FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
BOSTON, MA 02109-3912

CERTIFIED MAIL RETURN RECEIPT REQUESTED

MAR 18 2014

Mark Powers
Superintendent
MCRT Northeast Construction LLC
82 North Main Street
Natick, MA 01760

Re: Authorization to discharge under the Remediation General Permit (RGP) – MAG910000. Former Natick paperboard factory site located at 82 North Main Street, Natick, MA 01760, Middlesex County; Authorization # MAG910611

Dear Mr. Powers:

Based on the review of a Notice of Intent (NOI) submitted by William J. Gibbons from the Vertex Companies Inc., on behalf of MCREF Natick Development LLC (MCREF), for the site referenced above, the U.S. Environmental Protection Agency (EPA) hereby authorizes you, as the named Operator, to discharge in accordance with the provisions of the RGP at that site. Your authorization number is listed above.

The checklist enclosed with this RGP authorization indicates the pollutants which you are required to monitor. Also indicated on the checklist are the effluent limits, test methods and minimum levels (MLs) for each pollutant. Please note that the checklist does not represent the complete requirements of the RGP. Operators must comply with all of the applicable requirements of this permit, including influent and effluent monitoring, narrative water quality standards, record keeping, and reporting requirements, found in Parts I and II, and Appendices I – VIII of the RGP. See EPA's website for the complete RGP and other information at: http://www.epa.gov/region1/npdes/mass.html#dgp.

Please note the enclosed checklist includes parameters your consultant has marked "Believed Present". The checklist also includes the parameters oil and grease and PCBs. These were reported in the NOI and monitoring is needed to protect the receiving stream from potentially contaminated discharges that may result due to the historic contamination at the site.

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to discharge limitations based on a dilution factor range (DFR). Lake Cochituate is classified as stationary waters; EPA determined that the DFR for each parameter for this body of water is in the one and five (1-5) range. (See the RGP

Appendix IV for Massachusetts facilities) Therefore, the limit for antimony of 5.6 ug/L, arsenic of 10 ug/L, cadmium of 0.2 ug L, Trivalent Chromium of 48.8 ug/L, copper of 5.2 ug/L, lead of 1.3 ug/L, nickel of 29 ug/L, zinc of 66.6 ug/L, and iron of 1,000 ug/L, are required to achieve permit compliance at your site

Finally, please note the checklist of pollutants attached to this authorization is subject to a recertification if the operations at the site result in a discharge lasting longer than six months. A recertification can be submitted to EPA within six (6) to twelve (12) months of operations in accordance with the 2010 RGP regulations.

This general permit and authorization to discharge will expire on September 9, 2015. You have reported that this project will terminate on 12/01/2014. If for any reason the discharge terminates sooner you are required to submit a Notice of Termination (NOT) to the attention of the contact person indicated below within 30 days of project completion.

Thank you in advance for your cooperation in this matter. Please contact Victor Alvarez at 617-918-1572 or Alvarez.Victor@epa.gov, if you have any questions.

Sincerely,

Thelma Murphy

Thelma Murphy, Chief
Storm Water and Construction
Permits Section

Enclosure

cc: Robert Kubit, MassDEP
Thomas C. Collins, Natick PWD
William J. Gibbons, Vertex Company, Inc.

2010 Remediation General Permit
Summary of Monitoring Parameters[1]

NPDES Authorization Number:	**MAG910611**
Authorization Issued:	March, 2014
Facility/Site Name:	Former Natick Paperboard (factory) site
Facility/Site Address:	82 Main Street ,Natick , MA 01760 Middlesex County
	Email address of owner: JLAMBERT@ MCRTRUST.COM, MCREF Natick Development RCC
Legal Name of Operator:	MACRT Northeast Construction LLC
Operator contact name, title, and Address:	Mark Powers, Superintendent, 82 main street, Natick, MA 01760, Middlesex County
	Email: MPowers@MCRTRUST.COM
Estimated date of The Project Completion:	December 1, 2014
Category and Sub-Category:	Category III. Sub-category B Contaminated Construction Sites
RGP Reissuance Date:	September 15, 2015
Receiving Water:	Lake Cochituate

Monitoring & Limits are applicable if checked. All samples are to be collected as grab samples

	Parameter	**Effluent Limit/Method#/ML** (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
√	1. Total Suspended Solids (TSS)	30 milligrams/liter (mg/L) **, 50 mg/L for hydrostatic testing ** Me#160.2/ML5ug/L
	2. Total Residual Chlorine (TRC) [1]	Freshwater = 11 ug/L ** Saltwater = 7.5 ug/L **/ Me#330.5/ML 20ug/L
√	3. Total Petroleum Hydrocarbons (TPH)	5.0 mg/L/ Me# 1664A/ML 5.0mg/L
√	4. Cyanide (CN) [2, 3]	Freshwater = 5.2 ug/l ** Saltwater = 1.0 ug/L **/ Me#335.4/ML 10ug/L
	5. Benzene (B)	5ug/L /50.0 ug/L for hydrostatic testing only/ Me#8260C/ML 2 ug/L
	6. Toluene (T)	(limited as ug/L total BTEX)/ Me#8260C/ ML 2ug/L
	7. Ethylbenzene (E)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
	8. (m,p,o) Xylenes (X)	(limited as ug/L total BTEX) Me#8260C/ ML 2ug/L
	9. Total Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) [4]	100 ug/L/ Me#8260C/ ML 2ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
	10. Ethylene Dibromide (EDB) (1,2- Dibromoethane)	0.05 ug/l/ Me#8260C/ ML 10ug/L
	11. Methyl-tert-Butyl Ether (MtBE)	70.0 ug/l/Me#8260C/ML 10ug/L
	12.tert-Butyl Alcohol (TBA) (TertiaryButanol)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	13. tert-Amyl Methyl Ether (TAME)	Monitor Only(ug/L)/Me#8260C/ML 10ug/L
	14. Naphthalene [5]	20 ug/L /Me#8260C/ML 2ug/L
	15. Carbon Tetrachloride	4.4 ug/L /Me#8260C/ ML 5ug/L
	16. 1,2 Dichlorobenzene (o-DCB)	600 ug/L /Me#8260C/ ML 5ug/L
	17. 1,3 Dichlorobenzene (m-DCB)	320 ug/L /Me#8260C/ ML 5ug/L
	18. 1,4 Dichlorobenzene (p-DCB)	5.0 ug/L /Me#8260C/ ML 5ug/L
	18a. Total dichlorobenzene	763 ug/L - NH only /Me#8260C/ ML 5ug/L
	19. 1,1 Dichloroethane (DCA)	70 ug/L /Me#8260C/ ML 5ug/L
	20. 1,2 Dichloroethane (DCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	21. 1,1 Dichloroethene (DCE)	3.2 ug/L/Me#8260C/ ML 5ug/L
	22. cis-1,2 Dichloroethene (DCE)	70 ug/L/Me#8260C/ ML 5ug/L
	23. Methylene Chloride	4.6 ug/L/Me#8260C/ ML 5ug/L
	24. Tetrachloroethene (PCE)	5.0 ug/L/Me#8260C/ ML 5ug/L
	25. 1,1,1 Trichloro-ethane (TCA)	200 ug/L/Me#8260C/ ML 5ug/L
	26. 1,1,2 Trichloro-ethane (TCA)	5.0 ug/L /Me#8260C/ ML 5ug/L
	27. Trichloroethene (TCE)	5.0 ug/L /Me#8260C/ ML 5ug/L
	28. Vinyl Chloride (Chloroethene)	2.0 ug/L /Me#8260C/ ML 5ug/L
	29. Acetone	Monitor Only(ug/L)/Me#8260C/ML 50ug/L
	30. 1,4 Dioxane	Monitor Only /Me#1624C/ML 50ug/L
	31. Total Phenols	300 ug/L Me#420.1&420.2/ML 2 ug/L/ Me# 420.4 /ML 50ug/L
	32. Pentachlorophenol (PCP)	1.0 ug/L /Me#8270D/ML 5ug/L,Me#604 &625/ML 10ug/L
	33. Total Phthalates (Phthalate esters) [6]	3.0 ug/L ** /Me#8270D/ML 5ug/L, Me#606/ML 10ug/L& Me#625/ML 5ug/L
√	34. Bis (2-Ethylhexyl) Phthalate [Di- (ethylhexyl) Phthalate]	6.0 ug/L /Me#8270D/ML 5ug/L,Me#606/ML 10ug/L & Me#625/ML 5ug/L
√	35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	10.0 ug/L
√	a. Benzo(a) Anthracene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L

	Parameter	Effluent Limit/Method#/ML (All Effluent Limits are shown as Daily Maximum Limit, unless denoted by a **, in that case it will be a Monthly Average Limit)
√	b. Benzo(a) Pyrene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	c. Benzo(b)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	d. Benzo(k)Fluoranthene [7]	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	e. Chrysene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
	f. Dibenzo(a,h)anthracene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
√	g. Indeno(1,2,3-cd) Pyrene [7]	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML5ug/L
	36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	100 ug/L
	h. Acenaphthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	i. Acenaphthylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	j. Anthracene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	k. Benzo(ghi) Perylene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	l. Fluoranthene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	m. Fluorene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
	n. Naphthalene [5]	20 ug/l / Me#8270/ML 5ug/L, Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	o. Phenanthrene	X/Me#8270D/ML 5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	p. Pyrene	X/Me#8270D/ML5ug/L,Me#610/ML 5ug/L & Me#625/ML 5ug/L
√	37. Total Polychlorinated Biphenyls (PCBs) [8, 9]	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
√	38. Chloride	Monitor only/Me# 300.0/ ML 100 ug/L

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12]		Minimum level=ML	
		Freshwater			
√	39. Antimony	5.6/ML 10		ML	10
√	40. Arsenic **	10/ML20		ML	20

	Metal parameter	Total Recoverable Metal Limit @ H [10]= 50 mg/l CaCO3 for discharges in Massachusetts (ug/l) [11/12] Freshwater	Minimum level=ML	
√	41. Cadmium **	0.2/ML10	ML	10
√	42. Chromium III (trivalent) **	48.8/ML15	ML	15
	43. Chromium VI (hexavalent) **	11.4/ML10	ML	10
√	44. Copper **	5.2/ML15	ML	15
√	45. Lead **	1.3/ML20	ML	20
	46. Mercury **	0.9/ML0.2	ML	02
√	47. Nickel **	29/ML20	ML	20
	48. Selenium **	5/ML20	ML	20
	49. Silver	1.2/ML10	ML	10
√	50. Zinc **	66.6/ML15	ML	15
√	51. Iron	1,000	ML	20

	Other Parameters	Limit
√	52. Instantaneous Flow	Site specific in CFS
√	53. Total Flow	Site specific in CFS
√	54. pH Range for Class A & Class B Waters in MA	6.5-8.3; 1/Month/Grab[13]
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab[13]
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab[13]
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab[14]
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab[14]
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab[14]
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab[14]
	61. Maximum Change in Temperature in MA – Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab[14]
	62. Maximum Change in Temperature in MA – Any Class SA water body - Coastal	1.5°F; 1/Month/Grab[14]
	63. Maximum Change in Temperature in MA – Any Class SB water body - July to September	1.5°F; 1/Month/Grab[14]
	64. Maximum Change in Temperature in MA –Any Class SB water body - October to June	4°F; 1/Month/Grab[14]

Footnotes:

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).

[1] Although the maximum values for TRC are 11ug/l and 7.5 ug/l for freshwater, and saltwater respectively, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., Method 330.5, 20 ug/l).
[2] Limits for cyanide are based on EPA's water quality criteria expressed as micrograms per liter. There is currently no EPA approved test method for free cyanide. Therefore, total cyanide must be reported.
[3] Although the maximum values for cyanide are 5.2 ug/l and 1.0 ug/l for freshwater and saltwater, respectively, the compliance limits are equal to the minimum level (ML) of the Method 335.4 as listed in Appendix VI (i.e., 10 ug/l).
[4] BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.
[5] Naphthalene can be reported as both a purgeable (VOC) and extractable (SVOC) organic compound. If both VOC and SVOC are analyzed, the highest value must be used unless the QC criteria for one of the analyses is not met. In such cases, the value from the analysis meeting the QC criteria must be used.
[6] The sum of individual phthalate compounds(not including the #34, Bis (2-Ethylhexyl) Phthalate . The compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measurement of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[7] Although the maximum value for the individual PAH compounds is 0.0038 ug/l, the compliance limits are equal to the minimum level (ML) of the test method used as listed in Appendix VI.
[8] In the November 2002 WQC, EPA has revised the definition of Total PCBs for aquatic life as total PCBs is the sum of all homologue, all isomer, all congener, or all "Oroclor analyses."Total values calculated for reporting on NOIs and discharge monitoring reports shall be calculated by adding the measured concentration of each constituent. If the measure of a constituent is less than the ML, the permittee shall use a value of zero for that constituent. For each test, the permittee shall also attach the raw data for each constituent to the discharge monitoring report, including the minimum level and minimum detection level for the analysis.
[9]Although the maximum value for total PCBs is 0.000064 ug/l, the compliance limit is equal to the minimum level (ML) of the test method used as listed in Appendix VI (i.e., 0.5 ug/l for Method 608 or 0.00005 ug/l when Method 1668a is approved).
[10] Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.
[11] For a Dilution Factor (DF) from 1 to 5, metals limits are calculated using DF times the base limit for the metal. See Appendix IV. For example, iron limits are calculated using DF x 1,000ug/L (the iron base limit). Therefore DF is 1.5, the iron limit will be 1,500 ug/L; DF 2, then iron limit =1,000 x 2 =2,000 ug/L., etc. not to exceed the DF=5.
[12] Minimum Level (ML) is the lowest level at which the analytical system gives a recognizable signal and acceptable calibration point for the analyte. The ML represents the lowest concentration at which an analyte can be measured with a known level of confidence. The ML is calculated by multiplying the laboratory-determined method detection limit by 3.18 (see 40 CFR Part 136, Appendix B).
[13] pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.
[14] Temperature sampling per Method 170.1

The Vertex Companies, Inc.
400 Libbey Parkway
Weymouth, MA 02189
PHONE 781.952.6000 | FAX 781.335.3543
www.vertexeng.com

March 3, 2014

Mr. Victor Alvarez
United States EPA
5 Post Office Square, Suite 100
Mail Code OEP06-4
Boston, MA 02109-3912
Attn: Remediation General Permit NOI Processing

RE: Former Natick Paperboard
82 North Main Street
Natick, MA 01760
MassDEP RTN 3-26050

Dear Mr. Alvarez,

The Vertex Companies, Inc. (VERTEX) is pleased to present this Notice of Intent (NOI) for a Remediation General Permit (RGP) on behalf of MCREF Natick Development LLC (MCREF) (the Owner) at the property identified as Former Natick Paperboard located at 82 North Main Street, Middlesex County, Massachusetts (the Site). A site locus map is provided in Figure 1. The NOI is provided in Appendix A.

General Facility/Site Information

The Site was the former location of The Newark Group Inc.'s (TNG's) Natick Paperboard facility. The former buildings have been demolished and the Site property is now vacant and will be undergoing redevelopment as a multi-family residential property. The Site is currently listed by the Massachusetts Department of Environmental Protection (MassDEP) as a Disposal Site under Release Tracking Number (RTN) 3-26050. Environmental investigations undertaken at the Site identified oil and hazardous materials (OHM) impacts, including releases of fuel oil, non-polychlorinated biphenyl (PCB) transformer oil, polycyclic aromatic hydrocarbons (PAHs), and heavy metals to the soil and/or groundwater. Four secondary RTNs have been linked to the primary RTN. The secondary RTNs are 3-27834, 3-31148, 3-31428, and 3-28351. Extensive areas of impacted soils were excavated and the soil disposed of offsite in 2013. Groundwater sampling and analysis conducted after soil excavation detected dissolved arsenic concentrations exceeding Massachusetts Contingency Plan (MCP) GW-1 groundwater standards at two locations and dissolved antimony concentrations exceeding MCP GW-1 groundwater standards at one location. Additional groundwater sampling and analysis was conducted and delineated the extent of the dissolved arsenic and antimony to be limited. MCP response actions are ongoing at the Site property.

Redevelopment of the Site includes the construction of multi-family residential buildings and the installation of new utilities and infrastructure, new paved parking lots, driveways and walkways, and landscaped areas. Response actions under the MCP which include implementation of a Release Abatement Measure (RAM) will be conducted at the Site in conjunction with the proposed redevelopment. The proposed RAM Plan pertains to three (3) specific focused remediation areas of the Site identified as:

- RAM Area A, a limited area of dissolved arsenic in groundwater and historical fill materials in the northern portion of the Site;
- RAM Area B, a limited area of dissolved arsenic in groundwater in the central portion of the Site, and;
- RAM Area C, a limited area of dissolved antimony in groundwater in the southern portion of the Site.

Discharge and Receiving Waters Information

As shown in Figure 3, the receiving water for the treated discharge is Lake Cochituate, via storm drains. According to the MassDEP Division of Water Pollution Control, Lake Cochituate is classified as Class B Surface Water and is not considered a drinking water source.

Dilution Factor and Receiving Waters Information

A Dilution Factor (DF) was estimated for the detected levels of metals in accordance with the procedure contained in MAG910000, Appendix V. The purpose of the DF is to establish Total Recoverable Limits for metals taking into consideration anticipated dilution upon discharge into Lake Cochituate, a Class B Surface Water. The calculated DF was then used to identify the appropriate Dilution Range Concentrations (DRCs) contained in Appendix IV of MAG910000. As the receiving water body is a static lake, a DF of 1 shall apply to the site.

Due to the presence of shallow groundwater, it is anticipated that the maximum and average discharge rate would be 100 gallons/minute (GPM) for the majority of the discharge duration.

Contaminant Information

To complete Section 3b of the NOI Form, the following table is presented to compare maximum influent metals concentrations to Appendix III Effluent Limits (Step 1).

Metal	Appendix III Limit	Units	Maximum Detected Influent Concentration	DF	Appendix IV Limit (DF>50 - 100)	Maximum Concentration > Limit?
Antimony	5.6	ug/l	5.49	1	5.49	**N**
Arsenic	10	ug/l	**22.43**	1	**22.43**	**Y**
Cadmium	0.2	ug/l	**0.26**	1	**0.26**	**Y**
Chromium III	48.8	ug/l	5.96	1	5.96	N
Copper	5.2	ug/l	**6.2**	1	**6.2**	**Y**
Lead	1.3	ug/l	**5.68**	1	**5.68**	N
Nickel	29	ug/l	4.78	1	4.78	N
Zinc	66.6	ug/l	57.45	1	57.45	N
Iron	1,000	ug/l	**44,000**	1	**44,000**	**Y**

Based on the above table, untreated influent samples exceed RGP Appendix IV effluent discharge limits for arsenic, cadmium, copper, lead, and iron.

Treatment System Information

A schematic diagram of the proposed water treatment system is provided in Figure 3. The construction dewatering pump will be set to minimize pumping of solids into the initial settling/weir tank. Water treatment, at a minimum, will include a dual canister bag filters and granular activated carbon vessels connected in series. Treated water will be stored in a fractional tank to provide adequate storage prior to discharge. The proposed water treat system will be equipped with required fixtures, freeze protection, floats, switches, and alarms to continuously operate the dewatering system. Sampling ports for influent and effluent will be installed as shown.

ESA and NHPA Eligibility

According to the United States Fish and Wildlife Service (USFWS) Federally Listed Endangered and Threatened Species in Massachusetts list, there are no Federally listed endangered species in the proximity to the proposed discharge or in the Town of Natick. However, according to the Massachusetts Department of Energy and Environmental Affairs, there are five endangered species including vascular plants and a snail, three threatened species including a beetle, a butterfly/moth, and a vascular plant, and seven species listed as "special concern" in the Town of Natick. None of these species are listed on the USWFS Federally Listed Endangered and Threatened Species list. In addition, according to the USFWS Critical Habitats on-line mapper, there are no designated critical habitats in proximity to the proposed discharge. According to MassDEP Priority Resource Map, Lake Cochituate and surrounding woodlands are listed as a Mass DEP Natural Heritage and Endangered Species Program (NHESP) Habitat for Rare Wildlife. According to the Massachusetts Department of Conservation and Recreation (MassDCR), the Site is not located within an Area of Critical Environmental Concern (ACEC). A copy of the ESA documentation is included in Appendix C.

According to the United States National Register of Historic Places, the Bacon, Stephen House located on 105 North Main Street, approximately 900 feet north-northwest of the Property. However, it appears to be upgradient of the proposed discharge.

Closing

We trust that the above satisfies your present requirements. If you have any questions or concerns, please contact Bill Gibbons at (617) 830-1540.

Sincerely,

The Vertex Companies, Inc.

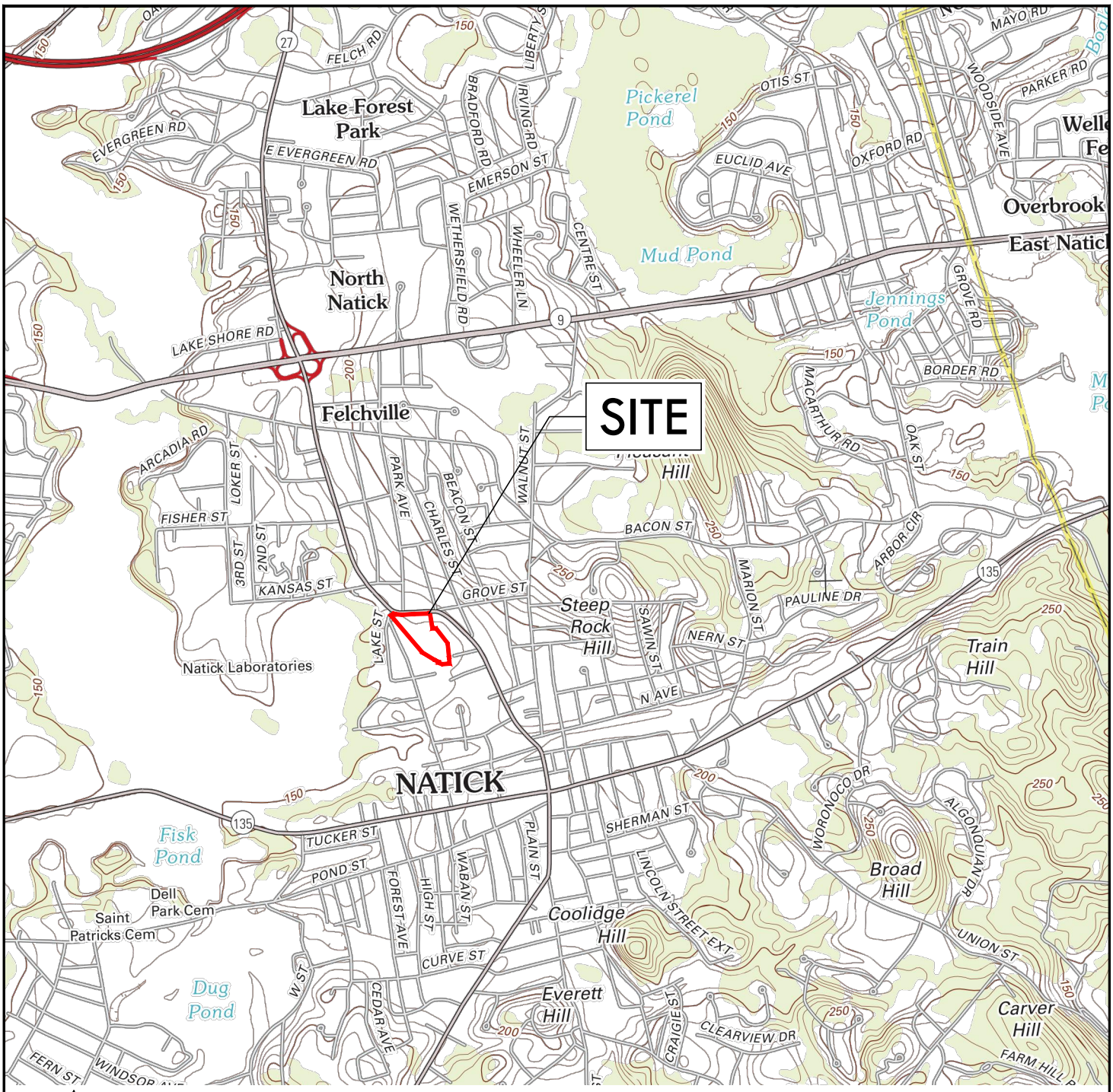
William J. Gibbons, PG, LSP
Senior Project Manager

Jessica L. Fox
Division Manager

Attachments:

Figure 1: Site Locus
Figure 2: Site Plan
Figure 3: Proposed Treatment System Schematic

Appendix A: Notice of Intent
Appendix B: Laboratory Analytical Report
Appendix C: Endangered Species Documentation



N

0' 2000' 4000' 6000'

SCALE: 1" = 2000'

SOURCE: UNITED STATES GEOLOGICAL SURVEY MAP NATICK 7.5 MINUTE QUADRANGLE (2012)

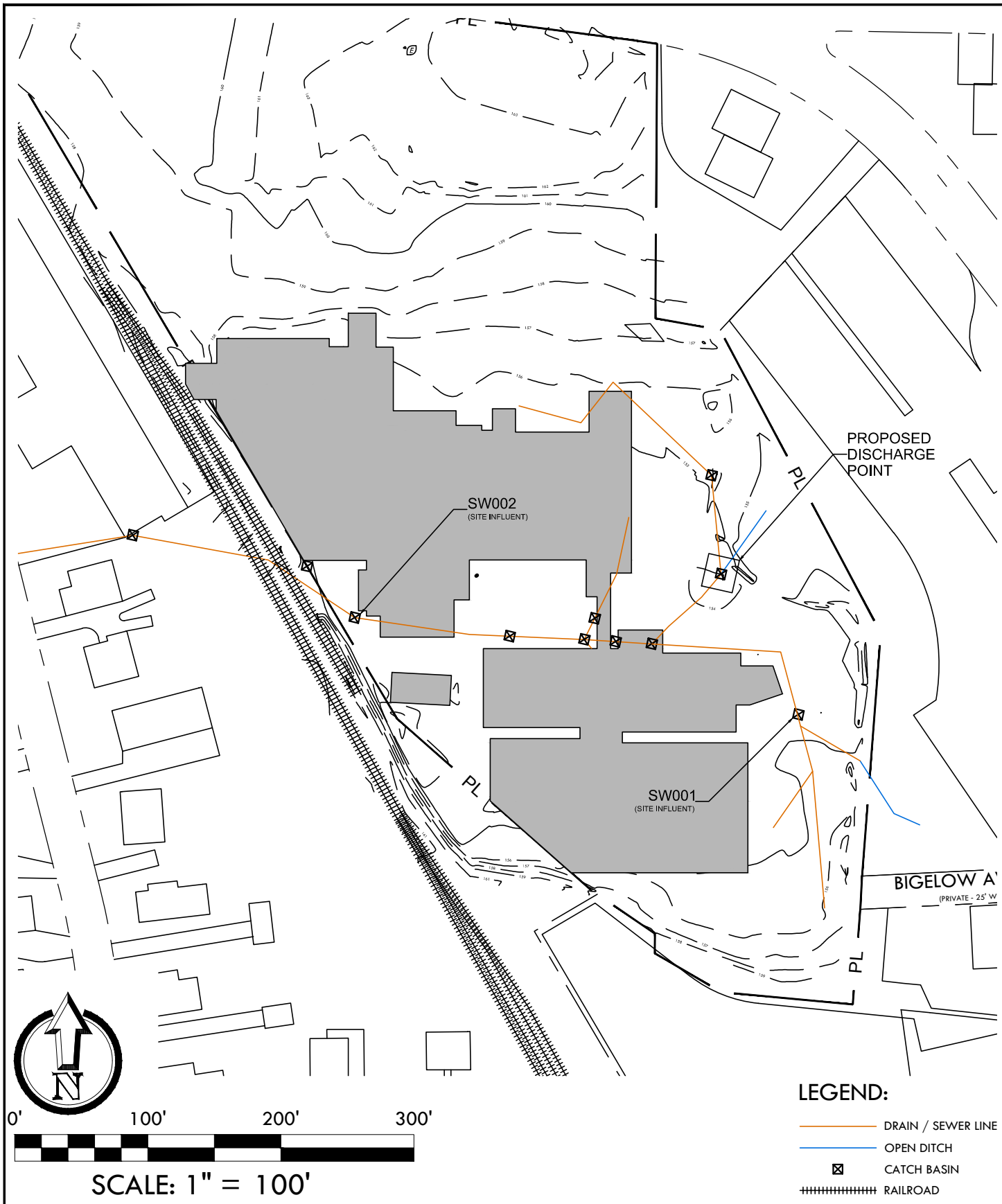
SITE LOCUS MAP

NATICK PAPERBOARD CORPORATION
82 NORTH MAIN STREET
NATICK, MA

File No.:	27123
Date:	DEC 2013
Drawn:	KHH
Checked:	SPK
Job No.:	27123

FIGURE 1

VERTEX®
ONE CONGRESS STREET
BOSTON, MA 02114
(T): 781.952.6000
VERTEXENG.COM



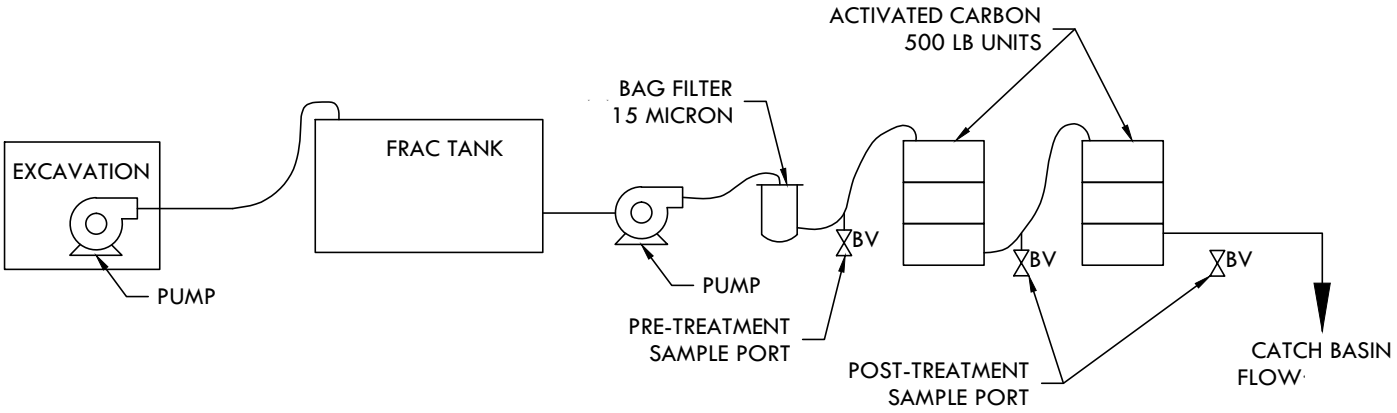
INSPECTION LOCATIONS : STORMWATER MONITORING PLAN

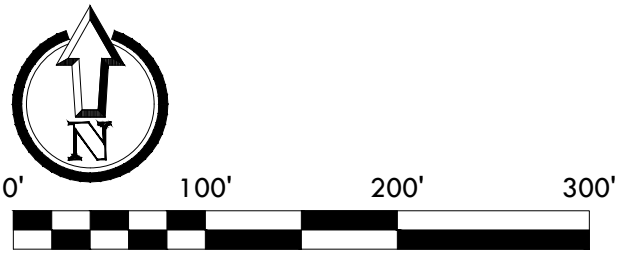
FORMER NATICK PAPERBOARD LOCATION
82 NORTH MAIN STREET
NATICK, MA

File No.:	27123
Date:	DEC 2013
Drawn:	KHH
Checked:	SPK
Job No.:	27123

FIGURE 2

ENVIRONMENTAL CONSTRUCTION AIR QUALITY ENERGY
VERTEXENG.COM
VERTEX®
ONE CONGRESS STREET
BOSTON, MA 02114
(T): 781.952.6000





SCALE: 1" = 100'

PROCESS FLOW DIAGRAM : REMEDIATION LIQUIDS

FORMER NATICK PAPERBOARD LOCATION
82 NORTH MAIN STREET
NATICK, MA

File No.:	27123
Date:	DEC 2013
Drawn:	KHH
Checked:	SPK
Job No.:	27123

FIGURE 3

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APPENDIX A
NOTICE OF INTENT

Remediation General Permit
Appendix V

Notice of Intent (NOI)
Suggested Forms & Instructions

I. Notice of Intent (NOI) Suggested Form and Instructions

In order to be covered by the remediation general permit (RGP), applicants must submit a completed Notice of Intent (NOI) to EPA Region I and the appropriate state agency. The owner or operator, as defined by 40 CFR § 122.2, means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.

The following are three general "**operator"** scenarios (variations on any of these three are possible, especially as the number of owners and contractors increases):

▸ **"***Owner" as "Operator" - sole permittee.* The property owner designs the structures and control systems for the site, develops and implements the BMPP, and serves as general contractor (or has an on-site representative with full authority to direct day-to-day operations). Under the definition of operator, in this case, the "Owner" would be considered the "operator" and therefore the only party that needs permit coverage. Everyone else working on the site may be considered subcontractors and do not need to apply for permit coverage.

▸ *"Contractor" as "Operator" - sole permittee.* The property owner hires a company (e.g., a contractor) to design the project and oversee all aspects, including preparation and implementation of the BMPP and compliance with the permit (e.g., a "turnkey" project). Here, the contractor would likely be the only party needing a permit. Similarly, EPA expects that property owners hiring a contractor or consultant to perform groundwater remediation work (e.g., due to a leaking fuel oil tank) would come under this type of scenario. EPA believes that the contractor, being a professional in the industry, should be the responsible entity rather than the individual. The contractor is better equipped to meet the requirements of both applying for permit coverage and developing and properly implementing the plans needed to comply with the permit. However, property owners would also meet the definition of "operator" and require permit coverage in instances where they perform any of the required tasks on their personal properties.

▸ *"Owner" and "Contractor" as "Operators" - co-permittees.* The owner retains control over any changes to site plans, BMPPs, or wastewater conveyance or control designs, but the contractor is responsible for conducting and overseeing the actual activities (e.g., excavation, installation and operation of treatment train, etc.) and daily implementation of BMPP and other permit conditions. In this case, both parties need to apply for coverage.

Generally, a person would not be considered an "operator," and subsequently would not need permit coverage, if: 1) that person is a subcontractor hired by, and under the supervision of, the owner or a general contractor (e.g., if the contractor directs the

subcontractor's activities on-site, it is probably not an operator); or 2) the person's activities would otherwise result in the need for coverage under the RGP but another operator has legally assumed responsibility for the impacts of project activities.

A. Instructions for the Suggested Notice of Intent (NOI) - At a minimum, the Notice of Intent must include the following for each individual facility or site. Additional information may be attached as needed.

1. General facility/site information.

a) Provide the facility/site name, mailing address, and telephone and fax numbers. Provide the facility Standard Industrial Classification (SIC) code(s), which can be found online at http://www.osha.gov/pls/imis/sic_manual.html. Provide the site location, including longitude and latitude.

b) Provide the facility/site owner's name, address, email address, telephone and fax numbers, if different from the site information. Indicate whether the owner is a Federal, State/Tribal, private, or other entity.

c) Provide the site operator's (e.g., contractor's) name, mailing address, telephone and fax numbers, and email address if different from the owner's information.

d) For the site for which the application is being submitted, indicate whether:

1) a prior NPDES permit exclusion has been granted for the discharge (if so, provide the tracking number of the exclusion letter);

2) a prior NPDES application (Form 1 & 2C – for reference, please visit http://www.epa.gov/region1/npdes/epa_attach.html) has ever been filed for the discharge (if so, provide the tracking number and date that the application was submitted to EPA);

3) the discharge is a "new discharge" as defined by 40 CFR 122.2; and

4) for sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000 and exempt from state permitting.

e) Indicate whether there is any ongoing state permitting, licensing, or other action regarding the facility or site which is generating the discharge. If "yes," provide any site identification number assigned by the state of NH or MA, any permit or license number assigned, and the state agency contact information (e.g. name, location, telephone no.).

f) Indicate whether or not the facility is covered by other EPA permits including:

1) the Multi-Sector General Permit (MSGP) http://cfpub.epa.gov/npdes/stormwater/msgp.cfm;
2) the Final NPDES General Permit for Dewatering Activity Discharges in Massachusetts and New Hampshire http://www.epa.gov/region1/npdes/dewatering.html;
3) the EPA Construction General Permit http://cfpub.epa.gov/npdes/stormwater/cgp.cfm;
4) an individual NPDES permit; or
5) any other water quality-related individual or general permit.

If so, provide permit tracking number(s).

g) Indicate if the site/facility discharge(s) to an Area of Critical Environmental Concern (ACEC), as shown on the tables and maps in Appendix I.

h) Based on the nature of the facility/site and any historical sampling data, the applicant must indicate which of the sub-categories within which the potential discharge falls.

2. Discharge information.

a) Describe the discharge activities to be covered by the permit. Attach additional sheets as needed.

b) Provide the following information about each discharge:

1) the number of discharge points;
2) the maximum and average flow rate of the discharge in cubic feet per second. For the average flow magnitude, include the units and appropriate notation if this value is a calculated design value or estimate if technical/design information is not available;
3) the latitude and longitude of each discharge with an accuracy of 100 feet (see EPA's siting tool at: http://www.epa.gov/tri/report/siting_tool);
4) the total volume of potential discharge (gal), only if hydrostatic testing;
5) whether the discharge(s) is intermittent or seasonal and if ongoing.

c) Provide the expected start and end dates of discharge (month/day/year).

d) Attach a line drawing or flow schematic showing water flow through the facility including:

1) sources of intake water;
2) contributing flow from the operation;
3) treatment units; and
4) discharge points and receiving waters(s).

3. Contaminant information.

In order to complete the NOI, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for the parameters applicable to the sub-category into which the discharge falls, as listed in Appendix III of the permit and selected in Part 1 of the NOI form, except as noted below.

Permittees shall provide additional sampling results with the NOI if such sampling already exists, or if the permittee has reason to believe the site contains additional contaminants not listed in Appendix III for that sub-category or contains additional contaminants not included in Appendix III.

The applicant may use historical data as a substitute for the new sample if the data was collected no more than 2 years prior to the "Submittal of the NOI" and if collected pursuant to:

i. for sites in Massachusetts, 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E");

ii. for sites in New Hampshire, New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act;

a) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is believed present or believed absent in the potential discharge.

Based on the required sampling and analysis, the applicant must fill in the table, or provide a narrative description, with the following additional information for each chemical that is believed present (chemical that violate EPA's criteria limitations):

1) the number of samples taken (minimum of one sample for applicable parameters per Appendix III);
2) the type of sample (e.g. grab, composite, etc.);
3) the analytical method used, including the method number;
4) the minimum level (ML) of the method used (based on Appendix VI);
5) the maximum daily amount (concentration (ug/l) and mass (kg)) of each pollutant, based on the sampling data

lb/day (pounds per day) equals flow (in million gallons per day, MGD) times concentration in milligrams per liter (mg/l) times 8.34.
Example: 2.5 MGD x 30 mg/l TSS x 8.34 = 625.5 lb TSS/day
MGD = gallons per minute (gpm) x 0.00144
1 kg = 2.2 lbs

And;
6) the average daily amount (concentration and mass) of each pollutant, based on the sampling data.

If the results of any sampling indicate that pollutants exist in addition to those listed in Appendix III of the RGP of the permit, the applicant must also describe those contaminants on the NOI in boxes in section I.3.c.)on the line marked "Other," or use additional sheets as needed. Subsequently, EPA may require monitoring for such parameters or will decide if an individual permit is necessary.

c) Determination of Reasonable Potential and Allowable Dilution for Discharges of Metals:

If any *metals* are believed present in the potential discharge to freshwater[1], the applicant must follow the procedures below to determine the dilution factor for each metal.

Step 1: Initial Evaluation

1) The applicant must evaluate all metals believed present in the discharge subject to this permit, including "naturally occurring" metals such as dissolved and/or total Iron. Applicants must enter the highest detected concentration of the metal at zero dilution in the "Maximum value" column of the NOI.

2) Based on the maximum concentration of each metal, the applicant must perform an initial evaluation assuming zero dilution in the receiving water. The applicant must compare the metals concentrations in the untreated (intake) waters to the effluent limits contained in Appendix III.

[1]Dilution factors may be available for discharges to saline waters but only with approval of the flow modeling information from the State prior to the submission of the NOI.

i. If potential discharges (untreated influent) with metals contain concentrations above the concentration limits listed in Appendix III, applicant must proceed to step 2.
ii. If potential discharges (untreated influent) with metals contain concentrations below the concentrations listed in Appendix III, the applicant may skip step 2 and those metals will **not** be subject to permit limitations or monitoring requirements.

Step 2: Calculation of Dilution Factor

1) **For applicants in NH**: If a metal concentration in a potential discharge (untreated influent) to **freshwater** exceeds the limits in Appendix III with zero dilution, the applicant shall evaluate the potential concentration considering a dilution factor (DF) using the formula below. **For sites in New Hampshire, the applicant must contact NH DES to determine the 7Q10 and dilution factor.**

DF = [(Qd + Qs)/Qd] x 0.9

Where:

DF	=	**Dilution Factor**
Qd	=	**Maximum flow rate of the discharge in cubic feet per second (cfs) (1.0 gpm = .00223 cfs)**
Qs	=	**Receiving water 7Q10 flow, in cfs, where 7Q10 is the annual minimum flow for 7 consecutive days with a recurrence interval of 10 years**
0.9	=	**Allowance for reserving 10% of the assets in the receiving stream as per Chapter ENV-Wq 1700, Surface Water Quality Regulations**

i. Using the DF calculated from the formula above, the applicant must refer to the corresponding dilution range column in Appendix IV. The applicant then compares the maximum concentration of the metal entered on the NOI to the corresponding total recoverable metals limits listed in Appendix IV. Please note that for this reissuance the applicant will be permitted to determine a limit using any fraction within the 1-5 dilution factor range times the metal limit (for all regulated metals). For example: if the DF is 1.5, the Iron limit is 1,500 ug/L; if the DF is 1.5, the antimony limit is 8.4, etc. All limits above a dilution factor of 5 are maintained.

1. If a metal concentration in the potential discharge (untreated influent) is less than the corresponding limit in Appendix IV, the metal will **not** be subject to permit limitations or monitoring requirements.
2. If a metal concentration in the potential discharge (untreated influent) is equal to or exceeds the corresponding limit in Appendix IV, the applicant must reduce it in the effluent to a concentration below the applicable total recoverable metals limit in Appendix IV prior to discharge.

ii. In either case, the applicant must submit the results of this calculation as part of the NOI. EPA and NH DES will review the proposed effluent limitations for each metal and approve or disapprove the limits in the notification of coverage letter to the applicant.

2) **For applicants in MA**: If a metal concentration in a potential discharge (untreated influent) to **freshwater** exceeds the limits in Appendix III with zero dilution, the applicant must evaluate the potential concentration considering a dilution factor (DF) using the formula below.

DF = (Qd + Qs)/Qd

Where:
DF = Dilution Factor
Qd = Maximum flow rate of the discharge in cubic feet per second (cfs) (1.0 gpm = .00223 cfs)
Qs = Receiving water 7Q10 flow (cfs) where 7Q10 is the minimum flow (cfs) for 7 consecutive days with a recurrence interval of 10 years

i. The applicant may estimate the 7Q10 for receiving water by using available information such as nearby USGS stream gauging stations directly or by application of certain "flow factors," using historic streamflow publication information, calculations based on drainage area, information from state water quality offices, or other means. In many cases Massachusetts has calculated 7Q10 information using "flow factors" for a number of streams in the state. The source of the low flow value(s) used by the applicant must be included on NOI application form. Flow data can also be obtained from web applications such as the one located at: http://ma.water.usgs.gov/streamstats/.

ii. Using the DF calculated from the formula above, the applicant must refer to the corresponding dilution range column in Appendix IV. The applicant then shall compare the maximum concentration of each metal entered on the NOI to the corresponding total recoverable metals limit listed in Appendix IV. Please note that for this reissuance the applicant will be permitted to determine a limit using any fraction of the 0-5 of DF times the metal limit (for all regulated metals). For example: if the DF is 1.5, the Iron limit is 1,500 ug/L; if the DF is 1.5, the antimony limit is 8.4, etc. Not to exceed DF of 5.

1. If a metal concentration in the potential discharge (untreated influent) is less than the corresponding limit in Appendix IV, the metal will **not** be subject to permit limitations or monitoring requirements.
2. If a metal concentration in a potential discharge (untreated influent) is equal to or exceeds the corresponding limit in Appendix IV, the applicant must reduce it in the effluent to a concentration below the applicable total recoverable metals limit in Appendix IV prior to discharge.

iii. The applicant must submit the results of this calculation as part of the NOI. EPA (and MassDEP where the discharge is not covered by 310 CMR 40.0000) will review the proposed effluent limitations for each metal and approve or disapprove the limits in the notification of coverage letter to the applicant.

4. Treatment system information.

a) Provide a written description of the treatment train and how the system will be set up for each discharge and attach a schematic of the proposed or existing treatment system(s).
b) Identify each major treatment unit (e.g. frac tanks, filters, air stripper, liquid phase/vapor phase activated carbon, oil/water separators, etc.) by checking all that apply and describing any additional equipment not listed. Attach additional sheets as needed.
c) Provide the proposed average and maximum flow rates (in gallons per minute, gpm) for the discharge and the design flow rates (in gpm) of the treatment system. Clearly identify the component of the treatment with the most limited flow, i.e., the part of the treatment train that establishes the design flow.
d) Describe any chemical additives being used, or planned to be used, and attach MSDS sheets for each. EPA may request further information regarding the chemical composition of the additive, potential toxic effects, or other information to insure that approval of the use of the additive will not cause or contribute to a violation of State water quality standards. Approval of coverage under the RGP will constitute approval of the use of the chemical additive(s). If coverage of the discharge under the RGP has already been granted and the use of a chemical additive becomes necessary, the permittee must submit a Notice of Change (NOC).

5. Receiving surface water(s) information.

a) Identify the discharge pathway by checking whether it is discharged: directly to the receiving water (river, stream, or brook), within the facility (e.g., through a sewer drain), to a storm drain, to a wetland, or other receiving body.
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters into which discharge will occur.
c) Provide a detailed map(s) indicating the location of the site and outfall(s) to the receiving water(s):

1) For multiple discharges, the discharges should be numbered sequentially.
2) In the case of indirect dischargers (to municipal storm sewer, etc) the map(s) must be sufficient to indicate the location of the discharge to the indirect conveyance and the discharge to the state classified surface water. The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water and the basin (for Massachusetts, the Surface Water Quality Standards (314 CMR 4.00) are available at http://www.mass.gov/dep/water/laws/regulati.htm#wqual) (for New Hampshire, contact the NH DES at (603) 271-2984).
e) Specify the reported seven day-ten year low flow (7Q10) of the receiving water (see Section I.A.3) c. above). In New Hampshire, the 7Q10 must be provided by to the applicant by the New Hampshire Department of Environmental Services**.**

f) Indicate whether the receiving water is a listed 303(d) water quality impaired or limited water and if so, for which pollutants (see Section IX of the Fact Sheet for additional information).
For MA, the most updated integrated list of waters (CWA 303(d) and 305(b)) is available at http://www.mass.gov/dep/water/resources/tmdls.htm#info.
For NH, the most updated integrated list of waters (CWA 303(d) and 305(b)) is available at http://des.nh.gov/organization/divisions/water/wmb/swqa/index.htm.
Also, indicate if there is a final TMDL for any of the listed pollutants. For MA, final TMDLs can be found at: http://www.mass.gov/dep/water/resources/tmdls.htm and for NH, final TMDLs can be found at http://des.nh.gov/organization/divisions/water/wmb/tmdl/index.htm. For more information, contact the states at: New Hampshire Department of Environmental Services, Watershed Management Bureau at 603-271-3503 or the Massachusetts Department of Environmental Protection at 508-767-2796 or 508-767-2873.

6. ESA and NHPA Eligibility.
As required in Parts I.A.4 and Appendix VII the operator of a site/facility must ensure that the potential discharge will not adversely affect endangered species, designated critical habitat, or national historic places that are in proximity to the potential discharge. If the potential discharge is to certain water bodies, the applicant must also submit a formal certification with the NOI that indicates the consultation, with the U.S. Fish and Wildlife Service and National Marine Fisheries Service (the Services), resulted in either a no jeopardy opinion or a written concurrence on a finding that the discharge is not likely to adversely affect any endangered species or critical habitat. Facilities should begin the consultation as early in the process as possible.
a) Using the instructions in Appendix VII and information in Appendix II, indicate under which criterion listed you are eligible for coverage under this general permit.
b) If you selected criterion D or F, indicate if consultation with the federal services has been completed or if it is underway.
c) If consultation with the U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, indicate if a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat was received.
d) Attach documentation of ESA eligibility as described below and required in Appendix VII, Part I.C, Step 4.

Criterion A - No federally-listed threatened or endangered species or federally-designated critical habitat are present: A copy of the most current county species list pages for the county(ies) where your site or facility and discharges are located. You must also include a statement on how you determined that no listed species or critical habitat are in proximity to your site or facility or discharge locations.

Criterion B – Section 7 consultation completed with the Service(s) on a prior project: A copy of the USFWS and/or NOAA Fisheries, as appropriate, biological opinion or concurrence on a finding of "unlikely to adversely effect" regarding the ESA Section 7 consultation.

Criterion C – Activities are covered by a Section 10 Permit: A copy of the USFWS and/or the NOAA Fisheries, as appropriate, letter transmitting the ESA Section 10 authorization.

Criterion D - Concurrence from the Service(s) that the discharge is "not likely to adversely affect" federally-listed species or federally-designated critical habitat (not including the four species of concern identified in Section I of Appendix I): A copy of the USFWS and/or the NOAA Fisheries, as appropriate, letter or memorandum concluding that the discharge is consistent with the general permit's "not likely to adversely affect" determination.

Criterion E – Activities are covered by certification of eligibility: A copy of the documents originally used by the other operator of your site or facility (or area including your site) to satisfy the documentation requirement of Criteria A, B, C or D.

Criterion F - Concurrence from the Service(s) that the discharge is "not likely to adversely affect" species of concern, as identified in Section I of Appendix I: A copy of the USFWS and/or the NOAA Fisheries, as appropriate, concurrence with the applicant's determination that the discharge is "not likely to adversely affect" listed species.

e) Using the instructions in Appendix VII, identify which criterion listed in Part C makes you eligible for coverage under this general permit.

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information. Applicants should provide any supplemental information needed to meet the requirements of the permit, including any analytical data used to support the application, and any certification(s) required.

8. Signature Requirements - The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

> *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General facility/site information. Please provide the following information about the site:

a) Name of **facility/site**: Former Natick Paperboard		**Facility/site** mailing address:		
Location of **facility/site**: longitude: -71.353574 latitude: 42.289308	Facility SIC code(s): 1522	Street: 82 North Main Street		
b) Name of **facility/site owner:**		Town: Natick		
Email address of facility/site owner: JLAMBERT@MCRTRUST.COM, MCREF Natick Development LLC		State: Massachusetts	Zip: 01760	County: Middlesex
Telephone no. of facility/site **owner**: 781-685-4603				
Fax no. of facility/site **owner**: 781-685-4601		**Owner** is (check one): 1. Federal ○ 2. State/Tribal ○ 3. Private ◉ 4. Other ○ if so, describe:		
Address of **owner** (if different from site):		MCREF Natick Development LLC c/o Mill Creek Residential Trust		
Street: 15 New England Executive Park, Suite 1010				
Town: Burlington	State: MA	Zip: 01803	County: Middlesex	
c) Legal name of **operator**:		**Operator** telephone no: 774-274-4386		
MCRT Northeast Construction LLC		**Operator** fax no.: 978-451-7583	**Operator** email: MPOWERS@MCRTRUST.COM	
Operator contact name and title: Mark Powers, Superintendent				
Address of **operator** (if different from owner):		Street: 82 North Main Street		
Town: Natick	State: MA	Zip: 01760	County: Middlesex	

d) Check Y for "yes" or N for "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Y ○ N ⊙, if Y, number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge?
Y ○ N ⊙, if Y, date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y ○ N ⊙
4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y ⊙ N ○

e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y ⊙ N ○
If Y, please list:
1. site identification # assigned by the state of NH or MA: MassDEP RTN 3-26050
2. permit or license # assigned: none
3. state agency contact information: name, location, and telephone number:

MassDEP-250 B Lowell Street, Wilmington, MA 01887
978-694-3200

f) Is the site/facility covered by any other EPA permit, including:
1. Multi-Sector General Permit? Y ○ N ⊙,
if Y, number:
2. Final Dewatering General Permit? Y ○ N ⊙,
if Y, number:
3. EPA Construction General Permit? Y ⊙ N ○,
if Y, number: MAR12AR68
4. Individual NPDES permit? Y ○ N ⊙,
if Y, number:
5. any other water quality related individual or general permit? Y ⊙
N ○, if Y, number: Natick Land Disturbanc

g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y ○ N ⊙

h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.

Activity Category	**Activity Sub-Category**
I - Petroleum Related Site Remediation	A. Gasoline Only Sites ☐ B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) ☐ C. Petroleum Sites with Additional Contamination ☐
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites ☐ B. VOC Sites with Additional Contamination ☐ C. Primarily Heavy Metal Sites ☐
III - Contaminated Construction Dewatering	A. General Urban Fill Sites ☐ B. Known Contaminated Sites ☒

IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites ☐ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites ☐ C. Hydrostatic Testing of Pipelines and Tanks ☐ D. Long-Term Remediation of Contaminated Sumps and Dikes ☐ E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) ☐

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

General construction dewatering. This is a known contaminated site listed by the MassDEP under RTN 3-26050. The treated groundwater from dewatering activities will be discharged to an on-site catch basin associated with the Town of Natick storm water system.

b) Provide the following information about each discharge:

1) Number of discharge points: 1

2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)?
Max. flow: 0.233 (100 gpm) Is maximum flow a **design value**? Y ◉ N ○
Average flow (include units): 0.233 (100 gpm) Is average flow a design value or estimate? estimate

3) Latitude and longitude of each discharge within 100 feet:

pt.1: lat.	42.2899	long.	-71.3538	pt.2: lat.		long.	;
pt.3: lat.		long.		pt.4: lat.		long.	;
pt.5: lat.		long.		pt.6: lat.		long.	;
pt.7: lat.		long.		pt.8: lat.		long.	; etc.

4) If hydrostatic testing, total volume of the discharge (gals): N/A

5) Is the discharge intermittent ◉ or seasonal ○ ?
Is discharge ongoing? Y ○ N ◉

c) Expected dates of discharge (mm/dd/yy): start 03/10/2014 end 12/01/2014

d) Please attach a line drawing or flow schematic showing water flow through the facility including:
1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s). See Attached.

3. Contaminant information.

a) Based on the sub-category selected (see Appendix III), indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)		☐	☒	3	Grab	30,2540D	5,000 ug/l	960,000 ug/l	522.5472	348,666.67 ug/l	189.78
2. Total Residual Chlorine (TRC)		☒	☐	3	Grab	30,4500CL-D	20 ug/l				
3. Total Petroleum Hydrocarbons (TPH)		☒	☐	3	Grab	74,1664A	4,440 ug/l				
4. Cyanide (CN)	57125	☐	☒	3	Grab	30,4500CN-CE	5 ug/l	6 ug/l	0.00327	5.33 ug/l	0.0029
5. Benzene (B)	71432	☒	☐	3	Grab	1,8260C	0.5 ug/l				
6. Toluene (T)	108883	☒	☐	3	Grab	1,8260C	0.75 ug/l				
7. Ethylbenzene (E)	100414	☒	☐	3	Grab	1,8260C	0.5 ug/l				
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	☒	☐	3	Grab	1,8260C	1.00 ug/l				
9. Total BTEX [2]	n/a	☒	☐	3	Grab	1,8260C					
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) [3]	106934	☒	☐	3	Grab	1,8260C	2.0 ug/l				
11. Methyl-tert-Butyl Ether (MtBE)	1634044	☒	☐	3	Grab	1,8260C	1.0 ug/l				
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	☒	☐	3	Grab	1,8260C	10 ug/l				

***** Numbering system is provided to allow cross-referencing to Effluent Limits and Monitoring Requirements by Sub-Category included in Appendix III, as well as the Test Methods and Minimum Levels associated with each parameter provided in Appendix VI.

[2] BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

[3] EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
13. tert-Amyl Methyl Ether (TAME)	9940508	☒	☐	3	Grab	1,8260C	2.0 ug/l				
14. Naphthalene	91203	☒	☐	3	Grab	1,8260C	2.5 ug/l				
15. Carbon Tetrachloride	56235	☒	☐	3	Grab	1,8260C	0.5 ug/l				
16. 1,2 Dichlorobenzene (o-DCB)	95501	☒	☐	3	Grab	1,8260C	2.5 ug/l				
17. 1,3 Dichlorobenzene (m-DCB)	541731	☒	☐	3	Grab	1,8260C	2.5 ug/l				
18. 1,4 Dichlorobenzene (p-DCB)	106467	☒	☐	3	Grab	1,8260C	2.5 ug/l				
18a. Total dichlorobenzene		☒	☐	3	Grab	1,8260C	2.5				
19. 1,1 Dichloroethane (DCA)	75343	☒	☐	3	Grab	1,8260C	0.75 ug/l				
20. 1,2 Dichloroethane (DCA)	107062	☒	☐	3	Grab	1,8260C	0.5 ug/l				
21. 1,1 Dichloroethene (DCE)	75354	☒	☐	3	Grab	1,8260C	0.5 ug/l				
22. cis-1,2 Dichloroethene (DCE)	156592	☒	☐	3	Grab	1,8260C	0.5 ug/l				
23. Methylene Chloride	75092	☒	☐	3	Grab	1,8260C	3.0 ug/l				
24. Tetrachloroethene (PCE)	127184	☒	☐	3	Grab	1,8260C	0.5 ug/l				
25. 1,1,1 Trichloro-ethane (TCA)	71556	☒	☐	3	Grab	1,8260C	0.5 ug/l				
26. 1,1,2 Trichloro-ethane (TCA)	79005	☒	☐	3	Grab	1,8260C	0.5 ug/l				
27. Trichloroethene (TCE)	79016	☒	☐	3	Grab	1,8260C	0.5 ug/l				

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
28. Vinyl Chloride (Chloroethene)	75014	☒	☐	3	Grab	1,8260C	1.0 ug/l				
29. Acetone	67641	☒	☐	3	Grab	1,8260C	5.0 ug/l				
30. 1,4 Dioxane	123911	☒	☐	3	Grab	1,8260C	3.0 ug/l				
31. Total Phenols	108952	☒	☐	3	Grab	1,8270D	2.0-20.0 ug/l				
32. Pentachlorophenol (PCP)	87865	☒	☐	3	Grab	1,2870D-SIM	1.6 ug/l				
33. Total Phthalates (Phthalate esters) [4]		☒	☐	3	Grab	1,2870D	5.0 ug/l				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	☐	☒	3	Grab	1,8270D	3.0 ug/l	18 ug/L	0.0098	8.0 ug/l	0.00435
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	3	Grab	1,2870D	0.40 ug/l	13.6	0.00740	0.89 ug/l	0.00048
a. Benzo(a) Anthracene	56553	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	2.8 ug/l	0.00152	1.07 ug/l	0.00058
b. Benzo(a) Pyrene	50328	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	2.3 ug/l	0.00125	0.90 ug/l	0.00049
c. Benzo(b)Fluoranthene	205992	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	3.0 ug/l	0.00163	1.13 ug/l	0.00062
d. Benzo(k)Fluoranthene	207089	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	1.3 ug/l	0.00071	0.57 ug/l	0.00031
e. Chrysene	21801	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	2.9 ug/l	0.00158	1.10 ug/l	0.00060
f. Dibenzo(a,h)anthracene	53703	☒	☐	3	Grab	1,2870D-SIM	0.40 ug/l				
g. Indeno(1,2,3-cd) Pyrene	193395	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	1.3 ug/l	0.00071	0.57 ug/l	0.00031
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	15.36	0.00836	1.158 ug/l	0.00063

[4] The sum of individual phthalate compounds.

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
h. Acenaphthene	83329	☒	☐	3	Grab	1,2870D-SIM	0.40 ug/l				
i. Acenaphthylene	208968	☒	☐	3	Grab	1,2870D-SIM	0.40 ug/l				
j. Anthracene	120127	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	0.56 ug/l	0.00030	0.32 ug/l	0.00017
k. Benzo(ghi) Perylene	191242	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	1.6 ug/l	0.00087	0.67 ug/l	0.00036
l. Fluoranthene	206440	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	5.3 ug/l	0.00288	1.9ug/l	0.00103
m. Fluorene	86737	☒	☐	3	Grab	1,2870D-SIM	0.40 ug/l				
n. Naphthalene	91203	☒	☐	3	Grab	1,2870D-SIM	0.40 ug/l				
o. Phenanthrene	85018	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	2.2 ug/l	0.00120	0.87 ug/l	0.00047
p. Pyrene	129000	☐	☒	3	Grab	1,2870D-SIM	0.40 ug/l	5.7 ug/l	0.00310	2.03 ug/l	0.00110
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	☒	☐	3	Grab	5,608	0.250 ug/l				
38. Chloride	16887006	☐	☒	3	Grab	44,300.0	12,500 ug/l	207,000 ug/l	112.67424	138,667.67 ug/l	75.47959
39. Antimony	7440360	☐	☒	3	Grab	1,6020A	1.0 ug/l	5.49 ug/l	0.00299	2.5 ug/l	0.00136
40. Arsenic	7440382	☐	☒	3	Grab	1,6020A	0.5 ug/l	22.43 ug/l	0.1221	11.46 ug/l	0.00624
41. Cadmium	7440439	☐	☒	3	Grab	1,6020A	0.2 ug/l	0.26 ug/l	0.00014	0.22 ug/l	0.00012
42. Chromium III (trivalent)	16065831	☐	☒	3	Grab	1,6020A	1 ug/l	5.96 ug/l	0.00324	3.26 ug/l	0.00177
43. Chromium VI (hexavalent)	18540299	☒	☐	3	Grab	30,3500CR-D	10 ug/l				
44. Copper	7440508	☐	☒	3	Grab	1,6020A	1.0 ug/l	6.2 ug/l	0.00337	3.54 ug/l	0.00193
45. Lead	7439921	☐	☒	3	Grab	1,6020A	1.0 ug/l	5.68 ug/l	0.00309	3.05 ug/l	0.00166
46. Mercury	7439976	☒	☐	3	Grab	EPA 245.1	0.2 ug/l				
47. Nickel	7440020	☐	☒	3	Grab	1,6020A	0.5 ug/l	4.78 ug/l	0.00260	3.49 ug/l	0.00190
48. Selenium	7782492	☒	☐	3	Grab	1,6020A	5.0 ug/l				
49. Silver	7440224	☒	☐	3	Grab	1,6020A	0.4 ug/l				
50. Zinc	7440666	☐	☒	3	Grab	1,6020A	10 ug/l	57.45 ug/l	0.03127	33.69 ug/l	0.01834
51. Iron	7439896	☐	☒	3	Grab	1,6020A	0.05 mg/l	44,000 ug/l	23.95008	17,100 ug/l	9.307
Other (describe):		☐	☐								

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
		☐	☐								
		☐	☐								

b) For discharges where **metals** are believed present, please fill out the following (attach results of any calculations):

Step 1: Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y ◉ N ○	If yes, which metals? Arsenic, Cadmium, Copper, Lead, and Iron
Step 2: For any metals which exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: Arsenic DF: 1 Metal: Cadmium DF: 1 Metal: Copper DF: 1 Metal: Lead, Iron DF: 1, 1 Etc.	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ◉ N ○ If Y, list which metals: Arsenic, Cadmium, Copper, Lead, and Iron

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

Mobile carbon filtration system consisting of piping, valves, pumps, and two 20,000-gallon fractional tanks with discharge flow valves. The system will include two dual canister bag filters and two 500 pound carbon units. Influent will be pumped from dewatering activities associated with on-site excavation and effluent will be discharged to an on-site catch basin into the Town of Natick storm water system.

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☒	Air stripper ☐	Oil/water separator ☐	Equalization tanks ☐	Bag filter ☒	GAC filter ☒
	Chlorination ☐	De-chlorination ☐	Other (please describe):			

c) Proposed **average** and **maximum flow rates** (gallons per minute) for the discharge and the **design flow rate**(s) (gallons per minute) of the treatment system:
Average flow rate of discharge 100 gpm Maximum flow rate of treatment system 100 gpm
Design flow rate of treatment system 100 gpm

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):

Not Applicable

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct to receiving water ☐	Within facility (sewer) ☐	Storm drain ☒	Wetlands ☐	Other (describe):

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:
The treated effluent will be discharged into Lake Cochituate via storm drains.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
1. For multiple discharges, number the discharges sequentially.
2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water Class B

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0 - Discharge to Lake Cochituate cfs
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Y ◉ N ○ If yes, for which pollutant(s)?

Is there a final TMDL? Y ○ N ◉ If yes, for which pollutant(s)? Dissolved Oxygen and PCBs in fish tissue. TMDL has not been completed.

6. ESA and NHPA Eligibility.

Please provide the following information according to requirements of Permit Parts I.A.4 and I.A.5 Appendices II and VII.

a) Using the instructions in Appendix VII and information on Appendix II, under which criterion listed in Part I.C are you eligible for coverage under this general permit?

A (●) B ( ) C ( ) D ( ) E ( ) F ( )

b) If you selected Criterion D or F, has consultation with the federal services been completed? Y( ) N( ) Underway( )

c) If consultation with U.S. Fish and Wildlife Service and/or NOAA Fisheries Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received? Y(●) N( )

d) Attach documentation of ESA eligibility as described in the NOI instructions and required by Appendix VII, Part I.C, Step 4.

e) Using the instructions in Appendix VII, under which criterion listed in Part II.C are you eligible for coverage under this general permit?

1 ( ) 2 (●) 3 ( )

f) If Criterion 3 was selected, attach all written correspondence with the State or Tribal historic preservation officers, including any terms and conditions that outline measures the applicant must follow to mitigate or prevent adverse effects due to activities regulated by the RGP.

7. Supplemental information.

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

This is a known contaminated site listed by the MassDEP under RTN 3-26050. An updated Release Abatement Measure (RAM) Plan was submitted to the MassDEP in February 3, 2014.

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name:	Former Natick Paperboard Factory
Operator signature:	Mark C. Powers
Printed Name &Title:	Mark Powers, Superintendent
Date:	3 March 2014

B. Submission of NOI to EPA - All operators applying for coverage under this General Permit must submit a completed Notice of Intent (NOI) to EPA. Signed and completed NOI forms and attachments must be submitted to EPA-NE at:

U.S. Environmental Protection Agency
5 Post Office Square, Suite 100
Mail Code OEP06-4
Boston, MA 02109-3912
ATTN: Remediation General Permit NOI Processing

or electronically mailed to NPDES.Generalpermits@epa.gov

or faxed to the EPA Office at 617-918-0505

If filling out the suggested NOI form electronically on EPA's website, the signature page must be signed and faxed or mailed to EPA at the fax number and/or address listed above.

1. Filing with the states - A copy of any NOI form filed with EPA-NE must also be filed with state agencies. The state agency may elect to develop a state specific form or other information requirements.

a) Discharges in Massachusetts - In addition to the NOI, permit applicants must submit copies of the State Application Form BRPWM 12, Request for General Permit coverage for the RGP. The application form and the Transmittal Form for Permit Application and Payment may be obtained from the Massachusetts Department of Environmental Protection (MassDEP) website at www.state.ma.us/dep. Municipalities are fee-exempt, but should send a copy of the transmittal form to that address for project tracking purposes. All applicants should keep a copy of the transmittal form and a copy of the application package for their records.

1) A copy of the NOI, the transmittal form, a copy of the check, and Form BRPWM 12 should be sent to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street, 2nd floor
Worcester, MA 01608

2) A copy of the transmittal form and the appropriate fee should be sent to:

Massachusetts Department of Environmental Protection
P.O. Box 4062
Boston, MA 02111

Please note: Applicants for discharges in Massachusetts should note that under 310 CMR 40.000, *as a matter of state law*, the general permit only applies to discharges that are **not** subject to the

Massachusetts Contingency Plan (MCP) and 310 CMR 40.000. Therefore, discharges subject to the MCP are **not** required to fill out and submit the State Application Form BRPWM 12 or pay the state fees. However, they must submit a NOI to EPA.

b) Discharges in New Hampshire - applicants must provide a copy of the Notice of Intent to:

New Hampshire Department of Environmental Services
Water Division
Wastewater Engineering Bureau
P.O. Box 95
Concord, New Hampshire 03302-0095.

2. Filing with Municipalities - A copy of the NOI must be submitted to the municipality in which the proposed discharge would be located.

APPENDIX B
LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

Lab Number:	L1402576
Client:	Vertex Environmental Services, Inc. 400 Libbey Pkwy Weymouth, MA 02184
ATTN:	Bill Gibbons
Phone:	(617) 830-1540
Project Name:	NATICK PAPER
Project Number:	27123
Report Date:	02/07/14

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1402576-01	HA-14	82 MAIN STREET	01/31/14 09:30
L1402576-02	VES-7 (MW)	82 MAIN STREET	01/31/14 12:05
L1402576-03	VES-10 (MW)	82 MAIN STREET	01/31/14 14:05
L1402576-04	TRIP BLANK	82 MAIN STREET	01/31/14 00:00

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

Case Narrative (continued)

Semivolatile Organics - SIM

L1402576-01 has elevated detection limits due to the dilution required by the sample matrix.

Metals

The WG668342-4 MS recovery, performed on L1402576-01, is above the acceptance criteria for iron (130%).

A post digestion spike was performed with an acceptable recovery of 100%.

The WG668214-3 Laboratory Duplicate RPD, performed on L1402576-01, is above the acceptance criteria for arsenic (25%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative Date: 02/07/14

ORGANICS

VOLATILES

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01
Client ID: HA-14
Sample Location: 82 MAIN STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/05/14 15:01
Analyst: MM

Date Collected: 01/31/14 09:30
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01 Date Collected: 01/31/14 09:30

Client ID: HA-14 Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01 Date Collected: 01/31/14 09:30

Client ID: HA-14 Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	98		70-130

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-01	Date Collected:	01/31/14 09:30
Client ID:	HA-14	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C-SIM(M)		
Analytical Date:	02/05/14 15:01		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-01	Date Collected:	01/31/14 09:30
Client ID:	HA-14	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	14,504.1	Extraction Date:	02/03/14 11:30
Analytical Date:	02/03/14 16:56		
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.010	--	1	A

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02
Client ID: VES-7 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/05/14 15:33
Analyst: MM

Date Collected: 01/31/14 12:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02 Date Collected: 01/31/14 12:05

Client ID: VES-7 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02 Date Collected: 01/31/14 12:05

Client ID: VES-7 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-02	Date Collected:	01/31/14 12:05
Client ID:	VES-7 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C-SIM(M)		
Analytical Date:	02/05/14 15:33		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-02	Date Collected:	01/31/14 12:05
Client ID:	VES-7 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	14,504.1	Extraction Date:	02/03/14 11:30
Analytical Date:	02/03/14 17:28		
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.010	--	1	A

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03
Client ID: VES-10 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 02/05/14 16:06
Analyst: MM

Date Collected: 01/31/14 14:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	3.0	--	1
1,1-Dichloroethane	ND		ug/l	0.75	--	1
Chloroform	ND		ug/l	0.75	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.8	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	0.75	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	0.50	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	0.50	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.5	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	0.75	--	1
Ethylbenzene	ND		ug/l	0.50	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	1.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	1.0	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	0.75	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03 Date Collected: 01/31/14 14:05

Client ID: VES-10 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1.0	--	1
p/m-Xylene	ND		ug/l	1.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	0.50	--	1
Dibromomethane	ND		ug/l	5.0	--	1
1,4-Dichlorobutane	ND		ug/l	5.0	--	1
1,2,3-Trichloropropane	ND		ug/l	5.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
Vinyl acetate	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Ethyl methacrylate	ND		ug/l	5.0	--	1
Acrylonitrile	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
Tetrahydrofuran	ND		ug/l	5.0	--	1
2,2-Dichloropropane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Bromobenzene	ND		ug/l	2.5	--	1
n-Butylbenzene	ND		ug/l	0.50	--	1
sec-Butylbenzene	ND		ug/l	0.50	--	1
tert-Butylbenzene	ND		ug/l	2.5	--	1
o-Chlorotoluene	ND		ug/l	2.5	--	1
p-Chlorotoluene	ND		ug/l	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Isopropylbenzene	ND		ug/l	0.50	--	1
p-Isopropyltoluene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	2.5	--	1
n-Propylbenzene	ND		ug/l	0.50	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03 Date Collected: 01/31/14 14:05

Client ID: VES-10 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--	1
Ethyl ether	ND		ug/l	2.5	--	1
Tert-Butyl Alcohol	ND		ug/l	10	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-03	Date Collected:	01/31/14 14:05
Client ID:	VES-10 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C-SIM(M)		
Analytical Date:	02/05/14 16:06		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-SIM - Westborough Lab						
1,4-Dioxane	ND		ug/l	3.0	--	1

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-03	Date Collected:	01/31/14 14:05
Client ID:	VES-10 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	14,504.1	Extraction Date:	02/03/14 11:30
Analytical Date:	02/03/14 17:44		
Analyst:	GP		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Microextractables by GC - Westborough Lab							
1,2-Dibromoethane	ND		ug/l	0.010	--	1	A

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 14,504.1
Analytical Date: 02/03/14 14:32
Analyst: GP

Extraction Date: 02/03/14 11:30

Parameter	Result	Qualifier	Units	RL	MDL	
Microextractables by GC - Westborough Lab for sample(s): 01-03 Batch: WG668229-1						
1,2-Dibromoethane	ND		ug/l	0.010	--	A
1,2-Dibromo-3-chloropropane	ND		ug/l	0.010	--	A

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C-SIM(M)
Analytical Date: 02/05/14 06:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG668872-3					
1,4-Dioxane	ND		ug/l	3.0	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/05/14 06:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668874-3					
Methylene chloride	ND		ug/l	3.0	--
1,1-Dichloroethane	ND		ug/l	0.75	--
Chloroform	ND		ug/l	0.75	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.8	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	0.75	--
2-Chloroethylvinyl ether	ND		ug/l	10	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	0.50	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	0.50	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.5	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	0.75	--
Ethylbenzene	ND		ug/l	0.50	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	1.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	1.0	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	0.75	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/05/14 06:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668874-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	1.0	--
p/m-Xylene	ND		ug/l	1.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	0.50	--
Dibromomethane	ND		ug/l	5.0	--
1,4-Dichlorobutane	ND		ug/l	5.0	--
1,2,3-Trichloropropane	ND		ug/l	5.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
Vinyl acetate	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Ethyl methacrylate	ND		ug/l	5.0	--
Acrylonitrile	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.5	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Bromobenzene	ND		ug/l	2.5	--
n-Butylbenzene	ND		ug/l	0.50	--
sec-Butylbenzene	ND		ug/l	0.50	--
tert-Butylbenzene	ND		ug/l	2.5	--
o-Chlorotoluene	ND		ug/l	2.5	--
p-Chlorotoluene	ND		ug/l	2.5	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/05/14 06:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668874-3					
Hexachlorobutadiene	ND		ug/l	0.50	--
Isopropylbenzene	ND		ug/l	0.50	--
p-Isopropyltoluene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	2.5	--
n-Propylbenzene	ND		ug/l	0.50	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
1,3,5-Trimethylbenzene	ND		ug/l	2.5	--
1,3,5-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.5	--
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	--
Ethyl ether	ND		ug/l	2.5	--
Methyl Acetate	ND		ug/l	10	--
Ethyl Acetate	ND		ug/l	10	--
Isopropyl Ether	ND		ug/l	2.0	--
Cyclohexane	ND		ug/l	10	--
Tert-Butyl Alcohol	ND		ug/l	10	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	10	--
Methyl cyclohexane	ND		ug/l	10	--
p-Diethylbenzene	ND		ug/l	2.0	--
4-Ethyltoluene	ND		ug/l	2.0	--
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	--

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 02/05/14 06:52
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668874-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Microextractables by GC - Westborough Lab	Associated sample(s): 01-03		Batch: WG668229-2						
1,2-Dibromoethane	99		-		70-130	-		20	A
1,2-Dibromo-3-chloropropane	110		-		70-130	-		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG668872-1 WG668872-2								
1,4-Dioxane	94		91		70-130	3		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668874-1 WG668874-2								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	98		100		70-130	2		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	98		100		63-132	2		20
1,2-Dichloropropane	95		98		70-130	3		20
Dibromochloromethane	95		100		63-130	5		20
1,1,2-Trichloroethane	94		100		70-130	6		20
2-Chloroethylvinyl ether	96		101		70-130	5		20
Tetrachloroethene	101		100		70-130	1		20
Chlorobenzene	101		102		75-130	1		25
Trichlorofluoromethane	99		100		62-150	1		20
1,2-Dichloroethane	96		101		70-130	5		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	94		97		70-130	3		20
cis-1,3-Dichloropropene	95		98		70-130	3		20
1,1-Dichloropropene	97		97		70-130	0		20
Bromoform	85		95		54-136	11		20
1,1,2,2-Tetrachloroethane	86		92		67-130	7		20
Benzene	98		99		70-130	1		25
Toluene	100		99		70-130	1		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668874-1 WG668874-2								
Ethylbenzene	100		100		70-130	0		20
Chloromethane	94		94		64-130	0		20
Bromomethane	107		96		39-139	11		20
Vinyl chloride	92		94		55-140	2		20
Chloroethane	100		104		55-138	4		20
1,1-Dichloroethene	98		102		61-145	4		25
trans-1,2-Dichloroethene	99		100		70-130	1		20
Trichloroethene	98		100		70-130	2		25
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	97		99		70-130	2		20
1,4-Dichlorobenzene	94		97		70-130	3		20
Methyl tert butyl ether	93		97		63-130	4		20
p/m-Xylene	102		103		70-130	1		20
o-Xylene	102		103		70-130	1		20
cis-1,2-Dichloroethene	100		102		70-130	2		20
Dibromomethane	93		98		70-130	5		20
1,4-Dichlorobutane	90		97		70-130	7		20
1,2,3-Trichloropropane	86		95		64-130	10		20
Styrene	101		101		70-130	0		20
Dichlorodifluoromethane	88		90		36-147	2		20
Acetone	106		83		58-148	**24**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668874-1 WG668874-2								
Carbon disulfide	95		98		51-130	3		20
2-Butanone	109		89		63-138	20		20
Vinyl acetate	90		95		70-130	5		20
4-Methyl-2-pentanone	88		96		59-130	9		20
2-Hexanone	107		92		57-130	15		20
Ethyl methacrylate	90		96		70-130	6		20
Acrylonitrile	91		97		70-130	6		20
Bromochloromethane	100		102		70-130	2		20
Tetrahydrofuran	84		94		58-130	11		20
2,2-Dichloropropane	100		97		63-133	3		20
1,2-Dibromoethane	95		98		70-130	3		20
1,3-Dichloropropane	94		98		70-130	4		20
1,1,1,2-Tetrachloroethane	98		99		64-130	1		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	101		99		53-136	2		20
sec-Butylbenzene	99		100		70-130	1		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	98		99		70-130	1		20
p-Chlorotoluene	96		99		70-130	3		20
1,2-Dibromo-3-chloropropane	82		98		41-144	18		20
Hexachlorobutadiene	96		98		63-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668874-1 WG668874-2								
Isopropylbenzene	97		98		70-130	1		20
p-Isopropyltoluene	101		100		70-130	1		20
Naphthalene	87		96		70-130	10		20
n-Propylbenzene	98		99		69-130	1		20
1,2,3-Trichlorobenzene	90		96		70-130	6		20
1,2,4-Trichlorobenzene	94		99		70-130	5		20
1,3,5-Trimethylbenzene	99		99		64-130	0		20
1,3,5-Trichlorobenzene	95		99		70-130	4		20
1,2,4-Trimethylbenzene	98		99		70-130	1		20
trans-1,4-Dichloro-2-butene	85		89		70-130	5		20
Ethyl ether	94		99		59-134	5		20
Methyl Acetate	93		96		70-130	3		20
Ethyl Acetate	85		95		70-130	11		20
Isopropyl Ether	96		98		70-130	2		20
Cyclohexane	95		98		70-130	3		20
Tert-Butyl Alcohol	87		103		70-130	17		20
Ethyl-Tert-Butyl-Ether	95		97		70-130	2		20
Tertiary-Amyl Methyl Ether	93		96		66-130	3		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	97		100		70-130	3		20
Methyl cyclohexane	96		98		70-130	2		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668874-1 WG668874-2								
4-Ethyltoluene	98		100		70-130	2		20
1,2,4,5-Tetramethylbenzene	97		99		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	104		102		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Microextractables by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668229-3 QC Sample: L1402402-01 Client ID: MS Sample													
1,2-Dibromoethane	ND	0.253	0.237	94		-	-		70-130	-		20	A
1,2-Dibromo-3-chloropropane	ND	0.253	0.269	107		-	-		70-130	-		20	A

SEMIVOLATILES

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-01	Date Collected:	01/31/14 09:30
Client ID:	HA-14	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/03/14 20:41
Analytical Date:	02/07/14 00:34		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
Bis(2-ethylhexyl)phthalate	18		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01 Date Collected: 01/31/14 09:30

Client ID: HA-14 Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	93		41-149

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-01	D	Date Collected:	01/31/14 09:30
Client ID:	HA-14		Date Received:	01/31/14
Sample Location:	82 MAIN STREET		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	02/03/14 20:39
Analytical Date:	02/06/14 17:29			
Analyst:	MW			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.40	--	2
2-Chloronaphthalene	ND		ug/l	0.40	--	2
Fluoranthene	5.3		ug/l	0.40	--	2
Hexachlorobutadiene	ND		ug/l	1.0	--	2
Naphthalene	ND		ug/l	0.40	--	2
Benzo(a)anthracene	2.8		ug/l	0.40	--	2
Benzo(a)pyrene	2.3		ug/l	0.40	--	2
Benzo(b)fluoranthene	3.0		ug/l	0.40	--	2
Benzo(k)fluoranthene	1.3		ug/l	0.40	--	2
Chrysene	2.9		ug/l	0.40	--	2
Acenaphthylene	ND		ug/l	0.40	--	2
Anthracene	0.56		ug/l	0.40	--	2
Benzo(ghi)perylene	1.6		ug/l	0.40	--	2
Fluorene	ND		ug/l	0.40	--	2
Phenanthrene	2.2		ug/l	0.40	--	2
Dibenzo(a,h)anthracene	ND		ug/l	0.40	--	2
Indeno(1,2,3-cd)Pyrene	1.3		ug/l	0.40	--	2
Pyrene	5.7		ug/l	0.40	--	2
1-Methylnaphthalene	ND		ug/l	0.40	--	2
2-Methylnaphthalene	ND		ug/l	0.40	--	2
Pentachlorophenol	ND		ug/l	1.6	--	2
Hexachlorobenzene	ND		ug/l	1.6	--	2
Hexachloroethane	ND		ug/l	1.6	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	100		41-149

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-02	Date Collected:	01/31/14 12:05
Client ID:	VES-7 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/03/14 20:41
Analytical Date:	02/07/14 01:03		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02 Date Collected: 01/31/14 12:05

Client ID: VES-7 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	80		41-149

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-02	Date Collected:	01/31/14 12:05
Client ID:	VES-7 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/03/14 20:39
Analytical Date:	02/06/14 16:40		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
1-Methylnaphthalene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	89		41-149

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-03	Date Collected:	01/31/14 14:05
Client ID:	VES-10 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	02/03/14 20:41
Analytical Date:	02/07/14 01:31		
Analyst:	PS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzidine	ND		ug/l	20	--	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Hexachlorocyclopentadiene	ND		ug/l	20	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
NDPA/DPA	ND		ug/l	2.0	--	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
2-Nitroaniline	ND		ug/l	5.0	--	1
3-Nitroaniline	ND		ug/l	5.0	--	1
4-Nitroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
n-Nitrosodimethylamine	ND		ug/l	2.0	--	1

Project Name: NATICK PAPER **Lab Number:** L1402576

Project Number: 27123 **Report Date:** 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03 Date Collected: 01/31/14 14:05

Client ID: VES-10 (MW) Date Received: 01/31/14

Sample Location: 82 MAIN STREET Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
p-Chloro-m-cresol	ND		ug/l	2.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1
4,6-Dinitro-o-cresol	ND		ug/l	10	--	1
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1
Benzoic Acid	ND		ug/l	50	--	1
Benzyl Alcohol	ND		ug/l	2.0	--	1
Carbazole	ND		ug/l	2.0	--	1
Pyridine	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	83		41-149

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-03	Date Collected:	01/31/14 14:05
Client ID:	VES-10 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM	Extraction Date:	02/03/14 20:39
Analytical Date:	02/06/14 17:04		
Analyst:	MW		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
1-Methylnaphthalene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	94		10-120
4-Terphenyl-d14	91		41-149

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/06/14 19:22
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/03/14 20:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668368-1					
Acenaphthene	ND		ug/l	2.0	--
Benzidine	ND		ug/l	20	--
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Hexachlorobenzene	ND		ug/l	2.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
2-Chloronaphthalene	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
Fluoranthene	ND		ug/l	2.0	--
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Hexachlorobutadiene	ND		ug/l	2.0	--
Hexachlorocyclopentadiene	ND		ug/l	20	--
Hexachloroethane	ND		ug/l	2.0	--
Isophorone	ND		ug/l	5.0	--
Naphthalene	ND		ug/l	2.0	--
Nitrobenzene	ND		ug/l	2.0	--
NDPA/DPA	ND		ug/l	2.0	--
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	--
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/06/14 19:22
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/03/14 20:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668368-1					
Dimethyl phthalate	ND		ug/l	5.0	--
Benzo(a)anthracene	ND		ug/l	2.0	--
Benzo(a)pyrene	ND		ug/l	2.0	--
Benzo(b)fluoranthene	ND		ug/l	2.0	--
Benzo(k)fluoranthene	ND		ug/l	2.0	--
Chrysene	ND		ug/l	2.0	--
Acenaphthylene	ND		ug/l	2.0	--
Anthracene	ND		ug/l	2.0	--
Benzo(ghi)perylene	ND		ug/l	2.0	--
Fluorene	ND		ug/l	2.0	--
Phenanthrene	ND		ug/l	2.0	--
Dibenzo(a,h)anthracene	ND		ug/l	2.0	--
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	--
Pyrene	ND		ug/l	2.0	--
Biphenyl	ND		ug/l	2.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
1-Methylnaphthalene	ND		ug/l	2.0	--
2-Nitroaniline	ND		ug/l	5.0	--
3-Nitroaniline	ND		ug/l	5.0	--
4-Nitroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
2-Methylnaphthalene	ND		ug/l	2.0	--
n-Nitrosodimethylamine	ND		ug/l	2.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
p-Chloro-m-cresol	ND		ug/l	2.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 02/06/14 19:22
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 02/03/14 20:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG668368-1					
2,4-Dinitrophenol	ND		ug/l	20	--
4,6-Dinitro-o-cresol	ND		ug/l	10	--
Pentachlorophenol	ND		ug/l	10	--
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--
Benzoic Acid	ND		ug/l	50	--
Benzyl Alcohol	ND		ug/l	2.0	--
Carbazole	ND		ug/l	2.0	--
Pyridine	ND		ug/l	5.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	90		41-149

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/06/14 15:26
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/03/14 20:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG668369-1					
Acenaphthene	ND		ug/l	0.20	--
2-Chloronaphthalene	ND		ug/l	0.20	--
Fluoranthene	ND		ug/l	0.20	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.20	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Chrysene	ND		ug/l	0.20	--
Acenaphthylene	ND		ug/l	0.20	--
Anthracene	ND		ug/l	0.20	--
Benzo(ghi)perylene	ND		ug/l	0.20	--
Fluorene	ND		ug/l	0.20	--
Phenanthrene	ND		ug/l	0.20	--
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pyrene	ND		ug/l	0.20	--
1-Methylnaphthalene	ND		ug/l	0.20	--
2-Methylnaphthalene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--
Hexachloroethane	ND		ug/l	0.80	--

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 02/06/14 15:26
Analyst: MW

Extraction Method: EPA 3510C
Extraction Date: 02/03/14 20:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-03 Batch: WG668369-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	122		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668368-2 WG668368-3								
Acenaphthene	84		84		37-111	0		30
Benzidine	**3**	Q	**0**	Q	10-75	**153**	Q	30
1,2,4-Trichlorobenzene	70		70		39-98	0		30
Hexachlorobenzene	92		90		40-140	2		30
Bis(2-chloroethyl)ether	73		80		40-140	9		30
2-Chloronaphthalene	88		91		40-140	3		30
1,2-Dichlorobenzene	70		70		40-140	0		30
1,3-Dichlorobenzene	65		68		40-140	5		30
1,4-Dichlorobenzene	66		68		36-97	3		30
3,3'-Dichlorobenzidine	73		64		40-140	13		30
2,4-Dinitrotoluene	**103**	Q	**100**	Q	24-96	3		30
2,6-Dinitrotoluene	102		104		40-140	2		30
Azobenzene	94		94		40-140	0		30
Fluoranthene	96		96		40-140	0		30
4-Chlorophenyl phenyl ether	90		91		40-140	1		30
4-Bromophenyl phenyl ether	95		95		40-140	0		30
Bis(2-chloroisopropyl)ether	76		82		40-140	8		30
Bis(2-chloroethoxy)methane	86		94		40-140	9		30
Hexachlorobutadiene	68		69		40-140	1		30
Hexachlorocyclopentadiene	62		66		40-140	6		30
Hexachloroethane	66		64		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668368-2 WG668368-3								
Isophorone	89		95		40-140	7		30
Naphthalene	74		76		40-140	3		30
Nitrobenzene	80		83		40-140	4		30
NDPA/DPA	95		93		40-140	2		30
n-Nitrosodi-n-propylamine	86		94		29-132	9		30
Bis(2-ethylhexyl)phthalate	95		97		40-140	2		30
Butyl benzyl phthalate	98		101		40-140	3		30
Di-n-butylphthalate	98		97		40-140	1		30
Di-n-octylphthalate	101		97		40-140	4		30
Diethyl phthalate	96		96		40-140	0		30
Dimethyl phthalate	94		94		40-140	0		30
Benzo(a)anthracene	90		90		40-140	0		30
Benzo(a)pyrene	87		88		40-140	1		30
Benzo(b)fluoranthene	93		94		40-140	1		30
Benzo(k)fluoranthene	88		90		40-140	2		30
Chrysene	89		87		40-140	2		30
Acenaphthylene	91		92		45-123	1		30
Anthracene	91		90		40-140	1		30
Benzo(ghi)perylene	83		87		40-140	5		30
Fluorene	89		90		40-140	1		30
Phenanthrene	90		91		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668368-2 WG668368-3								
Dibenzo(a,h)anthracene	86		92		40-140	7		30
Indeno(1,2,3-cd)pyrene	86		92		40-140	7		30
Pyrene	96		94		26-127	2		30
Biphenyl	85		86		40-140	1		30
Aniline	**37**	Q	**27**	Q	40-140	**31**	Q	30
4-Chloroaniline	55		**39**	Q	40-140	**34**	Q	30
1-Methylnaphthalene	88		88		41-103	0		30
2-Nitroaniline	104		104		52-143	0		30
3-Nitroaniline	70		62		25-145	12		30
4-Nitroaniline	94		89		51-143	5		30
Dibenzofuran	88		90		40-140	2		30
2-Methylnaphthalene	83		84		40-140	1		30
n-Nitrosodimethylamine	38		38		22-74	0		30
2,4,6-Trichlorophenol	98		99		30-130	1		30
p-Chloro-m-cresol	**100**	Q	**103**	Q	23-97	3		30
2-Chlorophenol	79		83		27-123	5		30
2,4-Dichlorophenol	92		96		30-130	4		30
2,4-Dimethylphenol	70		60		30-130	15		30
2-Nitrophenol	92		98		30-130	6		30
4-Nitrophenol	66		67		10-80	2		30
2,4-Dinitrophenol	83		82		20-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG668368-2 WG668368-3								
4,6-Dinitro-o-cresol	100		99		20-164	1		30
Pentachlorophenol	91		90		9-103	1		30
Phenol	43		44		12-110	2		30
2-Methylphenol	76		78		30-130	3		30
3-Methylphenol/4-Methylphenol	78		81		30-130	4		30
2,4,5-Trichlorophenol	101		103		30-130	2		30
Benzoic Acid	11		12		10-164	9		30
Benzyl Alcohol	83		82		26-116	1		30
Carbazole	98		98		55-144	0		30
Pyridine	22		14		10-66	**44**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		60		21-120
Phenol-d6	41		45		10-120
Nitrobenzene-d5	84		98		23-120
2-Fluorobiphenyl	86		94		15-120
2,4,6-Tribromophenol	89		101		10-120
4-Terphenyl-d14	95		104		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG668369-2 WG668369-3								
Acenaphthene	80		77		37-111	4		40
2-Chloronaphthalene	74		72		40-140	3		40
Fluoranthene	114		95		40-140	18		40
Hexachlorobutadiene	68		66		40-140	3		40
Naphthalene	71		69		40-140	3		40
Benzo(a)anthracene	102		94		40-140	8		40
Benzo(a)pyrene	93		84		40-140	10		40
Benzo(b)fluoranthene	98		87		40-140	12		40
Benzo(k)fluoranthene	98		87		40-140	12		40
Chrysene	92		83		40-140	10		40
Acenaphthylene	84		81		40-140	4		40
Anthracene	90		82		40-140	9		40
Benzo(ghi)perylene	94		93		40-140	1		40
Fluorene	97		88		40-140	10		40
Phenanthrene	88		79		40-140	11		40
Dibenzo(a,h)anthracene	102		94		40-140	8		40
Indeno(1,2,3-cd)Pyrene	99		96		40-140	3		40
Pyrene	105		86		26-127	20		40
1-Methylnaphthalene	76		74		40-140	3		40
2-Methylnaphthalene	74		72		40-140	3		40
Pentachlorophenol	88		69		9-103	24		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-03 Batch: WG668369-2 WG668369-3								
Hexachlorobenzene	82		76		40-140	8		40
Hexachloroethane	69		65		40-140	6		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	48		45		21-120
Phenol-d6	34		32		10-120
Nitrobenzene-d5	75		74		23-120
2-Fluorobiphenyl	71		68		15-120
2,4,6-Tribromophenol	92		83		10-120
4-Terphenyl-d14	118		96		41-149

PCBS

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-01	Date Collected:	01/31/14 09:30
Client ID:	HA-14	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	02/04/14 09:07
Analytical Date:	02/05/14 09:59	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/04/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-02	Date Collected:	01/31/14 12:05
Client ID:	VES-7 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	02/04/14 09:07
Analytical Date:	02/05/14 10:12	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/04/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	41		30-150	A

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID:	L1402576-03	Date Collected:	01/31/14 14:05
Client ID:	VES-10 (MW)	Date Received:	01/31/14
Sample Location:	82 MAIN STREET	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 608
Analytical Method:	5,608	Extraction Date:	02/04/14 09:07
Analytical Date:	02/05/14 10:24	Cleanup Method1:	EPA 3665A
Analyst:	JW	Cleanup Date1:	02/04/14
		Cleanup Method2:	EPA 3660B
		Cleanup Date2:	02/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.250	--	1	A
Aroclor 1221	ND		ug/l	0.250	--	1	A
Aroclor 1232	ND		ug/l	0.250	--	1	A
Aroclor 1242	ND		ug/l	0.250	--	1	A
Aroclor 1248	ND		ug/l	0.250	--	1	A
Aroclor 1254	ND		ug/l	0.250	--	1	A
Aroclor 1260	ND		ug/l	0.200	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,608
Analytical Date: 02/05/14 11:13
Analyst: JW

Extraction Method: EPA 608
Extraction Date: 02/04/14 09:07
Cleanup Method1: EPA 3665A
Cleanup Date1: 02/04/14
Cleanup Method2: EPA 3660B
Cleanup Date2: 02/04/14

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG668400-1						
Aroclor 1016	ND		ug/l	0.250	--	A
Aroclor 1221	ND		ug/l	0.250	--	A
Aroclor 1232	ND		ug/l	0.250	--	A
Aroclor 1242	ND		ug/l	0.250	--	A
Aroclor 1248	ND		ug/l	0.250	--	A
Aroclor 1254	ND		ug/l	0.250	--	A
Aroclor 1260	ND		ug/l	0.200	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	58		30-150	A

Matrix Spike Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668400-3 QC Sample: L1402631-02 Client ID: MS Sample													
Aroclor 1016	ND	1	0.584	58		-	-		40-140	-		50	A
Aroclor 1260	ND	1	0.587	59		-	-		40-140	-		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58				30-150	A
Decachlorobiphenyl	58				30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG668400-2									
Aroclor 1016	139		-		40-140	-		50	A
Aroclor 1260	**142**	Q	-		40-140	-		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120				30-150	A
Decachlorobiphenyl	80				30-150	A

Lab Duplicate Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits	
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668400-4 QC Sample: L1402576-03 Client ID: VES-10 (MW)							
Aroclor 1016	ND	ND	ug/l	NC		50	A
Aroclor 1221	ND	ND	ug/l	NC		50	A
Aroclor 1232	ND	ND	ug/l	NC		50	A
Aroclor 1242	ND	ND	ug/l	NC		50	A
Aroclor 1248	ND	ND	ug/l	NC		50	A
Aroclor 1254	ND	ND	ug/l	NC		50	A
Aroclor 1260	ND	ND	ug/l	NC		50	A

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		77		30-150	A
Decachlorobiphenyl	54		62		30-150	A

METALS

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01
Client ID: HA-14
Sample Location: 82 MAIN STREET
Matrix: Water
Date Collected: 01/31/14 09:30
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	0.00549		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Arsenic, Total	0.00119		mg/l	0.00050	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Cadmium, Total	0.00026		mg/l	0.00020	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Chromium, Total	0.00596		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Copper, Total	0.00620		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Iron, Total	2.1		mg/l	0.05	--	1	02/03/14 09:39	02/06/14 12:30	EPA 3005A	19,200.7	JH
Lead, Total	0.00568		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.0002	--	1	02/01/14 07:45	02/01/14 10:36	EPA 245.1	3,245.1	AK
Nickel, Total	0.00478		mg/l	0.00050	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM
Zinc, Total	0.05745		mg/l	0.01000	--	1	02/03/14 09:39	02/04/14 23:46	EPA 3005A	1,6020A	BM

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02
Client ID: VES-7 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water

Date Collected: 01/31/14 12:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Arsenic, Total	0.02243		mg/l	0.00050	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Chromium, Total	0.00232		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Copper, Total	0.00311		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Iron, Total	5.2		mg/l	0.05	--	1	02/03/14 09:39	02/06/14 12:46	EPA 3005A	19,200.7	JH
Lead, Total	0.00129		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.0002	--	1	02/01/14 07:45	02/01/14 10:38	EPA 245.1	3,245.1	AK
Nickel, Total	0.00377		mg/l	0.00050	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM
Zinc, Total	0.01538		mg/l	0.01000	--	1	02/03/14 09:39	02/05/14 00:17	EPA 3005A	1,6020A	BM

Project Name: NATICK PAPER
Lab Number: L1402576
Project Number: 27123
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03
Client ID: VES-10 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water

Date Collected: 01/31/14 14:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Antimony, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Arsenic, Total	0.01077		mg/l	0.00050	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Chromium, Total	0.00149		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Copper, Total	0.00130		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Iron, Total	44		mg/l	0.05	--	1	02/03/14 09:39	02/06/14 12:50	EPA 3005A	19,200.7	JH
Lead, Total	0.00217		mg/l	0.00100	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.0002	--	1	02/01/14 07:45	02/01/14 10:40	EPA 245.1	3,245.1	AK
Nickel, Total	0.00193		mg/l	0.00050	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM
Zinc, Total	0.02824		mg/l	0.01000	--	1	02/03/14 09:39	02/05/14 00:23	EPA 3005A	1,6020A	BM

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG668100-1										
Mercury, Total	ND		mg/l	0.0002	--	1	02/01/14 07:45	02/01/14 10:13	3,245.1	AK

Prep Information

Digestion Method: EPA 245.1

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG668214-1										
Antimony, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Arsenic, Total	ND		mg/l	0.00050	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Cadmium, Total	ND		mg/l	0.00020	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Chromium, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Copper, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Lead, Total	ND		mg/l	0.00100	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Nickel, Total	ND		mg/l	0.00050	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Selenium, Total	ND		mg/l	0.00500	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Silver, Total	ND		mg/l	0.00040	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM
Zinc, Total	ND		mg/l	0.01000	--	1	02/03/14 09:39	02/04/14 22:56	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG668342-1										
Iron, Total	ND		mg/l	0.05	--	1	02/03/14 09:39	02/06/14 12:23	19,200.7	JH

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG668100-2								
Mercury, Total	96		-		85-115	-		
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG668214-2								
Antimony, Total	93		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Copper, Total	104		-		80-120	-		
Lead, Total	102		-		80-120	-		
Nickel, Total	107		-		80-120	-		
Selenium, Total	106		-		80-120	-		
Silver, Total	99		-		80-120	-		
Zinc, Total	109		-		80-120	-		
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG668342-2								
Iron, Total	100		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668100-4 QC Sample: L1402490-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.0053	105		-	-		70-130	-		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668214-4 QC Sample: L1402576-01 Client ID: HA-14												
Antimony, Total	0.00549	0.5	0.4907	97		-	-		75-125	-		20
Arsenic, Total	0.00119	0.12	0.1280	106		-	-		75-125	-		20
Cadmium, Total	0.00026	0.051	0.05338	104		-	-		75-125	-		20
Chromium, Total	0.00596	0.2	0.2104	102		-	-		75-125	-		20
Copper, Total	0.00620	0.25	0.2669	104		-	-		75-125	-		20
Lead, Total	0.00568	0.51	0.5416	105		-	-		75-125	-		20
Nickel, Total	0.00478	0.5	0.5346	106		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.129	108		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05141	103		-	-		75-125	-		20
Zinc, Total	0.05745	0.5	0.6062	110		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668342-4 QC Sample: L1402576-01 Client ID: HA-14												
Iron, Total	2.1	1	3.4	**130**	Q	-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668100-3 QC Sample: L1402490-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668214-3 QC Sample: L1402576-01 Client ID: HA-14						
Antimony, Total	0.00549	0.00516	mg/l	6		20
Arsenic, Total	0.00119	0.00093	mg/l	**25**	Q	20
Cadmium, Total	0.00026	0.00026	mg/l	0		20
Chromium, Total	0.00596	0.00518	mg/l	14		20
Copper, Total	0.00620	0.00571	mg/l	8		20
Lead, Total	0.00568	0.00513	mg/l	10		20
Nickel, Total	0.00478	0.00424	mg/l	12		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.05745	0.05461	mg/l	5		20
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668342-3 QC Sample: L1402576-01 Client ID: HA-14						
Iron, Total	2.1	2.5	mg/l	17		20

INORGANICS
&
MISCELLANEOUS

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-01
Client ID: HA-14
Sample Location: 82 MAIN STREET
Matrix: Water

Date Collected: 01/31/14 09:30
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	25.		mg/l	5.0	NA	1	-	02/03/14 12:30	30,2540D	DW
Cyanide, Total	ND		mg/l	0.005	--	1	02/04/14 10:50	02/04/14 18:20	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	01/31/14 20:42	30,4500CL-D	EL
TPH	ND		mg/l	4.40	--	1.1	02/03/14 07:30	02/04/14 08:00	74,1664A	ML
Phenolics, Total	ND		mg/l	0.03	--	1	02/03/14 11:45	02/03/14 16:07	4,420.1	TE
Chromium, Hexavalent	ND		mg/l	0.010	--	1	01/31/14 19:30	01/31/14 19:51	30,3500CR-D	EL
Anions by Ion Chromatography - Westborough Lab										
Chloride	207.		mg/l	12.5	--	25	-	02/03/14 17:32	44,300.0	AU

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-02
Client ID: VES-7 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water

Date Collected: 01/31/14 12:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	960		mg/l	25	NA	5	-	02/03/14 12:30	30,2540D	DW
Cyanide, Total	ND		mg/l	0.005	--	1	02/04/14 10:50	02/04/14 18:20	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	01/31/14 20:42	30,4500CL-D	EL
TPH	ND		mg/l	4.00	--	1	02/03/14 07:30	02/04/14 08:00	74,1664A	ML
Phenolics, Total	ND		mg/l	0.03	--	1	02/03/14 11:45	02/03/14 16:09	4,420.1	TE
Chromium, Hexavalent	ND		mg/l	0.010	--	1	01/31/14 19:30	01/31/14 19:51	30,3500CR-D	EL
Anions by Ion Chromatography - Westborough Lab										
Chloride	164.		mg/l	12.5	--	25	-	02/03/14 17:44	44,300.0	AU

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

SAMPLE RESULTS

Lab ID: L1402576-03
Client ID: VES-10 (MW)
Sample Location: 82 MAIN STREET
Matrix: Water

Date Collected: 01/31/14 14:05
Date Received: 01/31/14
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	61.		mg/l	5.0	NA	1	-	02/03/14 12:30	30,2540D	DW
Cyanide, Total	0.006		mg/l	0.005	--	1	02/05/14 11:00	02/06/14 14:08	30,4500CN-CE	JO
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	01/31/14 20:42	30,4500CL-D	EL
TPH	ND		mg/l	4.40	--	1.1	02/03/14 07:30	02/04/14 08:00	74,1664A	ML
Phenolics, Total	ND		mg/l	0.03	--	1	02/03/14 11:45	02/03/14 16:10	4,420.1	TE
Chromium, Hexavalent	ND		mg/l	0.010	--	1	01/31/14 19:30	01/31/14 19:52	30,3500CR-D	EL
Anions by Ion Chromatography - Westborough Lab										
Chloride	45.0		mg/l	12.5	--	25	-	02/03/14 17:56	44,300.0	AU

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG668041-1										
Chromium, Hexavalent	ND		mg/l	0.010	--	1	01/31/14 19:30	01/31/14 19:50	30,3500CR-D	EL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG668045-1										
Chlorine, Total Residual	ND		mg/l	0.02	--	1	-	01/31/14 20:42	30,4500CL-D	EL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG668197-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	02/03/14 12:30	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG668262-1										
Phenolics, Total	ND		mg/l	0.03	--	1	02/03/14 11:45	02/03/14 17:02	4,420.1	TE
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG668265-1										
TPH	ND		mg/l	4.00	--	1	02/03/14 07:30	02/04/14 08:00	74,1664A	ML
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-03 Batch: WG668374-1										
Chloride	ND		mg/l	0.500	--	1	-	02/03/14 17:08	44,300.0	AU
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG668586-1										
Cyanide, Total	ND		mg/l	0.005	--	1	02/04/14 10:50	02/04/14 18:06	30,4500CN-CE	JO
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG668748-1										
Cyanide, Total	ND		mg/l	0.005	--	1	02/05/14 11:00	02/06/14 13:59	30,4500CN-CE	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: NATICK PAPER

Project Number: 27123

Lab Number: L1402576

Report Date: 02/07/14

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG668041-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG668045-2								
Chlorine, Total Residual	97		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG668262-2								
Phenolics, Total	102		-		70-130	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG668265-2								
TPH	85		-		64-132	-		34
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03 Batch: WG668374-2								
Chloride	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG668586-2								
Cyanide, Total	92		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG668748-2								
Cyanide, Total	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668041-4 QC Sample: L1402576-01 Client ID: HA-14												
Chromium, Hexavalent	ND	0.1	0.109	109		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668262-4 QC Sample: L1402571-02 Client ID: MS Sample												
Phenolics, Total	ND	0.4	0.40	99		-	-		70-130	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668265-4 QC Sample: L1402552-01 Client ID: MS Sample												
TPH	ND	25	20.3	81		-	-		64-132	-		34
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668374-3 QC Sample: L1402552-02 Client ID: MS Sample												
Chloride	43.9	100	151	107		-	-		40-151	-		18
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG668586-3 QC Sample: L1402361-02 Client ID: MS Sample												
Cyanide, Total	0.011	0.2	0.179	**84**	Q	-	-		90-110	-		30
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG668748-4 QC Sample: L1402801-02 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.182	91		-	-		90-110	-		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668041-3 QC Sample: L1402576-01 Client ID: HA-14						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668045-3 QC Sample: L1402552-01 Client ID: DUP Sample						
Chlorine, Total Residual	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668197-2 QC Sample: L1402546-01 Client ID: DUP Sample						
Solids, Total Suspended	340	350	mg/l	3		29
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668262-3 QC Sample: L1402571-01 Client ID: DUP Sample						
Phenolics, Total	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668265-3 QC Sample: L1402446-01 Client ID: DUP Sample						
TPH	ND	ND	mg/l	NC		34
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG668374-4 QC Sample: L1402552-02 Client ID: DUP Sample						
Chloride	43.9	43.8	mg/l	0		18
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG668586-4 QC Sample: L1402361-02 Client ID: DUP Sample						
Cyanide, Total	0.011	0.012	mg/l	10		30
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG668748-3 QC Sample: L1402801-02 Client ID: DUP Sample						
Cyanide, Total	ND	ND	mg/l	NC		30

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402576-01A	Vial Na2S2O3 preserved	C	N/A	3.9	Y	Absent	8260(7),8260-SIM(14)
L1402576-01B	Vial Na2S2O3 preserved	C	N/A	3.9	Y	Absent	8260(7),8260-SIM(14)
L1402576-01C	Vial Na2S2O3 preserved	C	N/A	3.9	Y	Absent	8260(7),8260-SIM(14)
L1402576-01D	Vial Na2S2O3 preserved	C	N/A	3.9	Y	Absent	504(14)
L1402576-01E	Vial Na2S2O3 preserved	C	N/A	3.9	Y	Absent	504(14)
L1402576-01F	Plastic 250ml NaOH preserved	C	>12	3.9	Y	Absent	TCN-4500(14)
L1402576-01G	Plastic 250ml HNO3 preserved	C	<2	3.9	Y	Absent	SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180)
L1402576-01H	Plastic 500ml unpreserved	C	7	3.9	Y	Absent	CL-300(28),TRC-4500(1)
L1402576-01I	Plastic 500ml unpreserved	C	7	3.9	Y	Absent	HEXCR-3500(1)
L1402576-01J	Plastic 1000ml unpreserved	C	7	3.9	Y	Absent	TSS-2540(7)
L1402576-01K	Amber 500ml H2SO4 preserved	C	<2	3.9	Y	Absent	TPHENOL-420(28)
L1402576-01L	Amber 1000ml HCl preserved	C	N/A	3.9	Y	Absent	TPH-1664(28)
L1402576-01M	Amber 1000ml HCl preserved	C	N/A	3.9	Y	Absent	TPH-1664(28)
L1402576-01N	Amber 1000ml Na2S2O3	C	7	3.9	Y	Absent	PCB-608(7)
L1402576-01O	Amber 1000ml Na2S2O3	C	7	3.9	Y	Absent	PCB-608(7)
L1402576-01P	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-01Q	Amber 1000ml unpreserved	C	7	3.9	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-01R	Amber 1000ml Na2S2O3	C	7	3.9	Y	Absent	-
L1402576-01S	Amber 1000ml Na2S2O3	C	7	3.9	Y	Absent	-
L1402576-02A	Vial Na2S2O3 preserved	A	N/A	2.7	Y	Absent	8260(7),8260-SIM(14)
L1402576-02B	Vial Na2S2O3 preserved	A	N/A	2.7	Y	Absent	8260(7),8260-SIM(14)

*Values in parentheses indicate holding time in days

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402576-02C	Vial Na2S2O3 preserved	A	N/A	2.7	Y	Absent	8260(7),8260-SIM(14)
L1402576-02D	Vial Na2S2O3 preserved	A	N/A	2.7	Y	Absent	504(14)
L1402576-02E	Vial Na2S2O3 preserved	A	N/A	2.7	Y	Absent	504(14)
L1402576-02F	Plastic 250ml NaOH preserved	A	>12	2.7	Y	Absent	TCN-4500(14)
L1402576-02G	Plastic 250ml HNO3 preserved	A	<2	2.7	Y	Absent	SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180)
L1402576-02H	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	CL-300(28),TRC-4500(1)
L1402576-02I	Plastic 500ml unpreserved	A	7	2.7	Y	Absent	HEXCR-3500(1)
L1402576-02J	Plastic 1000ml unpreserved	A	7	2.7	Y	Absent	TSS-2540(7)
L1402576-02K	Amber 500ml H2SO4 preserved	A	<2	2.7	Y	Absent	TPHENOL-420(28)
L1402576-02L	Amber 1000ml HCl preserved	A	N/A	2.7	Y	Absent	TPH-1664(28)
L1402576-02M	Amber 1000ml HCl preserved	A	N/A	2.7	Y	Absent	TPH-1664(28)
L1402576-02N	Amber 1000ml Na2S2O3	A	7	2.7	Y	Absent	PCB-608(7)
L1402576-02O	Amber 1000ml Na2S2O3	A	7	2.7	Y	Absent	PCB-608(7)
L1402576-02P	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-02Q	Amber 1000ml unpreserved	A	7	2.7	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-02R	Amber 1000ml Na2S2O3	A	7	2.7	Y	Absent	-
L1402576-02S	Amber 1000ml Na2S2O3	A	7	2.7	Y	Absent	-
L1402576-03A	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	8260(7),8260-SIM(14)
L1402576-03B	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	8260(7),8260-SIM(14)
L1402576-03C	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	8260(7),8260-SIM(14)
L1402576-03D	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	504(14)
L1402576-03E	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	504(14)
L1402576-03F	Plastic 250ml NaOH preserved	B	>12	3.4	Y	Absent	TCN-4500(14)
L1402576-03G	Plastic 250ml HNO3 preserved	B	<2	3.4	Y	Absent	SE-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),FE-UI(180),PB-6020T(180),HG-U(28),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180)
L1402576-03H	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	CL-300(28),TRC-4500(1)
L1402576-03I	Plastic 500ml unpreserved	B	7	3.4	Y	Absent	HEXCR-3500(1)
L1402576-03J	Plastic 1000ml unpreserved	B	7	3.4	Y	Absent	TSS-2540(7)
L1402576-03K	Amber 500ml H2SO4 preserved	B	<2	3.4	Y	Absent	TPHENOL-420(28)
L1402576-03L	Amber 1000ml HCl preserved	B	N/A	3.4	Y	Absent	TPH-1664(28)

*Values in parentheses indicate holding time in days

Project Name: NATICK PAPER
Project Number: 27123

Lab Number: L1402576
Report Date: 02/07/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1402576-03M	Amber 1000ml HCl preserved	B	N/A	3.4	Y	Absent	TPH-1664(28)
L1402576-03N	Amber 1000ml Na2S2O3	B	7	3.4	Y	Absent	PCB-608(7)
L1402576-03O	Amber 1000ml Na2S2O3	B	7	3.4	Y	Absent	PCB-608(7)
L1402576-03P	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-03Q	Amber 1000ml unpreserved	B	7	3.4	Y	Absent	8270TCL(7),8270TCL-SIM(7)
L1402576-03R	Amber 1000ml Na2S2O3	B	7	3.4	Y	Absent	-
L1402576-03S	Amber 1000ml Na2S2O3	B	7	3.4	Y	Absent	-
L1402576-04A	Vial Na2S2O3 preserved	B	N/A	3.4	Y	Absent	HOLD(14)

Container Comments

L1402576-01G

L1402576-01O

L1402576-02G

L1402576-02N

L1402576-03G

L1402576-03N

L1402576-03O

*Values in parentheses indicate holding time in days

Project Name:	NATICK PAPER	**Lab Number:**	L1402576
Project Number:	27123	**Report Date:**	02/07/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The lower value for the two columns has been reported due to obvious interference.

Report Format: Data Usability Report

Project Name:	NATICK PAPER	**Lab Number:**	L1402576
Project Number:	27123	**Report Date:**	02/07/14

Data Qualifiers

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: NATICK PAPER
Project Number: 27123
Lab Number: L1402576
Report Date: 02/07/14

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.

4 Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. Revised March 1983.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

14 Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water. EPA/600/4-88/039, Revised July 1991.

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 11, 2013

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 1/31/14

ALPHA Job #: L1402576

ALPHA ANALYTICAL
World Class Chemistry
8 Walkup Drive, Westboro, MA 01581, Tel: 508-898-9220
320 Forbes Blvd, Mansfield, MA 02048, Tel: 508-822-9300

Client Information

Client: VERTEX
Address: 1 Congress St, Boston MA
Phone: 781-952-6000
Email: bgibbons@vertexeng.org

Project Information

Project Name: Natick Park's
Project Location: 27123
Project #: 82 Main St.
Project Manager: Bill Gibbons
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: 2/7/14

Additional Project Information:

Report Information - Data Deliverables

☑ ADEx ☑ EMAIL

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements & Project Information Requirements

☐ Yes ☐ No MA MCP Analytical Methods ☐ Yes ☐ No CT RCP Analytical Methods
☐ Yes ☐ No Matrix Spike Required on this SDG? (Required for MCP Inorganics)
☐ Yes ☐ No GW1 Standards (Info Required for Metals & EPH with Targets)
☐ Yes ☐ No NPDES RGP
☐ Other State /Fed Program ____ Criteria ____

ANALYSIS: VOC: ☐ 8260 ☐ 624 ☐ 524.2 | SVOC: ☐ ABN ☐ PAH | METALS: ☐ MCP 13 ☐ MCP 14 ☐ RCP 15 | METALS: ☐ RCRA5 ☐ RCRA8 ☐ PP13 | EPH: ☐ Ranges & Targets ☐ Ranges Only | VPH: ☐ Ranges & Targets ☐ Ranges Only | ☐ PCB ☐ PEST | TPH: ☐ Quant Only ☐ Fingerprint | NPDES Full Suite

SAMPLE INFO
Filtration ☐ Field ☐ Lab to do
Preservation ☐ Lab to do

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler Initials	NPDES Full Suite	Sample Comments	TOTAL # BOTTLES
02576.1	HA-14	1/31	9:30	AFS	GW	X		19
2	VES-7(MW)	1/31	12:05	AFS	GW	X		19
3	VES-10(MW)	1/31	2:05	AFS	GW	X		19

Container Type
Preservative

Container Type
P= Plastic
A= Amber glass
V= Vial
G= Glass
B= Bacteria cup
C= Cube
O= Other
E= Encore
D= BOD Bottle

Preservative
A= None
B= HCl
C= HNO_3
D= H_2SO_4
E= NaOH
F= MeOH
G= $NaHSO_4$
H = $Na_2S_2O_3$
I= Ascorbic Acid
J = NH_4Cl
K= Zn Acetate
O= Other

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1-31-14 14:20	Peter A Vargas	1-31-14 14:20
Peter Vargas	1-31-14 17:13	Richard Scott	1/31/14 17:13

FORM NO: 01-01 (rev. 12-Mar-2012)

APPENDIX C
ENDANGERED SPECIES DOCUMENTATION

United States Department of the Interior

FISH AND WILDLIFE SERVICE

New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5087
http://www.fws.gov/newengland

January 7, 2014

To Whom It May Concern:

This project was reviewed for the presence of federally listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

http://www.fws.gov/newengland/EndangeredSpec-Consultation.htm

Based on information currently available to us, no federally listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under section 7 of the Endangered Species Act is not required. No further Endangered Species Act coordination is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Maria Tur of this office at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

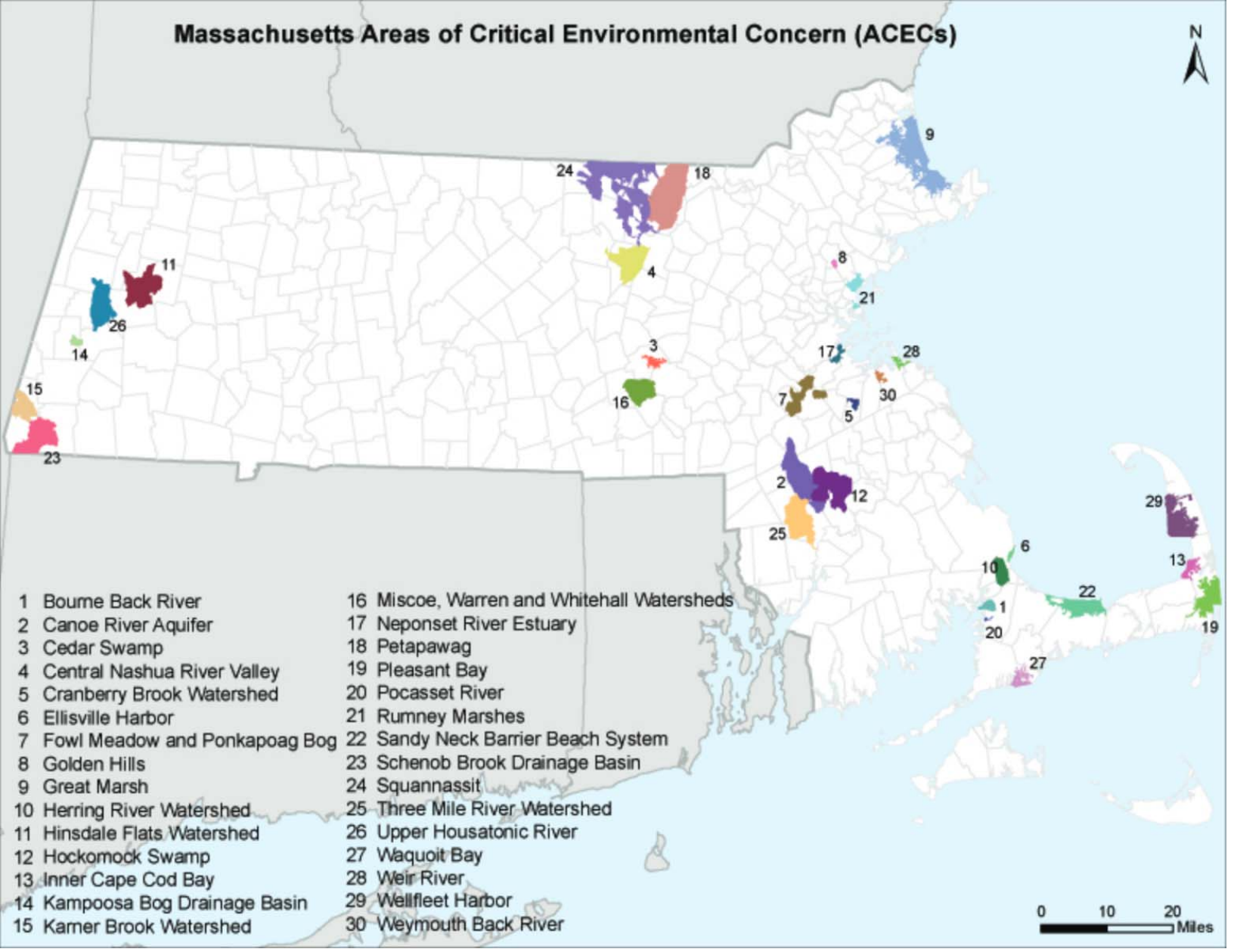
FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Taunton
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague, Warwick
	Dwarf wedgemussel	Endangered	Mill River	Whately
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hatfield, Amherst and Northampton
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied Cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, Wareham, Halifax, and Pembroke
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
Suffolk	Piping Plover	Threatened	Coastal Beaches	Winthrop
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.
-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.
-Critical habitat for the Northern Red-bellied Cooter is present in Plymouth County.

Revised 10/7/2011

Massachusetts Areas of Critical Environmental Concern (ACECs)



1 Bourne Back River
2 Canoe River Aquifer
3 Cedar Swamp
4 Central Nashua River Valley
5 Cranberry Brook Watershed
6 Ellisville Harbor
7 Fowl Meadow and Ponkapoag Bog
8 Golden Hills
9 Great Marsh
10 Herring River Watershed
11 Hinsdale Flats Watershed
12 Hockomock Swamp
13 Inner Cape Cod Bay
14 Kampoosa Bog Drainage Basin
15 Karner Brook Watershed
16 Miscoe, Warren and Whitehall Watersheds
17 Neponset River Estuary
18 Petapawag
19 Pleasant Bay
20 Pocasset River
21 Rumney Marshes
22 Sandy Neck Barrier Beach System
23 Schenob Brook Drainage Basin
24 Squannassit
25 Three Mile River Watershed
26 Upper Housatonic River
27 Waquoit Bay
28 Weir River
29 Wellfleet Harbor
30 Weymouth Back River

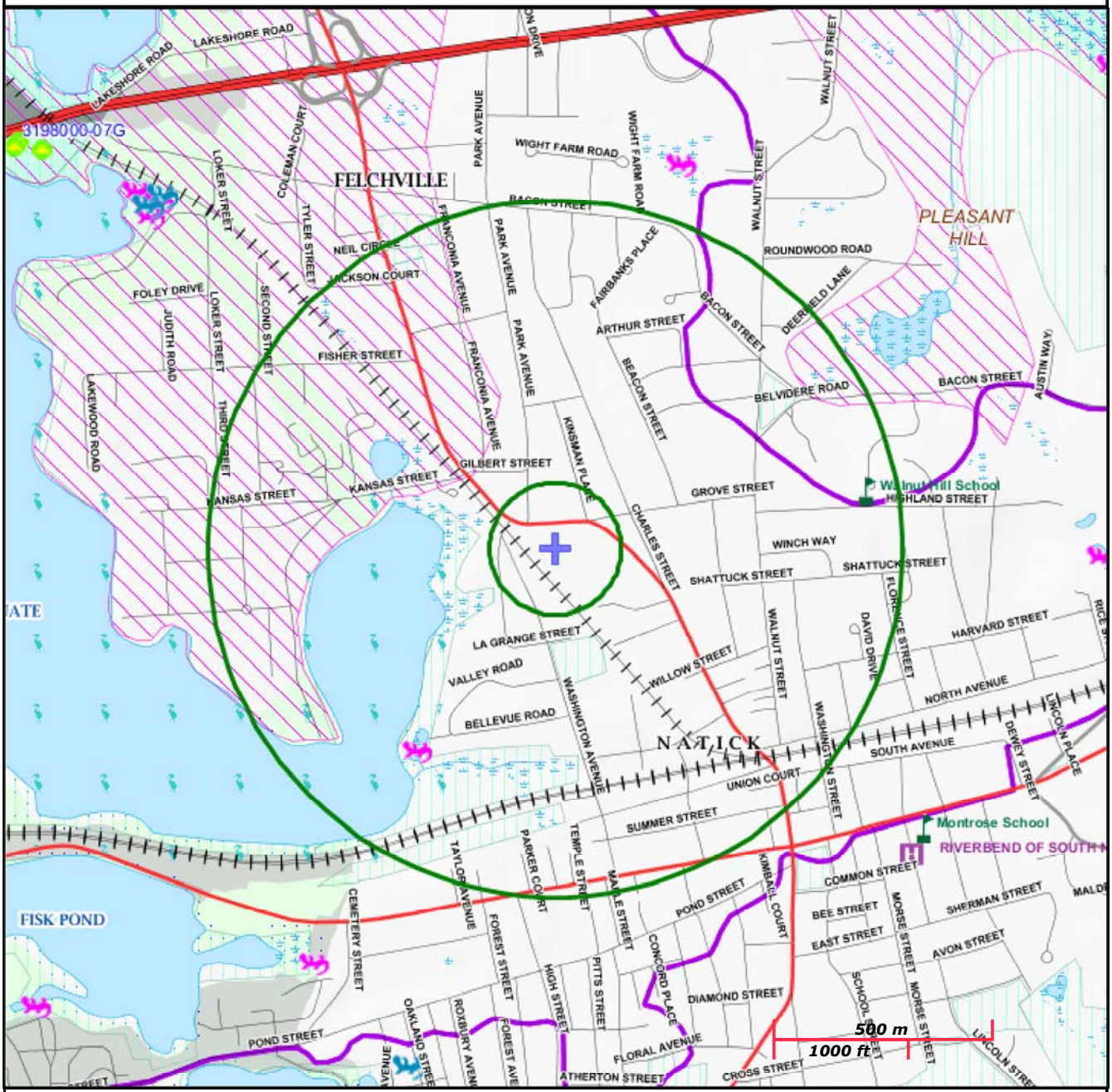
MassDEP - Bureau of Waste Site Cleanup

MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

Site Information:
FORMER NATICK PAPERBOARD
82 NORTH MAIN STREET NATICK, MA
3-000026050
NAD83 UTM Meters:
5204519mN , -7943080mE (Zone: 18)
February 13, 2014

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately repsponsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct
Basins: Major,PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam
Aquifers: Medium Yield, High Yield, EPA Sole Source
Non Potential Drinking Water Source Area: Medium, High (Yield)
PWS Protection Areas: Zone II, IWPA, Zone A
Hydrography: Open Water, PWS Reservoir, Tidal Flat
Wetlands: Freshwater, Saltwater, Cranberry Bog
FEMA 100yr Floodplain; Protected Open Space; ACEC
Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential
Solid Waste Landfill; PWS: Com.GW,SW, Emerg.,Non-Com.

Massachusetts Department of Energy and Environmental Affairs
Massachusetts Endangered Species Act (MESA) List

Town	Taxonomic Group	ScientificName	CommonName	MESA Status	Federal Status	Most Recent Observation
NATICK	Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		2003
NATICK	Vascular Plant	Asclepias purpurascens	Purple Milkweed	E		1943
NATICK	Beetle	Cicindela purpurea	Cow Path Tiger Beetle	SC		1937
NATICK	Beetle	Cicindela rufiventris hentzii	Eastern Red-bellied Tiger Beetle	T		Historic
NATICK	Crustacean	Eubranchipus intricatus	Intricate Fairy Shrimp	SC		1998
NATICK	Vascular Plant	Gentiana andrewsii	Andrews' Bottle Gentian	E		1917
NATICK	Mussel	Ligumia nasuta	Eastern Pondmussel	SC		2006
NATICK	Vascular Plant	Nabalus serpentarius	Lion's Foot	E		1905
NATICK	Butterfly/Moth	Pieris oleracea	Mustard White	T		Historic
NATICK	Vascular Plant	Scheuchzeria palustris	Pod-grass	E		1899
NATICK	Dragonfly/Damselfly	Somatochlora linearis	Mocha Emerald	SC		1971
NATICK	Vascular Plant	Sphenopholis nitida	Shining Wedgegrass	T		1915
NATICK	Mussel	Strophitus undulatus	Creeper	SC		2000
NATICK	Reptile	Terrapene carolina	Eastern Box Turtle	SC		2007
NATICK	Snail	Valvata sincera	Boreal Turret Snail	E		1977

Notes:
1. E = Engangered
2. T = Threatened
3. CS = Special Concern