company	12/19/16	0-flow			4/25/16	405.00

5.0 INDUSTRIES IN SIGNIFICANT NONCOMPLIANCE

An annual assessment is performed on each SIU to determine compliance with applicable pretreatment standards and requirements for the previous 15 months. The District applies the definition of significant noncompliance in 40 CFR part 403 to evaluate each SIU's compliance status. To determine SNC for effluent limit violations, a rolling 6 month quarterly basis with 4 reporting windows and a total of 15 months of data are utilized. The first three months of data are applied from the previous year beginning on October 1, 2015. The following is a description of the four time frames used in each reporting window for SNC determination:

1. October 1, 2015 - March 31, 2016
2. January 1, 2016 - June 30, 2016
3. April 1, 2016 - September 30, 2016
4. July 1, 2016 - December 31, 2016

Both Technical Review Criteria (TRC) and chronic effluent violations are calculated for each SIU. Reporting violations are also considered significant violations if the reports are more than 30 days late. The worksheets used to calculate SNC are placed in the appropriate SIU file.

The following industries have been defined as being in SNC with the District's pretreatment regulations. A description of the violations is given along with enforcement actions taken by the District to remedy the noncompliance, and the current compliance status:

Wyman-Gordon Company

Wyman Gordon was in SNC for not reapplying for the Permit 60 days prior to the expiration date. The District issued a Notice of Violation and a Civil Penalty. The Company submitted the application 81 days late and is now in compliance.

Saint Gobain Abrasives Inc. "Worcester Abrasives"

Saint Gobain was in SNC for exceeding the copper limit in the first and second quarters of the reporting periods. The Company had twenty five violations for copper between October 1, 2015 and June 30, 2016. The District has issued the Company a Civil Penalty and two Administrative Compliance Orders. The Company has return to compliance with copper, for the past three months.

Wright Line LLC

Wright Line LLC was in SNC for exceeding the Total Toxic Organic limit in the third and fourth quarter of the reporting periods. The District issued a Notice of Violation. The company has returned to compliance.

F.I.B.A. Technologies, Inc.

F.I.B.A. was in SNC for not reapplying for the Permit 60 days prior to the expiration date. The District issued a Civil Penalty. The Company submitted the application 48 day late and is now in compliance.

As specified in 40 CFR 403.8(f)(2)(viii)(A-C), the District is required to comply with the public participation requirements in 40 CFR part 25 for the enforcement of pretreatment standards. The District is required to annually publish the list of industries in significant noncompliance in a newspaper of general circulation that provides meaningful public notice within the jurisdiction served by the POTW of Industrial Users which, at any time during the previous 12 months, were in significant noncompliance with applicable Pretreatment requirements. The objective of the public participation requirement is to deter industrial noncompliance. Appendix C is a copy of the newspaper article which appeared in the Worcester Telegram. The Worcester Telegram is the largest daily local newspaper of general circulation in the area.

6.0 POLLUTANT ANALYTICAL RESULTS

The table below lists the average daily values of pollutants sampled at the treatment plant for influent, effluent, and sludge during 2016. The averages were based on data collected from the District's routine plant sampling. All sampling and analyses were conducted in accordance with EPA approved methods and regulations for the collection, preservation, and analysis of wastewater. Quarterly effluent toxicity reports are shown in Appendix B. Laboratory reports for all analyses are on file in the District's laboratory.

PARAMETER	INFLUENT mg/L	EFFLUENT mg/L	SLUDGE mg/kg DRY WEIGHT	INHIBITION THRESHOLD mg/L	CHRONIC WATER QUALITY mg/L
Arsenic	.007	.006	21	.1	.21
Cadmium	.0004	0	4.3	1.0	.001
Chromium	.003	.001	20.1	10.0	.129
Copper	.052	.0034	340	1.0	.007
Cyanide	.084	0	0	.1	.00057
Lead	.007	.001	48.6	.1	.0015
Mercury	.0008	0	.2	.1	.000013
Nickel	.007	.006	17.1	1.0	.10
Silver	.002	0	0	.25	.00013
Zinc	.106	.034	551	2.0	.06
Aluminum	.687	.023	5,850		.087
Selenium	.006	.005	0		
Thallium	0	0	0		
Beryllium	0	0	0		

APPENDIX A

Annual Report Summary Form

**EPA Region 1 Annual Pretreatment Report Summary Sheet
December 2015**

POTW Name:

NPDES Permit #:

Pretreatment Report Period Start Date:

Pretreatment Report Period End Date:

of Significant Industrial Users (SIUs):

of SIUs Without Control Mechanisms:

of SIUs not Inspected:

of SIUs not Sampled:

of SIUs in Significant Noncompliance (SNC) with Pretreatment Standards:

of SIUs in SNC with Reporting Requirements:

of SIUs in SNC with Pretreatment Compliance Schedule:

of SIUs in SNC Published in Newspaper:

of SIUs with Compliance Schedules:

of Violation Notices Issued to SIUs:

of Administrative Orders Issued to SIUs:

of Civil Suits Filed Against SIUs:

of Criminal Suits Filed Against SIUs:

of Categorical Industrial Users (CIUs):

of CIUs in SNC:

Penalties
Total Dollar Amount of Penalties Collected

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of IUs from which Penalties have been collected:

Local Limits

Date of Most Recent Technical Evaluation of Local Limits:

Date of Most Recent Adoption of Technically Based Local Limits:

Technically Based Local Limits:

Pollutant	Limit	MAHL (lb/day)
Aluminum	168 mg/L	3,141
Arsenic	3.7 mg/L	40
Beryllium	1.2 mg/L	35
Cadmium	0.16 lbs/day ¹	0.220
Chromium	1.3 mg/L	24
Copper	1.09 mg/L	26
Lead	1.0 mg/L	7.35
Mercury	.003 mg/L	.48
Nickel	8.6 mg/L	13.76
Silver	0.5 mg/L	1.64
Zinc	3.7 mg/L	39
Cyanide	2.0 mg/L	4
Total Nitrogen	325 mg/L	9,871
Total Phosphorus	715 lbs/day ¹	1,330

¹Load-based limits will be apportioned between industries appropriate.

APPENDIX B

Toxicity Report Summary



Aquatec Biological Sciences, Inc.

273 Commerce Street
 Williston, VT 05495
 Tel: (802) 860 - 1638 Fax: (802) 658 - 3189

SDG: 14641
Project: 16001

Toxicity Summary Report

Upper Blackstone WPAD
 50 Route 20

Tel: (508) 755-1286
Fax: (508) 755-1289

Millbury, MA 01527

E-Mail: dlavergne@ubwpad.org

Project: Upper Blackstone NPDES

Permit No. MA0102369

Sample Name: **Upper Blackstone WPAD**

Sample ID: **47718**

Method	Species	ACUTE		CHRONIC	
		A-NOEC	A-LC50	C-NOEC	C-LOEC
1002.0	<i>Ceriodaphnia dubia</i>	100	>100	100	>100

Samples Received

Number	Sample Name	Date Time and Collected	Type
47718	Upper Blackstone WPAD	1/11/2016 5:59:00 AM	Effluent
47719	Blackstone River (at BS09B)	1/11/2016 7:54:00 AM	Receiving
47724	Upper Blackstone WPAD	1/13/2016 5:59:00 AM	Effluent
47725	Blackstone River (at BS09B)	1/13/2016 7:40:00 AM	Receiving
47729	Upper Blackstone WPAD	1/15/2016 5:59:00 AM	Effluent
47730	Blackstone River (at BS09B)	1/15/2016 7:27:00 AM	Receiving



Aquatec Biological Sciences, Inc.

273 Commerce Street
 Williston, VT 05495
 Tel: (802) 860 - 1638 Fax: (802) 658 - 3189

SDG: 14742
 Project: 16001

Toxicity Summary Report

Upper Blackstone WPAD
 50 Route 20
 Millbury, MA 01527

Tel: (508) 755-1286
 Fax: (508) 755-1289
 E-Mail: dlavergne@ubwypad.org

Project: Upper Blackstone NPDES **Permit No.** MA0102369

Sample Name: Upper Blackstone WPAD **Sample ID:** 47875

Method	Species	ACUTE		CHRONIC	
		A-NOEC	A-LC50	C-NOEC	C-LOEC
1002.0	<i>Ceriodaphnia dubia</i>	100	>100	100	>100

Samples Received

Number	Sample Name	Date Time and Collected	Type
47875	Upper Blackstone WPAD	4/11/2016 5:59:00 AM	Effluent
47876	Blackstone River (at BS09B)	4/11/2016 9:00:00 AM	Receiving
47877	Upper Blackstone WPAD	4/13/2016 5:59:00 AM	Effluent
47878	Blackstone River (at BS09B)	4/13/2016 9:28:00 AM	Receiving
47883	Upper Blackstone WPAD	4/15/2016 5:59:00 AM	Effluent
47884	Blackstone River (at BS09B)	4/15/2016 10:07:00 AM	Receiving



Aquatec Biological Sciences, Inc.

273 Commerce Street
 Williston, VT 05495
 Tel: (802) 860 - 1638 Fax: (802) 658 - 3189

SDG: 14772
Project: 16001

Toxicity Summary Report

Upper Blackstone WPAD
 50 Route 20

Tel: (508) 755-1286
Fax: (508) 755-1289

Millbury, MA 01527

E-Mail: dlavergne@ubwypad.org

Project: Upper Blackstone NPDES

Permit No. MA0102369

Sample Name: Upper Blackstone WPAD

Sample ID: 47964

Method	Species	ACUTE		CHRONIC	
		A-NOEC	A-LC50	C-NOEC	C-LOEC
1002.0	<i>Ceriodaphnia dubia</i>	100	>100	100	>100

Samples Received

Number	Sample Name	Date Time and Collected	Type
47964	Upper Blackstone WPAD	7/11/2016 5:59:00 AM	Effluent
47965	Blackstone River (at BS09B)	7/11/2016 7:32:00 AM	Receiving
47972	Upper Blackstone WPAD	7/13/2016 5:59:00 AM	Effluent
47973	Blackstone River (at BS09B)	7/13/2016 7:16:00 AM	Receiving
47978	Upper Blackstone WPAD	7/15/2016 5:59:00 AM	Effluent
47979	Blackstone River (at BS09B)	7/15/2016 7:15:00 AM	Receiving



Aquatec Environmental, Inc.

273 Commerce Street
Williston, VT 05495
Tel: (802) 860-2960

Upper Blackstone WPAD
50 Route 20

Tel: (508) 755-1286
E-Mail: dlavergne@ubwpad.org

Millbury, MA 01527

Client ID: Upper Blackstone/LaVergne

Permit No. MA0102369

TOXICITY SUMMARY REPORT:

1002.0 Daphnid, *C. dubia*, Survival and Reproduction Test

Species: *Ceriodaphnia dubia* Reference: EPA-821-R-02-013 SOP: TOX2-002

Test Start: 10/18/2016 3:05:00 PM **Test End:** 10/25/2016 9:50:00 AM

Number	Sample Name	ACUTE		CHRONIC	
		NOEC	LC50	NOEC	LOEC
50034	Upper Blackstone WPAD	100	>100	90	100

SAMPLES RECEIVED:

Number	Sample Name	Date Time and Collected	Type
50034	Upper Blackstone WPAD	10/17/2016 5:59:00 AM	Effluent
50035	Blackstone River (at BS09B)	10/17/2016 7:46:00 AM	Receiving
50040	Upper Blackstone WPAD	10/19/2016 5:59:00 AM	Effluent
50041	Blackstone River (at BS09B)	10/19/2016 7:12:00 AM	Receiving
50044	Upper Blackstone WPAD	10/21/2016 5:59:00 AM	Effluent
50045	Blackstone River (at BS09B)	10/21/2016 7:29:00 AM	Receiving

Submitted By:

1 of 1

Aquatec Environmental, Inc.

Reviewed by: Date:

Monday, November 7, 2016

SDG: 15013

Project 16001



Aquatec Environmental, Inc.

273 Commerce Street
Williston, VT 05495
Tel: (802) 860 - 2960

Upper Blackstone WPAD
50 Route 20

Tel: (508) 755-1286
E-Mail: dlavergne@ubwpad.org

Millbury, MA 01527

Client ID: Upper Blackstone/LaVergne

Permit No. MA0102369

TOXICITY SUMMARY REPORT:

2000.0- Fathead Minnow, *P. promelas*, 48-H Static Acute Survival
48s

Species: *Pimephales promelas* Reference: EPA-821-R-02-012 SOP: TOX2-011

Test Start: 10/22/2016 4:55:00 PM Test End: 10/24/2016 4:40:00 PM

Number	Sample Name	ACUTE		CHRONIC	
		NOEC	% LC50	NOEC	% LOEC
50046	Upper Blackstone WPAD (by-pass)	100			

2002.0- Daphnid, *C. dubia*, 48-H Static Acute Survival
48s

Species: *Ceriodaphnia dubia* Reference: EPA-821-R-02-012 SOP: TOX2-001

Test Start: 10/22/2016 4:55:00 PM Test End: 10/24/2016 4:40:00 PM

Number	Sample Name	ACUTE		CHRONIC	
		NOEC	% LC50	NOEC	% LOEC
50046	Upper Blackstone WPAD (by-pass)	100	>100		

SAMPLES RECEIVED:

Number	Sample Name	Date Time and Collected	Type
50046	Upper Blackstone WPAD (by-pass)	10/21/2016 11:59:00 AM	Effluent
50047	Blackstone River (at BS09B)	10/22/2016 10:10:00 AM	Receiving


Submitted By: 

1 of 1

Friday, November 11, 2016

Aquatec Environmental, Inc.

SDG: 15019

Reviewed by:  Date: 11/11/16

Project 16001a

APPENDIX C

SNC Published

E2 Sunday, February 12, 2017 | SUNDAY TELEGRAM | telegram.com

AUTOMOBILES

DONATE YOUR CAR TO CHARITY. Receive maximum value of write off for your taxes. Running or not! All conditions accepted. Free pickup. Call for details. 855-986-8602

WANTED AUTOS

HIGHEST PRICES
Paid For your junk/unwanted car or truck.
Linder's Inc. (508)756-5125

CADILLAC

CADILLAC DEVILLE 2004. Polar white / flawless tan leather. ELDERLY DRIVEN 115k well cared for miles. Excellent condition throughout. \$2950. AARLE 508-769-3557

CHEVROLET

CHEVROLET COLORADO Ext. Cab. 2006, 4 cyl. Auto, 2WD, recent tires, just serviced. \$3950. AARLE 508-769-3557

CHEVROLET CORVETTE '77. 30,000mi on a new engine. New paint, new carpet & new leather interior. Just a beautiful car! Serious inquiries ONLY! Asking \$18,035. (508) 509-1596.

CHEVROLET PICKUP Truck, 3/4 Ton, 1996, 4x4, Auto, Diamond Plow, Many recent parts & repairs, has some rust, needs trans work, \$2,841. 508-868-3343

DODGE

CHEVROLET SPARK 2014, 2LT Sedan, 4 Doors 4 cyl. Silver exterior/Gray heated leather interior - 20000 miles. FWD. Exc. cond. NO-ONE. Cruise, alloy wheels, fully loaded. 7950 (774) 239-2800. motomariand@gmail.com

DODGE AVENGER 2008 SXI Sedan, 4 Doors 4 cylinders Tan exterior/Charcoal cloth interior. 54K. FWD Exc cond. auto trans, fully loaded, new tires and brakes, fully serviced like new. 6950. (774) 239-2800. motomariand@gmail.com

HONDA

HONDA CIVIC 101 AWD. Sunroof, alloys, roof rack, just serv. brakes, tires, struts. \$4650. AARLE 508-769-3557

HYUNDAI

HYUNDAI SONATA 2010 Limited Sedan, 4 drs, Pearl White ext/Tan heated leather, 47K. FWD Exc cond. Auto trans, moon roof, CD, 40, alloy wheels, fully loaded, new tires and brakes, fully serviced like new. 7950. 774-239-2800. motomariand@gmail.com

LEXUS

LEXUS ES350 2009. 44k miles 1 professional owner. Pristine condition. \$15,930. New Michelin tires. See it at Haddad Auto Detail. 508-335-9271

AUTO SALVAGE

HIGHEST PRICES
Paid for your junk/unwanted car or truck.
Linder's Inc. (508)756-5125

LEGAL NOTICES

BERLIN-BOYLSTON PUBLIC SCHOOLS FY 2016 BUDGET HEARING DATES

Boylston Elementary School Budget
Monday, February 27, 2017 @ 6:30 P.M.
Tahanto Regional Middle-High School
Multi-Purpose Room
1001 Main Street
Boylston, MA

Tahanto Regional Middle-High School Budget
Monday, February 27, 2017 @ 7:15 P.M.
Tahanto Regional Middle-High School
Multi-Purpose Room
1001 Main Street
Boylston, MA

Berlin Memorial School Budget
Wednesday, March 1, 2017 @ 7:30 p.m.
Berlin Memorial School
Library
34 South Street
Berlin, MA

<http://www.maspublishnotices.org/>
February 12, 2017

POLITICAL CALENDAR RELATING TO THE ANNUAL TOWN ELECTION - TUESDAY, MAY 2, 2017 AND MEETING - TUESDAY, JUNE 6, 2017

NOMINATION PAPERS ARE AVAILABLE FOR THE FOLLOWING TOWN SEATS IN THE TOWN CLERK'S OFFICE, DURING REGULAR OFFICE HOURS.

#	OFFICE	TERM
(1)	SELECTMAN	FOR 3 YEARS
(1)	ASSESSOR	FOR 3 YEARS
(1)	BOARD OF HEALTH MEMBER	FOR 3 YEARS
(2)	LIBRARY TRUSTEES	FOR 3 YEARS
(1)	WATER COMMISSIONER	FOR 3 YEARS
(1)	COMMON COMMITTEE MEMBER	FOR 3 YEARS
(1)	PLANNING BOARD MEMBER	FOR 5 YEARS
(1)	PLANNING BOARD MEMBER	FOR 2 YEARS
(1)	HOUSING AUTHORITY	FOR 5 YEARS

SCHOOL COMMITTEE PAPERS ARE OBTAINED THROUGH THE QUABOAG REGIONAL DISTRICT OFFICE AND FOLLOW THE SCHOOLS ELECTION CALENDAR. THESE PAPERS MUST BE RETURNED TO THE QUABOAG REGIONAL DISTRICT OFFICE.

TUESDAY, MARCH 14, 2017 IS THE LAST DAY TO SUBMIT NOMINATION PAPERS TO THE TOWN CLERK'S OFFICE.

THE LAST DAY TO REGISTER TO VOTE BEFORE THE TOWN ELECTION AND MEETING IS WEDNESDAY, APRIL 12, 2017 FROM 9:00 AM-8:00 PM.

PUBLIC NOTICE OF INDUSTRIAL IN SIGNIFICANT NONCOMPLIANCE
Four industrial users were determined to be in S40C for the past year. The companies listed below are located in the upper Blackstone Water Pollution Abatement District and were found to be in significant non-compliance with industrial pretreatment regulations pursuant to 40 CFR part 403 (General Pretreatment Regulations) and the District's Sewer and Pretreatment Regulations for the period January 1, 2016 through December 31, 2016.

Woman Garden Company
VIOLATION: Failed provide Permit Application for reapplication of the permit within 30 days of the due date.
STATUS: The District issued a notice of violation and a Civil Penalty. The Company has complied with the Violation and Penalty and returned to compliance.

Saint Gobain Abrasives, Inc., Worcester
VIOLATION: Failed to meet discharge permit limits for copper.
STATUS: The District issued an Administrative Compliance Order and a Civil Penalty. The Company is complying with this Order and Penalty.

Wright Line LLC
VIOLATION: Failed to meet discharge permit limits for Total Toxic Organics.
STATUS: The District issued a Notice of Violation. The Company has complied with the Notice of Violation and returned to compliance.

F.I.R.A. Technologies, Inc.
VIOLATION: Failed provide Permit Application for reapplication of the permit within 30 days of the due date.
STATUS: The District issued a Civil Penalty. The Company has complied with the Penalty and returned to compliance.

MARKETPLACE

DOGS

MORICE PUPPY
1/2 Yorkshire Terrier 1/2 Maltese,
\$850. Call 860-774-2711

SHITZU PUPPY
ACA, Male. \$850.
860-315-0759

YEDDY BEAR PUPPY 1/2 Shitzu 1/2 Bichon.
\$850. Shots and wormed.
860-779-3253

WEST HIGHLAND White terrier ACA, Shots and Wormed, Male \$900.
860-774-2711

INFORMATION

PRAYERS

A PRAYER TO THE BLESSED VIRGIN
(Never Found to Fail)
O Most beautiful Flower of Mount Carmel Fruitful Vine, Splendid of Heaven, Blessed Mother of the Son of God, Immaculate Virgin assist me in this, my necessity. O Star of the Sea help me and show me herein you are my Mother, O Holy Mary, Mother of God, Queen of Heaven and Earth, I humbly beseech you from the bottom of my heart, to succor me in this necessity; there are none that can withstand your power, O, show me herein you are my Mother O Mary convinced without sin, pray for us who have recourse to thee (3 times) Holy Mary I place this cause in your hands. (3 times) Sweet Mother! pray for this cause in your hands. (3 times) Holy Spirit, resolve all problems, light all roads so that I can attain my goal. You gave me the divine gift to forgive and forget all evil against me in that in all instances for my life, you are with me. I want this short prayer to thank you for all things as you confirm once again that I never want to be separated from you even in spite of material things. I wish to be with you in eternal glory. Thank you for your mercy towards me and mine. The person must say this prayer on 3 consecutive days. After 3 days the request will be granted. This prayer must be published after the prayer is granted.

ARTICLES FOR SALE

CHAIN SAW CHAINS (3) FOR 140L BAR, 3 CHAINS SHARPENED AND READY TO GO. DO NOT HAVE THIS SIZE BAR ANYMORE. ONLY FIT A 14 IN. BAR. CALL PHONE FOR MORE INFO. \$25.00 (508) 949-1320

PATRIOTS PLAYER JERSEY 3 BOSTONWORLD (REBOCK) AUTHENTIC JERSEY SIZE X L, BLUE/SILVER, WORN 3 TIMES, GREAT SHAPE. \$35.00. CALL PHONE FOR MORE INFO. (508) 949-1320. MONTY213@aol.com

WORCESTER COUNTY Memorial Park, 2 cemetery plots, Heritage II section, \$2800 each or best offer. Call 508-852-8497.

BUILDING CONTRACTORS/ HOME REPAIR

BATHROOM UPDATES can be quick and affordable with BathWrap! Call 855-397-8605 for a free in home consultation.

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GO! MOLD? Protect your family! Get professional mold remediation for your home. Safe. Effective. Call for a free quote: 855-565-4540

COAL WOOD & OIL

Seasoned cord wood for sale, cut and split. Will deliver in Worcester area for a fee. Call Jack @ 508-641-0354 \$250.00 per cord. Minimum one cord

ELECTRICIANS

PAUL PALUMBO ELECTRIC Master Electrician #A11543 for all your Comm & Res needs. Veterans & SR Disc 508-865-3288 or 508-277-1529

FITNESS/HEALTH

DIGITAL HEARING AIDS - Now offering a 45-day RISK FREE TRIAL FREE EAR EXAMS for LIFE! Call to start your free trial. 855-228-0186

LIVING WITH KNEE OR BACK PAIN? Medicare recipients that suffer with pain may qualify for a low or no cost knee or back brace. Call 877-920-7178

Lowest Prices on Health Insurance. Call Now! 877-339-5281.

OXYGEN - Anytime. Anywhere. No tanks to refill. No deliveries. The All-New Inogen One G4 is only 2.5 pounds! FAA approved. FREE info kit 844-746-5821

LAWN & GARDEN/LANDSCAPING

LEAHY EXCAVATING
Trucking, sand & gravel, septic pump/install. Portable toilet rental. Spring quotes: 508-629-2180

MISCELLANEOUS

AUTO INSURANCE STARTING AT \$25 / MONTH! Call 888-320-7567.

DIVORCE

\$350

Covers Children, etc. Only ONE Signature Required!

*Excludes gov't fees
For A Local Office Call

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LUNG CANCER? And/Or Your Family May Be Cash Award. Call 866- No Risk. No Money Out

PREGNANT? CONSIDER first. Living expenses, 1st time support after by of your choice. Call 7

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