

51 Fremont Street
Needham, MA 02494
617-947-7702
www.tg2solutions.com



August 4, 2016

US EPA Dewatering GP Processing
Industrial Permit Unit (OEP 06- 4)
5 Post Office Square – Suite 100
Boston, MA 02109-3912

**RE: Dewatering General Permit NOI Application
32 Commercial Street, Foxborough, MA 02035**

To Whom It May Concern:

Attached, please find a Notice of Intent and completed Dewatering General Permit (DGP) application for a proposed 3-day construction dewatering project at the above-referenced location. This NOI/DGP application was prepared on behalf of Colbea Enterprises, LLC of Cranston, RI, the site owner/operator for 32 Commercial Street in Foxborough. Colbea wishes to complete a underground storage tank installation at this location. Due to shallow groundwater, dewatering will be required to aid the construction, which is expected to last for approximately 3 working days.

Per the DGP NOI instructions, a copy of this NOI and DGP application has been submitted concurrently to the MassDEP at the following address:

MassDEP Division of Watershed Management
8 New Bond Street
Worcester, MA 01606

If you have any questions, please contact me at 508-298-8686.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Eric D. Simpson'.

Eric D. Simpson, P.G., LSP
Co-Founder/Owner

II. Suggested Notice of Intent (NOI) Format

1. General facility information. Please provide the following information about the facility.

a) Name of facility: Shell-Branded gasoline station/conv. store		Mailing Address for the Facility: 30 Commercial Street, Foxborough, MA 02035	
b) Location Address of the Facility (if different from mailing address): Same	Facility Location longitude: 71 14' 31.48" latitude: 42 03' 10.95"		Type of Business: Gas station/Conv. Store
			Facility SIC codes: 5541
c) Name of facility owner: Colbea Enterprises LLC Owner's email: twbreckel@eastsideenterprise.com Owner's Tel #: 401-943-0005 Owner's Fax #: _____ Address of owner (if different from facility address) 2050 Plainfield Pike, Cranston, RI Owner is (check one): 1. Federal _____ 2. State _____ 3. Private ☒ 4. Other _____ (Describe) _____			
Legal name of Operator, if not owner: Same as owner Operator Contact Name: _____ Operator Tel Number: _____ Fax Number: _____ Operator's email: _____ Operator Address (if different from owner)			
d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? Yes, Figure 1			
e) Check Yes or No for the following: 1. Has a prior NPDES permit been granted for the discharge? Yes _____ No ☒ If Yes, Permit Number: _____ 2. Is the discharge a "new discharger" as defined by 40 CFR Section 122.2? Yes _____ No ☒ 3. Is the facility covered by an individual NPDES permit? Yes _____ No ☒ If Yes, Permit Number _____ 4. Is there a pending application on file with EPA for this discharge? Yes _____ No ☒ If Yes, date of submittal: _____			

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

a) Name of receiving water into which discharge will occur: Stormwater catch basins which discharge to Robinson Brook
State Water Quality Classification: _____ Freshwater: X Marine Water: _____

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

1. Construction dewatering of groundwater intrusion and/or storm water accumulation.
2. Short-term or long-term dewatering of foundation sumps.
3. Other.

Short term groundwater dewatering to allow the installation of new gasoline underground storage tanks

c) Number of outfalls _____

For each outfall:

d) Estimate the maximum daily and average monthly flow of the discharge (in gallons per day – GPD). Max Daily Flow 7,200 GPD
Average Monthly Flow 7,200 GPD

e.) What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH 7.22 Min pH 6.19 From ambient groundwater readings

f.) Identify the source of the discharge (i.e. potable water, surface water, or groundwater). If groundwater, the facility shall submit effluent test results, as required in Section 4.4.5 of the General Permit. Stormwater catch basins which discharge to Robinson Brook then Hershey Pond

g.) What treatment does the wastewater receive prior to discharge? Settling baffle tank, sediment bag filters

h.) Is the discharge continuous? Yes _____ No X If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B) I

If (P), number of days or months per year of the discharge _____ and the specific months of discharge _____;

If (I), number of days/year there is a discharge 3 days

Is the discharge temporary? Yes X No _____

If yes, approximate start date of dewatering Aug 22, 2016 approximate end date of dewatering August 24, 2016

i.) Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long. _____ lat. _____; Outfall 2: long. _____ lat. _____; Outfall 3: long. _____ lat. _____ 42 03' 10.95" 71 14' 31.48"

j.) If the source of the discharge is potable water, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water and attach any calculation sheets used to support stream flow and dilution calculations _____ cfs
(See Appendix VII for equations and additional information)

MASSACHUSETTS FACILITIES: See Section 3.4 and Appendix 1 of the General Permit for more information on Areas of Critical Environmental Concern (ACEC): k.) Does the discharge occur in an ACEC? Yes _____ No <u>X</u> _____ If yes, provide the name of the ACEC: _____

3. Contaminant Information

a)	Are any pH neutralization and/or dechlorination chemicals used in the discharge? If so, include the chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC ₅₀ in percent for aquatic organism(s)). None/NA
b)	Please report any known remediation activities or water-quality issues in the vicinity of the discharge. Groundwater sampling shows no contaminants

4. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendix IV. In addition, respond to the following questions.

a)	Which of the three eligibility criteria listed in Appendix IV, Criterion (A, B, or C) have you met? <u>A</u> _____
b)	Please attach documentation with your NOI supporting your response. Please see Appendix IV for acceptable documentation

5. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:

a)	See Screening Process in Appendix III and respond to questions regarding your site and any historic properties listed or eligible for listing on the National Register of Historic Places. Question 1: Yes <u>X</u> No _____ ; Question 2: No <u>X</u> Yes _____
b)	Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No <u>X</u> If yes, attach the results of the consultation(s).
c)	Which of the three National Historic Preservation Act eligibility criterion listed in Appendix III, Criterion (A, B, or C) have you met? <u>A</u> _____
d)	Is the project located on property of religious or cultural significance to an Indian Tribe? Yes _____ or No <u>X</u> If yes, provide that name of the Indian Tribe associated with the property. _____

6. 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 See attached

7. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the dewatering system; (2) the discharge consists solely of dewatering and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product or finished product; (4) if the discharge of dewatering subsequently mixes with other permitted wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for dewatering discharge; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) 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 Name: Colbea Shell-Branded Gasoline Station, 30 Commercial Street, Foxborough, MA

Operator signature:

Print Full Name and Title: Vice President of Operations

Date:

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

**NPDES DISCHARGE GENERAL PERMIT
NOTICE OF INTENT**

**Colbea Gasoline Station
32 Commerical Street
Foxborough, Massachusetts 02035**

Prepared for:

**COLBEA ENTERPRISES LLC
2050 PLAINFIELD PIKE
CRANSTON, RI 02921**

Prepared by:

**Tg2 Solutions, LLC
51 Fremont Street
Needham, Massachusetts**

August 4, 2016



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ATTACHMENTS

Attachment A	Laboratory Analytical Reports
Attachment B	IpaC Project Resource Search Results
Attachment C	MACRIS Project Search Results

1.0 INTRODUCTION

Tg2 Solutions, LLC prepared this National Pollutant Discharge Elimination System (NPDES) Dewatering General Permit (DGP) on behalf of Colbea Enterprises LLC (Colbea) to manage groundwater which will be dewatered and discharged into a municipal storm catch basin located at the facility at 32 Commercial Street, in Foxborough, Massachusetts. Groundwater will be generated during the installation of new gasoline underground storage tanks. During the installation, which is anticipated to occur over 3 working days, groundwater is expected to be encountered and will need to be dewatered to allow for the installation of the tanks. This facility has not previously held any dewatering permits and does not meet the definition of a “New Discharger” under 40 CFR 122.2.

Further, groundwater sampling results from this location document that there are no contaminants in groundwater at levels above laboratory detection limits in the vicinity of the tanks, based on sampling documented in a Class B-1 Response Action Outcome Statement prepared for the facility by Sovereign Consulting, Inc. of Foxborough, MA and submitted to MassDEP.

As the groundwater to be dewatered is not impacted with any contaminants, and the size of the construction activity is small (1,500 square feet), a NPDES Dewatering General Permit is appropriate for this activity.

A Site Locus Map is included as **Figure 1** and **Figure 2** provides a site plan depicting site features. **Figure 3** provides the location of the on-site catch basin and drainage for the proposed discharge. **Figure 4** provides a Waterbody Assessment and Total Maximum Daily Load (TMDL) Status for the site area. The MassDEP Bureau of Waste Site Cleanup Phase I Site Assessment Map, dated July 28, 2016, is provided as **Figure 5**.

General Facility Information is as follows:

Colbea/Shell-Branded Gasoline Station
32 Commercial Street
Foxborough, MA 02035
Latitude: 42° 03' 10.95"
Longitude: 71° 14' 31.48"
SIC Code: 5541

Owner/Operator:

Colbea Enterprises, LLC (Private Business)
2050 Plainfield Pike
Cranston, RI 02921
Tel: 401-453-0005

2.0 DISCHARGE INFORMATION

2.1 Receiving Water

The proposed discharge location for filtered groundwater is an on-site stormwater drain on the southern end of the property at 32 Commercial Street, which discharges into an un-named drainage ditch along Commercial Street. This drainage ditch drains to Robinson Brook, located west of Commercial Street. Robinson Brook discharges to Hershey Pond. Please refer to **Figures 1 through 3** for the location of the catch basin, Robinson Brook and Hershey Pond. These water bodies are all freshwater bodies. The receiving water (Robinson Brook) is classified as Class B per MassGIS datalayers.

Per MassGIS datalayers, the facility is not located within an Area of Critical Environmental Concern (ACEC).

2.2 Dewatering Activity Description

Construction activities for this project include the removal of the concrete overlying the existing tanks, removal of the tanks, and re-installation of new tanks. The construction area measures approximately 50 by 30 feet (1,500 square feet). Construction activities will not result in the disturbance or destruction of any vegetative areas, as construction activities are limited to already developed and paved property. Finally, construction areas are more than 100 feet from the nearest surface water body/wetland area.

A treatment system for dewatering activities will be installed at the site. The system will be composed of the following: one or two submersible sump pump(s) located within sub-grade sumps installed in the tank excavation, a 10,000-gallon baffled settling tank, and two bag filters piped in series. The flow rate of the system is expected to range from 1 to 5 gallons per minute (1-5pgm) with 5 gpm as the anticipated maximum flow. The component of the system with the most limited flow will be the bag filters. Personnel will be present during dewatering to monitor bag filter system pressure and will change filters as necessary. No chemical water treatment is proposed or anticipated. Effluent water will be routed through overland piping to the catch basin depicted on **Figures 2 and 3**.

There will only be one outfall for this temporary discharge. As the source of the discharge is groundwater, effluent testing/sampling will be completed per Section 4.4.5 of the NPDES Dewatering General Permit. This discharge is expected to occur during daylight working hours over a period of 3 working days. No long-term or ongoing discharges will occur. The dewatering sumps and pumps will be removed at the completion of the construction activities. The project proposed start date is August 22, 2016.

2.3 Pre-Discharge Sampling

Pre-discharge sampling was performed at an existing groundwater monitor well close to the tank field for pH, total suspended solids, oil and grease, total chlorides and RCRA-13 metals. Laboratory analytical results are provided in **Attachment A**.

2.3.1 Sample Results

Groundwater concentrations from influent sampling results at the site include:

pH – 6.1

Total Suspended Solids – 10 milligrams per liter (mg/L)

Oil & Grease - Not detected above method detection limits (MDLs)

Chlorine (Residual) – Not detected above method detection limits (MDLs)

RCRA-13 metals – All metals not detected above MDLs except for:

- Aluminum – 0.075 mg/L
- Zinc – 80 mg/L

2.3.2 Laboratory Analytical Method and Method Detection Limit Exceptions

All analytes laboratory analytical methods are acceptable and met MDL criteria for this DGP and NOI, including naturally occurring metals which are below the effluent criteria detailed in Appendix III of the Remediation General Permit (RGP).

Based on the results of the sampling, the DGP is appropriate for this project.

3.0 Endangered Species Act, National Historical Preservation Act Requirements

3.1 Endangered Species Act Requirements

Per Appendix IV of the DGP, the project coordinates were entered into the the United States Fish and Wildlife Service Information Planning and Conservation (IPaC) system, at <http://ecos.fws.gov/ipac/>. Based on the site location, none of the Endangered Species of Concern for Massachusetts listed in Appendix IV of the DGP were identified in the project area. One Threatened Species, the Northern Long-Eared Bat, was identified that may occur in the vicinity of the project area. No critical habitats were identified. Based on this information, considering the limited nature and short term duration of the discharge and the results of the IPaC review, this project meets USFWS Criterion A, No No endangered or threatened species or critical habitat are in proximity to the discharges or related activities. A copy of the search output is provided as **Attachment B**.

3.2 National Historical Preservation Act Requirements

This project is not located within or adjacent to Native tribal lands. The extent of land disturbance for this project is only the removal of existing concrete and asphalt above the existing tank system and replacement of the existing underground storage tanks. No further land disturbance is required. Discharge water will be routed to the facility's existing stormwater drainage system and no construction or modification to the existing drainage system is required.

Further, the site and the surrounding properties are not listed on local, state or National Register of Historical Properties. Listings of Historic Places within the Town of Foxborough, in the vicinity of the facility and proposed discharge area were obtained from the Massachusetts Cultural Resources Information System (MACRIS) online database at

<http://mhc-macris.net/Towns.aspx?Page=towns.asp>. No historical areas, building, objects or burial grounds were identified in the site vicinity. A copy of the search output is provided as **Attachment C**.

As such, this project meets Criteria A: This discharge does not have the potential to cause effects on historic properties.

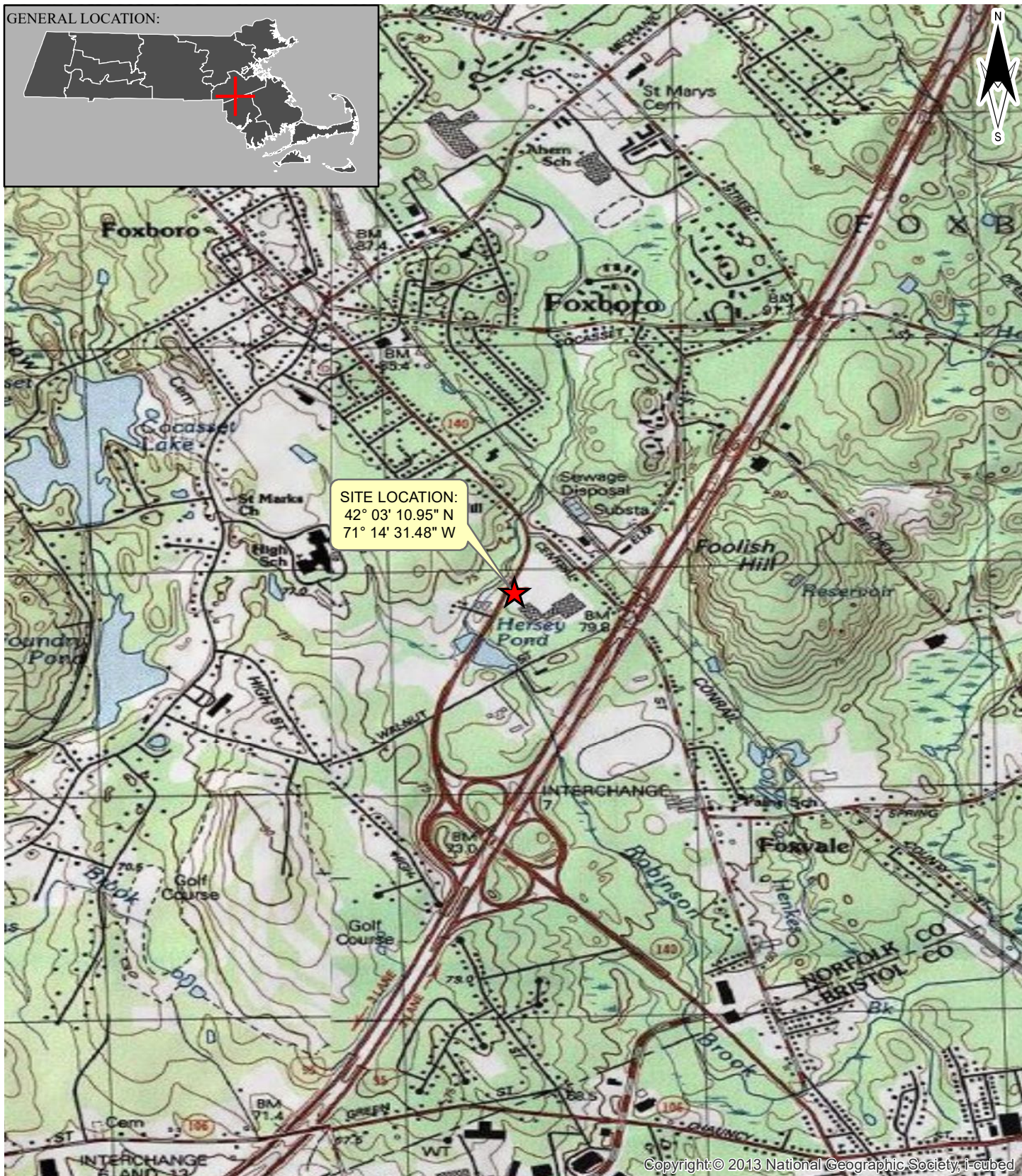
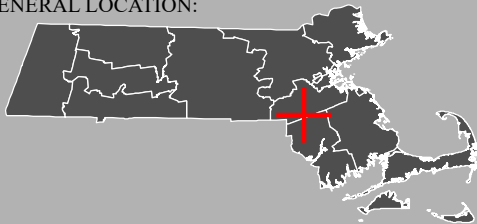
4.0 CONCLUSIONS

It is Colbea's opinion that this project meets the requirements for covered and approval for a Discharge General Permit (DGP) due to the following:

- The project size (1,500 square feet) meets the size limitations of the DGP and does not trigger requirements for a Construction General Permit (CGP).
- Receiving water for discharge dewatering for this project is classified as a Class B water body.
- Pre-project groundwater sampling results document no contaminants within the groundwater to be dewatered, and therefore this project does not trigger the requirements of the Remediation General Permit (RGP).
- This project will not result in a taking or harm of any Endangered Species listed in Appendix IV of the DGP Permit applicable in Massachusetts and meets USFWS Criterion A.
- This project will not affect any Endangered or Threatened Species critical habitats.
- This project is not located on or adjacent to any native tribal lands.
- This project will not impact any documented historical areas, building, objects or burial grounds.

FIGURES

GENERAL LOCATION:



SITE LOCATION:
42° 03' 10.95" N
71° 14' 31.48" W

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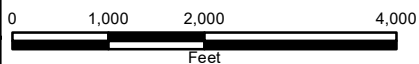
LEGEND

★ SITE LOCATION

NOTES:

- 1) NAD 83
- 2) LOCATION IS APPROXIMATE.

DATE: JULY 28, 2016



PREPARED BY:
TG2 SOLUTIONS LLC
51 FREMONT STREET
NEEDHAM HEIGHTS, MA
02494

FIGURE 1

SITE LOCUS MAP

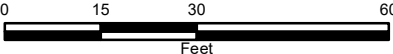
32 COMMERCIAL STREET
FOXBORO, MA



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

	CATCH BASIN		CURRENT FEATURE
	MANHOLE		FORMER FEATURE
	WATER GATE		UTILITY (AS MARKED)
	PROPERTY BOUNDARY		DRAINAGE OUTFALL



NOTES:
1) NAD 83
2) PARCEL BOUNDARIES PROVIDED BY MASS GIS - LEVEL 3 ASSESSOR'S PARCELS (2015). ALL BOUNDARIES ARE APPROXIMATE AND SHOULD NOT BE USED TO DETERMINE LEGAL OWNERSHIP.
3) ALL FEATURE LOCATIONS INCLUDING UTILITIES ARE APPROXIMATE.
4) UST = UNDERGROUND STORAGE TANK
DATE: JUNE 28, 2016 BY: ROV



51 FREMONT STREET
NEEDHAM HEIGHTS, MA
02494

FIGURE 2

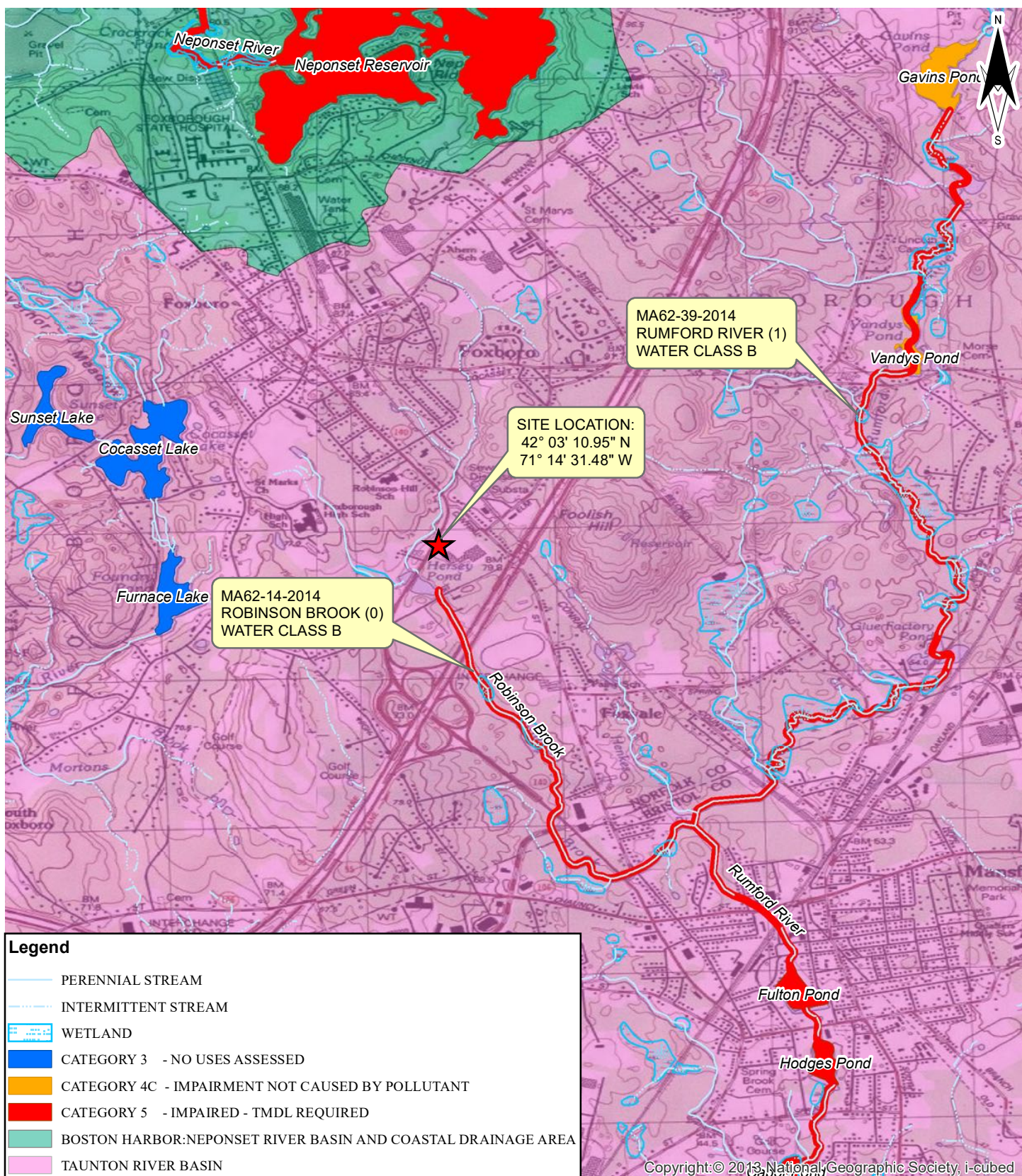
SITE PLAN

SHELL-BRANDED STATION
32 COMMERCIAL STREET
FOXBORO, MA



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend			NOTES: 1) NAD 83 2) PARCEL BOUNDARIES PROVIDED BY MASS GIS - LEVEL 3 ASSESSOR'S PARCELS (2015). ALL BOUNDARIES ARE APPROXIMATE AND SHOULD NOT BE USED TO DETERMINE LEGAL OWNERSHIP. 3) ALL FEATURE LOCATIONS INCLUDING UTILITIES ARE APPROXIMATE. 4) UST = UNDERGROUND STORAGE TANK	 51 FREMONT STREET NEEDHAM HEIGHTS, MA 02494	FIGURE 3
CATCH BASIN	CURRENT FEATURE				SITE PLAN WITH DISCHARGE LOCATION
MANHOLE	FORMER FEATURE				SHELL-BRANDED STATION 32 COMMERCIAL STREET FOXBORO, MA
WATER GATE	UTILITY (AS MARKED)				
PROPERTY BOUNDARY	DRAINAGE OUTFALL				
	DISCHARGE FLOW DIRECTION				



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DATE: JULY 29, 2016

PREPARED BY:
TG2 SOLUTIONS LLC
51 FREMONT STREET
NEEDHAM HEIGHTS, MA
02494

0 1,500 3,000 6,000
Feet

Tg SOLUTIONS

FIGURE 4

**WATERBODY ASSESSMENT
& TMDL STATUS**

32 COMMERCIAL STREET
FOXBORO, MA

MassDEP - Bureau of Waste Site Cleanup

Phase 1 Site Assessment Map: 500 feet & 0.5 Mile Radii


FIGURE 5
Site Information:

SHELL-BRANDED SERVICE STATION
32 COMMERCIAL STREET FOXBOROUGH, MA
4-000021519

NAD83 UTM Meters:

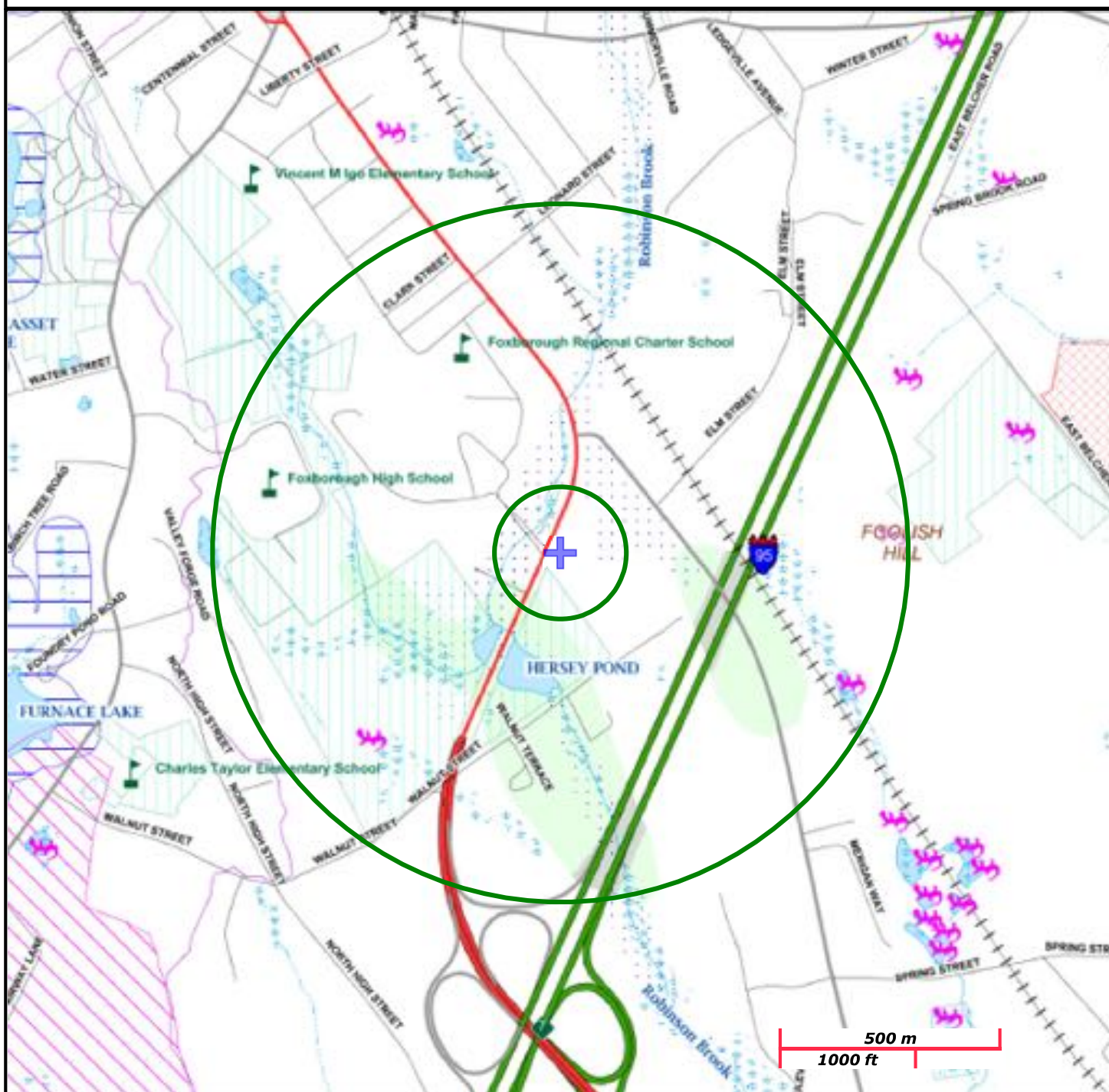
4658104mN , 314466mE (Zone: 19)
July 28, 2016

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately responsible 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, WPA, Zone A

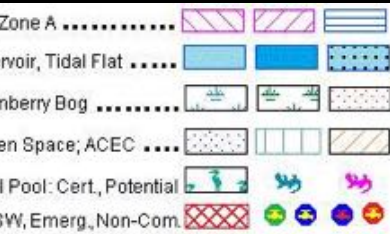
Hydrography: Open Water, PWS Reservoir, Tidal Flat

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.



ATTACHMENT A

July 26, 2016

Eric Simpson
Tg2 Solutions
51 Freemont Street
Needham, MA 02494

Project Location: Foxboro 32 - Foxboro, MA
Client Job Number:
Project Number: Foxboro 32
Laboratory Work Order Number: 16G0626

Enclosed are results of analyses for samples received by the laboratory on July 14, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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B153809	7
B153930	7
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Chain of Custody/Sample Receipt	10

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

Tg2 Solutions
51 Freemont Street
Needham, MA 02494
ATTN: Eric Simpson

REPORT DATE: 7/26/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: Foxboro 32

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16G0626

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

PROJECT LOCATION: Foxboro 32 - Foxboro, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-7	16G0626-01	Ground Water		SM21-22 2540D SM21-22 4500 H B	

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

CASE NARRATIVE SUMMARY

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

SM21-22 4500 H B

Qualifications:

H-05

Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

Analyte & Samples(s) Qualified:

pH

16G0626-01[MW-7]

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

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

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: Foxboro 32 - Foxboro, MA

Sample Description:

Work Order: 16G0626

Date Received: 7/14/2016

Field Sample #: MW-7

Sampled: 7/14/2016 10:30

Sample ID: 16G0626-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @9.1°C	6.1		pH Units	1	H-05	SM21-22 4500 H B	7/16/16	7/16/16 13:10	AMM
Total Suspended Solids	10	5.0	mg/L	1		SM21-22 2540D	7/19/16	7/19/16 14:00	LL

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

Sample Extraction Data

SM21-22 2540D

Lab Number [Field ID]	Batch	Initial [mL]	Date
16G0626-01 [MW-7]	B153930	100	07/19/16

SM21-22 4500 H B

Lab Number [Field ID]	Batch	Initial [mL]	Date
16G0626-01 [MW-7]	B153809	50.0	07/16/16

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

QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch B153809 - SM21-22 4500 H B
LCS (B153809-BS1)

Prepared & Analyzed: 07/16/16

pH	6.04		pH Units	6.00		101	98.5-110			
----	------	--	----------	------	--	-----	----------	--	--	--

Batch B153930 - SM21-22 2540D
Blank (B153930-BLK1)

Prepared & Analyzed: 07/19/16

Total Suspended Solids	ND	2.5	mg/L							
------------------------	----	-----	------	--	--	--	--	--	--	--

LCS (B153930-BS1)

Prepared & Analyzed: 07/19/16

Total Suspended Solids	184	10	mg/L	200		92.0	70.1-116			
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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
H-05	Holding time was exceeded. pH analysis should be performed immediately at time of sampling. Nominal 15 minute holding time was exceeded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SM21-22 2540D in Water	
Total Suspended Solids	CT,MA,NH,NY,RI,NC,ME,VA
SM21-22 4500 H B in Water	
pH	CT,MA,RI

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

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

WBE/DBE Certification Statement

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



Page 1 of 2

Sample Receipt Checklist

CLIENT NAME Tg² solutions RECEIVED BY: EB DATE: 7/14/16

1) Was the chain(s) of custody relinquished and signed? Yes ☒ No ☐ No COC Incl.

2) Does the chain agree with the samples? Yes ☒ No ☐

If not, explain:

3) Are all the samples in good condition? Yes ☒ No ☐

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes ☒ No ☐ N/A ☐

Temperature °C by Temp blank Temperature °C by Temp gun 3.1

5) Are there Dissolved samples for the lab to filter? Yes ☐ No ☒

Who was notified Date Time

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ☐ No ☒

Who was notified Date Time

7) Location where samples are stored:

Log In

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature:

8) Do all samples have the proper Acid pH: Yes ☐ No ☐ N/A ☒

9) Do all samples have the proper Base pH: Yes ☐ No ☐ N/A ☒

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ☐ N/A ☒

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	<u>2</u>	16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Culture / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl # Methanol

Doc# 277 # Bisulfate # DI Water

Rev. 4 August 2013 # Thiosulfate Unpreserved

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	N/A	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	3.1 with H gun
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	F NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	N/A	
21) Samples do not require splitting or compositing.	T	

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: ER

Date/Time:

Date/Time:

7/14/16
19 39

August 3, 2016

Eric Simpson
Tg2 Solutions
51 Freemont Street
Needham, MA 02494

Project Location: Foxboro 32
Client Job Number:
Project Number: Foxboro 32
Laboratory Work Order Number: 16G1360

Enclosed are results of analyses for samples received by the laboratory on July 29, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a long horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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Tg2 Solutions
51 Freemont Street
Needham, MA 02494
ATTN: Eric Simpson

REPORT DATE: 8/3/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: Foxboro 32

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16G1360

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

PROJECT LOCATION: Foxboro 32

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-7	16G1360-01	Ground Water		EPA 1664B SM21-22 2340C SM21-22 4500 CL G SW-846 6010C-D SW-846 6020A-B SW-846 7196A SW-846 7470A	

CASE NARRATIVE SUMMARY

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

EPA 1664B**Qualifications:****SM-01**

Sample container does not satisfy method specifications.

Analyte & Samples(s) Qualified:**Oil & Grease (HEM)**

16G1360-01[MW-7]

SW-846 6020A-B**Qualifications:****MS-07**

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:**Silver**

16G1360-01[MW-7], B154902-MS1

SW-846 6010C/D SW-846 6020A/B

For NC, Metals methods SW-846 6010D and SW-846 6020B are followed, and for all other states methods SW-846 6010C and SW-846 6020A are followed.

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

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



Lisa A. Worthington
Project Manager

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

Project Location: Foxboro 32

Sample Description:

Work Order: 16G1360

Date Received: 7/29/2016

Field Sample #: MW-7

Sampled: 7/29/2016 10:30

Sample ID: 16G1360-01

Sample Matrix: Ground Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aluminum	0.074	0.050	mg/L	1		SW-846 6010C-D	8/1/16	8/3/16 11:28	JK
Antimony	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Arsenic	ND	2.0	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Cadmium	ND	2.5	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Chromium	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Copper	ND	25	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Iron	ND	0.050	mg/L	1		SW-846 6010C-D	8/1/16	8/3/16 11:28	JK
Lead	ND	5.0	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Mercury	ND	0.00010	mg/L	1		SW-846 7470A	8/1/16	8/2/16 11:32	SHN
Nickel	ND	25	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Selenium	ND	25	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Silver	ND	2.5	µg/L	5	MS-07	SW-846 6020A-B	8/1/16	8/3/16 4:40	AME
Zinc	80	50	µg/L	5		SW-846 6020A-B	8/1/16	8/3/16 4:40	AME

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Project Location: Foxboro 32

Sample Description:

Work Order: 16G1360

Date Received: 7/29/2016

Field Sample #: MW-7

Sampled: 7/29/2016 10:30

Sample ID: 16G1360-01

Sample Matrix: Ground Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chlorine, Residual	ND	0.020	mg/L	1		SM21-22 4500 CL G	7/29/16	7/29/16 21:40	AMM
Hardness	4.0	2.0	mg/L	1		SM21-22 2340C	8/1/16	8/1/16 13:10	DJM
Hexavalent Chromium	ND	0.0040	mg/L	1		SW-846 7196A	7/29/16	7/29/16 22:15	AMM
Oil & Grease (HEM)	ND	2.3	mg/L	1	SM-01	EPA 1664B	8/2/16	8/2/16 9:45	LL

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Sample Extraction Data**EPA 1664B**

Lab Number [Field ID]	Batch	Initial [mL]	Date	
16G1360-01 [MW-7]	B155009	600	08/02/16	

SM21-22 2340C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154956	50.0	50.0	08/01/16

SM21-22 4500 CL G

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154840	100	100	07/29/16

Prep Method: SW-846 3005A-SW-846 6010C-D

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154927	50.0	50.0	08/01/16

Prep Method: SW-846 3005A-SW-846 6020A-B

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154902	50.0	50.0	08/01/16

SW-846 7196A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154841	50.0	50.0	07/29/16

Prep Method: SW-846 7470A Prep-SW-846 7470A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1360-01 [MW-7]	B154895	6.00	6.00	08/01/16

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QUALITY CONTROL
Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B154895 - SW-846 7470A Prep										
Blank (B154895-BLK1)				Prepared: 08/01/16 Analyzed: 08/02/16						
Mercury	ND	0.00010	mg/L							
LCS (B154895-BS1)				Prepared: 08/01/16 Analyzed: 08/02/16						
Mercury	0.00192	0.00010	mg/L	0.00200		96.1	80-120			
LCS Dup (B154895-BSD1)				Prepared: 08/01/16 Analyzed: 08/02/16						
Mercury	0.00210	0.00010	mg/L	0.00200		105	80-120	8.77	20	
Batch B154902 - SW-846 3005A										
Blank (B154902-BLK1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Antimony	ND	5.0	µg/L							
Arsenic	ND	2.0	µg/L							
Cadmium	ND	2.5	µg/L							
Chromium	ND	5.0	µg/L							
Copper	ND	25	µg/L							
Lead	ND	5.0	µg/L							
Nickel	ND	25	µg/L							
Selenium	ND	25	µg/L							
Silver	ND	2.5	µg/L							
Zinc	ND	50	µg/L							
LCS (B154902-BS1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Antimony	548	10	µg/L	500		110	80-120			
Arsenic	521	4.0	µg/L	500		104	80-120			
Cadmium	532	5.0	µg/L	500		106	80-120			
Chromium	526	10	µg/L	500		105	80-120			
Copper	512	50	µg/L	500		102	80-120			
Lead	529	10	µg/L	500		106	80-120			
Nickel	518	50	µg/L	500		104	80-120			
Selenium	493	50	µg/L	500		98.6	80-120			
Silver	518	5.0	µg/L	500		104	80-120			
Zinc	522	100	µg/L	500		104	80-120			
LCS Dup (B154902-BSD1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Antimony	520	10	µg/L	500		104	80-120	5.17	20	
Arsenic	508	4.0	µg/L	500		102	80-120	2.52	20	
Cadmium	516	5.0	µg/L	500		103	80-120	3.05	20	
Chromium	515	10	µg/L	500		103	80-120	2.19	20	
Copper	502	50	µg/L	500		100	80-120	2.13	20	
Lead	521	10	µg/L	500		104	80-120	1.66	20	
Nickel	507	50	µg/L	500		101	80-120	2.15	20	
Selenium	506	50	µg/L	500		101	80-120	2.54	20	
Silver	496	5.0	µg/L	500		99.2	80-120	4.32	20	
Zinc	521	100	µg/L	500		104	80-120	0.115	20	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B154902 - SW-846 3005A

Duplicate (B154902-DUP1)		Source: 16G1360-01		Prepared: 08/01/16 Analyzed: 08/03/16						
Antimony	ND	5.0	µg/L		ND			NC	20	
Arsenic	ND	2.0	µg/L		ND			NC	20	
Cadmium	ND	2.5	µg/L		ND			NC	20	
Chromium	ND	5.0	µg/L		ND			NC	20	
Copper	ND	25	µg/L		ND			NC	20	
Lead	ND	5.0	µg/L		ND			NC	20	
Nickel	ND	25	µg/L		ND			NC	20	
Selenium	ND	25	µg/L		ND			NC	20	
Silver	ND	2.5	µg/L		ND			NC	20	
Zinc	ND	50	µg/L		80.4			NC	20	

Matrix Spike (B154902-MS1)		Source: 16G1360-01		Prepared: 08/01/16 Analyzed: 08/03/16						
Antimony	532	10	µg/L	500	ND	106	75-125			
Arsenic	519	4.0	µg/L	500	ND	104	75-125			
Cadmium	497	5.0	µg/L	500	1.10	99.2	75-125			
Chromium	492	10	µg/L	500	ND	98.3	75-125			
Copper	454	50	µg/L	500	2.55	90.8	75-125			
Lead	521	10	µg/L	500	ND	104	75-125			
Nickel	467	50	µg/L	500	9.60	91.4	75-125			
Selenium	516	50	µg/L	500	ND	103	75-125			
Silver	365	5.0	µg/L	500	ND	72.9	* 75-125			MS-07
Zinc	507	100	µg/L	500	80.4	85.3	75-125			

Batch B154927 - SW-846 3005A

Blank (B154927-BLK1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Aluminum	ND	0.050	mg/L							
Iron	ND	0.050	mg/L							

LCS (B154927-BS1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Aluminum	0.554	0.050	mg/L	0.500		111	80-120			
Iron	0.516	0.050	mg/L	0.500		103	80-120			

LCS Dup (B154927-BSD1)				Prepared: 08/01/16 Analyzed: 08/03/16						
Aluminum	0.563	0.050	mg/L	0.500		113	80-120	1.53	20	
Iron	0.515	0.050	mg/L	0.500		103	80-120	0.0959	20	

Duplicate (B154927-DUP1)		Source: 16G1360-01		Prepared: 08/01/16 Analyzed: 08/03/16						
Aluminum	0.0702	0.050	mg/L		0.0740			5.32	20	
Iron	ND	0.050	mg/L		ND			NC	20	

Matrix Spike (B154927-MS1)		Source: 16G1360-01		Prepared: 08/01/16 Analyzed: 08/03/16						
Aluminum	0.585	0.050	mg/L	0.500	0.0740	102	75-125			
Iron	0.510	0.050	mg/L	0.500	0.0181	98.3	75-125			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B154840 - SM21-22 4500 CL G										
Blank (B154840-BLK1)	Prepared & Analyzed: 07/29/16									
Chlorine, Residual	ND	0.020	mg/L							
LCS (B154840-BS1)	Prepared & Analyzed: 07/29/16									
Chlorine, Residual	1.5	0.020	mg/L	1.20		124	88.1-128			
LCS Dup (B154840-BSD1)	Prepared & Analyzed: 07/29/16									
Chlorine, Residual	1.5	0.020	mg/L	1.20		125	88.1-128	0.648	5	
Duplicate (B154840-DUP1)	Source: 16G1360-01 Prepared & Analyzed: 07/29/16									
Chlorine, Residual	ND	0.020	mg/L		ND			NC	47.3	
Matrix Spike (B154840-MS1)	Source: 16G1360-01 Prepared & Analyzed: 07/29/16									
Chlorine, Residual	0.93	0.020	mg/L	1.00	ND	92.5	10-170			
Batch B154841 - SW-846 7196A										
Blank (B154841-BLK1)	Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	ND	0.0040	mg/L							
LCS (B154841-BS1)	Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	0.10	0.0040	mg/L	0.100		101	80-120			
LCS Dup (B154841-BSD1)	Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	0.099	0.0040	mg/L	0.100		99.4	80-120	1.21	20	
Duplicate (B154841-DUP1)	Source: 16G1360-01 Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	ND	0.0040	mg/L		ND			NC	20	
Matrix Spike (B154841-MS1)	Source: 16G1360-01 Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	0.10	0.0040	mg/L	0.100	ND	102	75-125			
Matrix Spike Dup (B154841-MSD1)	Source: 16G1360-01 Prepared & Analyzed: 07/29/16									
Hexavalent Chromium	0.10	0.0040	mg/L	0.100	ND	102	75-125	0.00	20	
Batch B154956 - SM21-22 2340C										
Blank (B154956-BLK1)	Prepared & Analyzed: 08/01/16									
Hardness	ND	2.0	mg/L							
LCS (B154956-BS1)	Prepared & Analyzed: 08/01/16									
Hardness	62	2.0	mg/L	62.2		99.7	96-110			

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QUALITY CONTROL
Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B154956 - SM21-22 2340C										
LCS Dup (B154956-BSD1)				Prepared & Analyzed: 08/01/16						
Hardness	62	2.0	mg/L	62.2		99.7	96-110	0.00	5	
Batch B155009 - EPA 1664B										
Blank (B155009-BLK1)				Prepared & Analyzed: 08/02/16						
Oil & Grease (HEM)	ND	1.4	mg/L							
LCS (B155009-BS1)				Prepared & Analyzed: 08/02/16						
Oil & Grease (HEM)	19		mg/L	20.0		95.0	78-114			

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

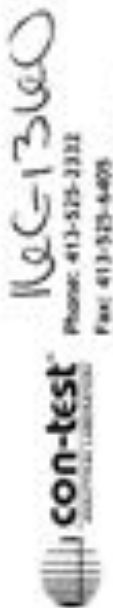
*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possibility of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
SM-01	Sample container does not satisfy method specifications.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 1664B in Water</i>	
Oil & Grease (HEM)	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-22 2340C in Water</i>	
Hardness	CT,MA,NH,NY,RI,NC,ME,VA
<i>SM21-22 4500 CL G in Water</i>	
Chlorine, Residual	CT,MA,RI,ME
<i>SW-846 6010C-D in Water</i>	
Aluminum	CT,NH,NY,ME,VA,NC
Iron	CT,NH,NY,ME,VA,NC
<i>SW-846 6020A-B in Water</i>	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,RI,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Copper	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
<i>SW-846 7196A in Water</i>	
Hexavalent Chromium	CT,NH,NY,NC,ME,VA
<i>SW-846 7470A in Water</i>	
Mercury	CT,NH,NY,NC,ME,VA

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

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



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https://www.contestlabs.com

CHAIN OF CUSTODY RECEIPT (New York)

39 Spruce Street
East Longmeadow, MA 01218

Page 1 of 1

Company Name: T2 Solutions Address: Silvermont St, Shelburne, MA Phone: 508-298-8686 Project Name: Fodor's 22 Project Location: 37-Commonwealth St. Project Number: Project Manager: Eric Simpson Can Test Site: Invoice Recipient: Eric Simpson Sampled By: Eric Simpson		Requested Turnaround Time: ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day Enhanced Data Package Required: ☒ Yes Format: PDF ☒ EXCEL ☐ Other: Enhanced Data Package Required: ☒ Yes Email To: <u>esimpson@t2solutions.com</u> Fax To:		Analysis Requested: Oil + Grease TPC + Wastewater ZCPA - 3 Metals		# of Containers: Preservation Code Container Code Disinfectant Method: ☐ Field Filtered ☐ Lab to Filter Disinfectant Method: ☐ Field Filtered ☐ Lab to Filter	
Can Test Work Order: 01 mw-7		Beginning Date/Time: 7/19/16		Ending Date/Time: 7/19/16		Matrix Codes: GW = Ground Water WW = Wastewater DW = Drinking Water A = Air S = Soil/Solid SL = Sludge O = Other (please define)	
Preservation Codes: I = Ice M = HCL M = Methanol M = Nitric Acid S = Sulfuric Acid X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)		Preservation Codes: I = Ice M = HCL M = Methanol M = Nitric Acid S = Sulfuric Acid X = Sodium Hydroxide T = Sodium Thiosulfate O = Other (please define)		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)	

Please use the following codes to indicate possible sample concentration within the Code Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Program & Regulatory Information: ☐ AWQ STDs ☐ NYC Sewer Discharge ☐ Part 160 GW (Landfill) ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NY Part 375		Enhanced Data Package: ☐ NY TOGS ☐ NY CP-51		Deliverables: ☐ Enhanced Data Package ☐ NYSDC EQuIS EDO ☐ EQuIS (Standard) EDO ☐ NY Regulatory EDO ☐ NY Regs HHS-Only EDO	
Signature: [Signature] Date/Time: 7/19/16 18:00		Signature: [Signature] Date/Time: 7/19/16 18:00		Signature: [Signature] Date/Time: 7/19/16 18:00	
Signature: [Signature] Date/Time: 7/19/16 18:00		Signature: [Signature] Date/Time: 7/19/16 18:00		Signature: [Signature] Date/Time: 7/19/16 18:00	

Comments: As per attached, no test results.

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

APPENDIX VIII
TEST METHODS AND MINIMUM LEVELS¹ FOR GROUNDWATER SOURCES

Parameters	CAS Numbers	Minimum Levels (ug/l) and Test Methods			Notes Digestion Methods No.
		ICP/AES: ² Methods 200.7, 3010A/6010C	ICP/MS: ² 200.8, 310A/6020A	GF/AAS: ² Method 200.9, 7010	
1. Antimony	7440360	10 ug/L	0.5 ug/L	3 ug/l	200
2. Arsenic	7440382	20 ug/l	1.0 ug/L	3 ug/l	206.5
3. Cadmium	7440439	10 ug/l	0.2 ug/L	0.5 ug/l	200
4. Chromium Total	7440471	15ug/l	1.0 ug/L	1 ug/l	200
5. Chromium VI	18540299				
6. Copper	7440508	15 ug/l	0.5 ug/L	3 ug/l	200
7. Lead	7439921	20 ug/l	0.2 ug/L	3 ug/l	200
8. Mercury	7439976				
9. Nickel	7440020	20 ug/l	0.2 ug/L	5 ug/l	200
10. Selenium	7782492	20 ug/l	2 ug/L	5 ug/l	200
11. Silver	7742124	10 ug/l	0.2 ug/L	1 ug/l	200
12. Zinc	7440666	15 ug/l	5 ug/L		200
13. Iron	7439896	20 ug/L	50 ug/L		200
14. Fluorides					Approved Part 136 Methods ¹
15. Chloride	16887006				Approved Part 136 Methods ¹
16. pH					Approved Part 136 Methods ¹

1. 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.
2. Inductively Couple Plasma/ Atomic (optical) emissions Spectrometry
3. Inductively Couple Plasma/Mass Spectrometry
4. Graphite Furnace Atomic Absorption
5. Standard Method

39 Spruce St.
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Sample Receipt Checklist

CLIENT NAME Tg 2 Solutions RECEIVED BY: CANC DATE: 7/29/16

1) Was the chain(s) of custody relinquished and signed? Yes ☒ No ☐ No COC Incl.

2) Does the chain agree with the samples? Yes ☒ No ☐

If not, explain:

3) Are all the samples in good condition? Yes ☒ No ☐

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? Yes ☒ No ☐ N/A ☐

Temperature °C by Temp blank Temperature °C by Temp gun 2.6°C

5) Are there Dissolved samples for the lab to filter? Yes ☐ No ☒

Who was notified Date Time

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ☒ No ☐

Who was notified Amber Date 7/29/16 Time 20:00

7) Location where samples are stored:

Log in

Permission to subcontract samples? Yes ☐ No ☐

(Walk-in clients only) if not already approved

Client Signature:

8) Do all samples have the proper Acid pH: Yes ☒ No ☐ N/A ☐

9) Do all samples have the proper Base pH: Yes ☐ No ☐ N/A ☒

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ☐ N/A ☒

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic	<u>2</u>	Plastic Bag / Ziploc	
250 mL plastic	<u>2</u>	SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl # Methanol

Dec# 277 # Bisulfate # DI Water

Rev. 4 August 2013 # Thiosulfate Unpreserved

Time and Date Froben:

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	2.6°C
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements?

Date/Time:

Doc #277 Rev. 4 August 2013

Log-In Technician Initials:

Date/Time:

CME

7/21/16
1955

ATTACHMENT B

This project potentially impacts **23 resources** managed or regulated by the U.S. Fish & Wildlife Service.

Endangered species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Northern Long-eared Bat *Myotis septentrionalis*
Threatened (A species likely to become endangered within the foreseeable future throughout all or a significant portion of its range)

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS IN THIS LOCATION

Migratory birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*
On Land Season: Breeding

American Oystercatcher *Haematopus palliatus*
On Land Season: Breeding

Bald Eagle *Haliaeetus leucocephalus*
On Land Season: Year-round

Black-billed Cuckoo *Coccyzus erythrophthalmus*
On Land Season: Breeding

Blue-winged Warbler *Vermivora pinus*
On Land Season: Breeding

Canada Warbler *Wilsonia canadensis*
On Land Season: Breeding

Fox Sparrow *Passerella iliaca*
On Land Season: Wintering

Hudsonian Godwit *Limosa haemastica*
At Sea Season: Migrating

Least Bittern *Ixobrychus exilis*
On Land Season: Breeding

Olive-sided Flycatcher *Contopus cooperi*
On Land Season: Breeding

Peregrine Falcon *Falco peregrinus*
On Land Season: Wintering

Pied-billed Grebe *Podilymbus podiceps*
On Land Season: Year-round

Prairie Warbler *Dendroica discolor*
On Land Season: Breeding

Purple Sandpiper *Calidris maritima*
On Land Season: Wintering

Saltmarsh Sparrow *Ammodramus caudacutus*
On Land Season: Breeding

Seaside Sparrow *Ammodramus maritimus*
On Land Season: Breeding

Short-eared Owl *Asio flammeus*
On Land Season: Wintering

Snowy Egret *Egretta thula*
On Land Season: Breeding

Upland Sandpiper *Bartramia longicauda*

On Land Season: Breeding

Willow Flycatcher *Empidonax traillii*

On Land Season: Breeding

Wood Thrush *Hylocichla mustelina*

On Land Season: Breeding

Worm Eating Warbler *Helmitheros vermivorum*

On Land Season: Breeding

Wildlife refuges and fish hatcheries

THERE ARE NO REFUGES OR FISH HATCHERIES IN THIS LOCATION

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

THERE ARE NO WETLANDS IN THIS LOCATION

ATTACHMENT C

Massachusetts Cultural Resource Information System

MACRIS

MACRIS Search Results

Search Criteria: Town(s): Foxborough; Street Name: Commercial; Resource Type(s): Area, Building, Burial Ground, Object, Structure;

Inv. No.	Property Name	Street	Town	Year
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