



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**Region 1**

**5 Post Office Square, Suite 100**

**BOSTON, MA 02109-3912**

**CERTIFIED MAIL RETURN RECEIPT REQUESTED**

**JUN 13 2011**

John O'Brien, President  
Northeast Tank & Environmental Services, Inc.  
1150 Turnpike Street  
Stoughton, MA 02072

Re: Authorization to discharge under the Remediation General Permit (RGP) –  
MAG910000. Wateridge Condominium Association site located 223-235 Coolidge  
Avenue, Watertown, MA 02472, Middlesex County; Authorization # MAG910486

Dear Mr. O'Brien:

Based on the review of a Notice of Intent (NOI) submitted on behalf of the owner by your firm Northeast Tank & Environmental Services, Inc., 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>.

The checklist includes parameters for which your laboratory reports indicated there was insufficient sensitivity to detect these parameters at the minimum levels established in Appendix VI of the RGP.

Also, please note that the metals included on the checklist are dilution dependent pollutants and subject to limitations based on a dilution factor range (DFR). Because we did not receive any information in your application about dilution of the Charles River at the point of discharge, EPA determined that the DFR for each parameter is in the one and five (1-5) range. (See the RGP Appendix IV for Massachusetts facilities) Therefore, the

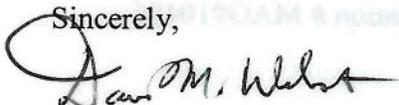
limits for nickel of 29ug/L, zinc of 66.6ug/L and iron of 1,000ug/L, are required to achieve permit compliance at your site.

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 June 30, 2011. 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,



David M. Webster, Chief  
Industrial Permits Branch

Enclosure

cc: Kathleen Keohane, MassDEP

**2010 Remediation General Permit  
Summary of Monitoring Parameters<sup>[1]</sup>**

<b>NPDES Authorization Number:</b>	<b>MAG910486</b>
Authorization Issued:	June, 2011
Facility/Site Name:	Wateridge Condominium Association
Facility/Site Address:	223-235 Coolidge Avenue, Watertown, MA 02472, Middlesex County
	Email address of owner:edbenner1@verizon.net
Legal Name of Operator:	Northeast Tank & Environmental Services, Inc.,
Operator contact name, title, and Address:	John O'Brien, President 1150 Turnpike Street, Stoughton, MA 02072
	Email: northeasttanks@verizon.net
Estimated Date of Completion:	June 30, 2011
Category and Sub-Category:	Category I. Petroleum Related Site Remediation. Sub-category B. Fuel Oils and Other Oils Sites (Including non Residential Sites)
Receiving Water:	Charles River

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

	<b><u>Parameter</u></b>	<b><u>Effluent Limit/Method#/ML</u></b> (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#60.2/ML5ug/L
	2. Total Residual Chlorine (TRC) <sup>1</sup>	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) <sup>2, 3</sup>	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) <sup>4</sup>	100 ug/L/ Me#8260C/ ML 2ug/L

	<b>Parameter</b>	<b>Effluent Limit/Method#/ML</b> (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 <sup>5</sup>	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) <sup>6</sup>	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 <sup>7</sup>	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L

<u>Parameter</u>	<u>Effluent Limit/Method#/ML</u> (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 <sup>7</sup>	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
c. Benzo(b)Fluoranthene <sup>7</sup>	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
d. Benzo(k)Fluoranthene <sup>7</sup>	0.0038 ug/L /Me#8270D/ ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
e. Chrysene <sup>7</sup>	0.0038 ug/L /Me#8270D/ML 5ug/L, Me#610/ML 5ug/L& Me#625/ML 5ug/L
f. Dibenzo(a,h)anthracene <sup>7</sup>	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 <sup>7</sup>	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 <sup>5</sup>	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) <sup>8,9</sup>	0.000064 ug/L/Me# 608/ ML 0.5 ug/L
✓ 38. Chloride	Monitor only/Me# 300.0/ ML 0.1ug/L

<u>Metal parameter</u>	<u>Total Recoverable Metal Limit @ H<sup>10</sup> = 50 mg/l CaCO3 for discharges in Massachusetts (ug/l)</u> <small>11/12</small>		<u>Minimum level=ML</u>
	<u>Freshwater</u>	<u>Saltwater</u>	
39. Antimony	5.6/ML 10		
40. Arsenic **	10/ML20	36/ML 20	

	<b>Metal parameter</b>	<b>Total Recoverable Metal Limit @ H<sup>10</sup> = 50 mg/l CaCO<sub>3</sub> for discharges in Massachusetts (ug/l) 11/12</b>		<b>Minimum level=ML</b>
		<b>Freshwater</b>	<b>Saltwater</b>	
	41. Cadmium **	0.2/ML10	8.9/ML 10	
	42. Chromium III (trivalent) **	48.8/ML15	100/ML 15	
	43. Chromium VI (hexavalent) **	11.4/ML10	50.3/ML 10	
	44. Copper **	5.2/ML15	3.7/ML 15	
	45. Lead **	1.3/ML20	8.5/ML 20	
	46. Mercury **	0.9/ML0.2	1.1/ML 0.2	
✓	47. Nickel **	29/ML20	8.2/ML 20	
	48. Selenium **	5/ML20	71/ML 20	
	49. Silver	1.2/ML10	2.2/ML 10	
✓	50. Zinc **	66.6/ML15	85.6/ML 15	
✓	51. Iron	1,000/ML 20		

	<b>Other Parameters</b>	<b>Limit</b>
✓	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 <sup>13</sup>
	55. pH Range for Class SA & Class SB Waters in MA	6.5-8.3; 1/Month/Grab <sup>13</sup>
	56. pH Range for Class B Waters in NH	6.5-8; 1/Month/Grab <sup>13</sup>
	57. Daily maximum temperature - Warm water fisheries	83°F; 1/Month/Grab <sup>14</sup>
	58. Daily maximum temperature - Cold water fisheries	68°F; 1/Month/Grab <sup>14</sup>
	59. Maximum Change in Temperature in MA - Any Class A water body	1.5°F; 1/Month/Grab <sup>14</sup>
	60. Maximum Change in Temperature in MA - Any Class B water body- Warm Water	5°F; 1/Month/Grab <sup>14</sup>
	61. Maximum Change in Temperature in MA - Any Class B water body - Cold water and Lakes/Ponds	3°F; 1/Month/Grab <sup>14</sup>
	62. Maximum Change in Temperature in MA - Any Class SA water body - Coastal	1.5°F; 1/Month/Grab <sup>14</sup>
	63. Maximum Change in Temperature in MA - Any Class SB water body - July to September	1.5°F; 1/Month/Grab <sup>14</sup>
	64. Maximum Change in Temperature in MA -Any Class SB water body - October to June	4°F; 1/Month/Grab <sup>14</sup>

Footnotes:

<sup>1</sup> 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).

<sup>2</sup> 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.

<sup>3</sup> 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).

<sup>4</sup> BTEX = sum of Benzene, Toluene, Ethylbenzene, and total Xylenes.

<sup>5</sup> 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.

<sup>6</sup> 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.*

<sup>7</sup> 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.

<sup>8</sup> 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.

<sup>9</sup>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).

<sup>10</sup> Hardness. Cadmium, Chromium III, Copper, Lead, Nickel, Silver, and Zinc are Hardness Dependent.

<sup>11</sup> 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.

<sup>12</sup> 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).

<sup>13</sup> pH sampling for compliance with permit limits may be performed using field methods as provided for in EPA test Method 150.1.

<sup>14</sup> Temperature sampling per Method 170.1

•  
• Northeast Tank & Environmental Services Inc.  
• 1150 Turnpike Street  
• Stoughton, MA. 02072-1121  
•

(781) 297-0900  
(781) 297-0930 Fax  
northeasttanks@verizon.net

# Facsimile Transmittal

To: U.S. Environmental Protection Agency

Fax: (617) 918-0505

Phone:

From: John O'Brien

Date: May 20, 2011

RE: ATTN: Remediation General Permit NOI Processing

Pages: 20

Urgent

For Review

Please Comment

Please Reply

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**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: Wateridge Condominium Associatio		Facility/site mailing address:			
Location of facility/site:		Facility SIC code(s):	Street:		
longitude: 71.1443 W		65310202	225-231 Coolidge Avenue		
latitude: 42.3663 N					
b) Name of facility/site owner:		Town: watertown			
Email address of facility/site owner:		State:	Zip:	County:	
edbenner1@verizon.net		MA	02472	Middlesex	
Telephone no. of facility/site owner: (617) 354-6480		Owner is (check one): 1. Federal <input type="radio"/> 2. State/Tribal <input type="radio"/>			
Fax no. of facility/site owner:		3. Private <input type="radio"/> 4. Other <input checked="" type="radio"/> if so, describe:			
Address of owner (if different from site):		condominium association			
Street:					
Town:		State:	Zip:	County:	
c) Legal name of operator:		Operator telephone no: (781) 297-0900			
Northeast Tank & Environmental Services, Inc.		Operator fax no.: (781) 297-0930	Operator email: northeasttanks@verizon.net		
Operator contact name and title: John O'Brien - President					
Address of operator (if different from owner):		Street: 1150 Turnpike Street			
Town: Stoughton	State: MA	Zip: 02072	County: Norfolk		

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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:   
 2. permit or license # assigned:   
 3. state agency contact information: name, location, and telephone number:

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:   
 4. Individual NPDES permit? Y  N ,  
 if Y, number:   
 5. any other water quality related individual or general permit? Y  N , if Y, number:

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 <input type="checkbox"/> B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) <input checked="" type="checkbox"/> C. Petroleum Sites with Additional Contamination <input type="checkbox"/>
II - Non Petroleum Site Remediation	A. Volatile Organic Compound (VOC) Only Sites <input type="checkbox"/> B. VOC Sites with Additional Contamination <input type="checkbox"/> C. Primarily Heavy Metal Sites <input type="checkbox"/>
III - Contaminated Construction Dewatering	A. General Urban Fill Sites <input type="checkbox"/> B. Known Contaminated Sites <input type="checkbox"/>

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IV - Miscellaneous Related Discharges	A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites <input type="checkbox"/> B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites <input type="checkbox"/> C. Hydrostatic Testing of Pipelines and Tanks <input type="checkbox"/> D. Long-Term Remediation of Contaminated Sumps and Dikes <input type="checkbox"/> E. Short-term Contaminated Dredging Drain Back Waters (if not covered by 401/404 permit) <input type="checkbox"/>
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**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:	
b) Provide the following information about each discharge:	
1) Number of discharge points: <input type="text" value="1"/>	2) What is the <b>maximum</b> and <b>average flow rate</b> of discharge (in cubic feet per second, ft <sup>3</sup> /s)? Max. flow <input type="text" value="30 gpm"/> Is maximum flow a <b>design value</b> ? Y <input type="radio"/> N <input checked="" type="radio"/> Average flow (include units) <input type="text"/> Is average flow a <b>design value</b> or estimate? <input type="text"/>
3) Latitude and longitude of each discharge within 100 feet:	
pt.1: lat <input type="text"/> long <input type="text"/>	pt.2: lat <input type="text"/> long <input type="text"/>
pt.3: lat <input type="text"/> long <input type="text"/>	pt.4: lat <input type="text"/> long <input type="text"/>
pt.5: lat <input type="text"/> long <input type="text"/>	pt.6: lat <input type="text"/> long <input type="text"/>
pt.7: lat <input type="text"/> long <input type="text"/>	pt.8: lat <input type="text"/> long <input type="text"/>
etc.	
4) If hydrostatic testing, total volume of the discharge (gals) <input type="text" value="50000"/>	5) Is the discharge intermittent <input checked="" type="radio"/> or seasonal <input type="radio"/> ? Is discharge ongoing? Y <input type="radio"/> N <input checked="" type="radio"/>
c) Expected dates of discharge (mm/dd/yy): start <input type="text" value="Jun 6, 2011"/> end <input type="text" value="Jun 30, 2011"/>	
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) <input type="text"/>	

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**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.

<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
1. Total Suspended Solids (TSS)		<input type="checkbox"/>	<input type="checkbox"/>								
2. Total Residual Chlorine (TRC)		<input type="checkbox"/>	<input type="checkbox"/>								
3. Total Petroleum Hydrocarbons (TPH)		<input type="checkbox"/>	<input type="checkbox"/>								
4. Cyanide (CN)	57125	<input type="checkbox"/>	<input type="checkbox"/>								
5. Benzene (B)	71432	<input type="checkbox"/>	<input type="checkbox"/>								
6. Toluene (T)	108883	<input type="checkbox"/>	<input type="checkbox"/>								
7. Ethylbenzene (E)	100414	<input type="checkbox"/>	<input type="checkbox"/>								
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	<input type="checkbox"/>	<input type="checkbox"/>								
9. Total BTEX <sup>2</sup>	n/a	<input type="checkbox"/>	<input type="checkbox"/>								
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) <sup>3</sup>	106934	<input type="checkbox"/>	<input type="checkbox"/>								
11. Methyl-tert-Butyl Ether (MtBE)	1634044	<input type="checkbox"/>	<input type="checkbox"/>								
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650	<input type="checkbox"/>	<input type="checkbox"/>								

\* 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.

<sup>2</sup> BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

<sup>3</sup> EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

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

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<u>Parameter *</u>	<u>CAS Number</u>	<u>Believed Absent</u>	<u>Believed Present</u>	<u># of Samples</u>	<u>Sample Type (e.g., grab)</u>	<u>Analytical Method Used (method #)</u>	<u>Minimum Level (ML) of Test Method</u>	<u>Maximum daily value</u>		<u>Average daily value</u>	
								<u>concentration (ug/l)</u>	<u>mass (kg)</u>	<u>concentration (ug/l)</u>	<u>mass (kg)</u>
28. Vinyl Chloride (Chloroethene)	75014	<input type="checkbox"/>	<input type="checkbox"/>								
29. Acetone	67641	<input type="checkbox"/>	<input type="checkbox"/>								
30. 1,4 Dioxane	123911	<input type="checkbox"/>	<input type="checkbox"/>								
31. Total Phenols	108952	<input type="checkbox"/>	<input type="checkbox"/>								
32. Pentachlorophenol (PCP)	87865	<input type="checkbox"/>	<input type="checkbox"/>								
33. Total Phthalates (Phthalate esters) <sup>4</sup>		<input type="checkbox"/>	<input type="checkbox"/>								
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	117817	<input type="checkbox"/>	<input type="checkbox"/>								
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)		<input type="checkbox"/>	<input type="checkbox"/>								
a. Benzo(a) Anthracene	56553	<input type="checkbox"/>	<input type="checkbox"/>								
b. Benzo(a) Pyrene	50328	<input type="checkbox"/>	<input type="checkbox"/>								
c. Benzo(b)Fluoranthene	205992	<input type="checkbox"/>	<input type="checkbox"/>								
d. Benzo(k)Fluoranthene	207089	<input type="checkbox"/>	<input type="checkbox"/>								
e. Chrysene	21801	<input type="checkbox"/>	<input type="checkbox"/>								
f. Dibenzo(a,h)anthracene	53703	<input type="checkbox"/>	<input type="checkbox"/>								
g. Indeno(1,2,3-cd) Pyrene	193395	<input type="checkbox"/>	<input type="checkbox"/>								
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)		<input type="checkbox"/>	<input type="checkbox"/>								

<sup>4</sup>The sum of individual phthalate compounds.

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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	<input type="checkbox"/>	<input type="checkbox"/>								
i. Acenaphthylene	208968	<input type="checkbox"/>	<input type="checkbox"/>								
j. Anthracene	120127	<input type="checkbox"/>	<input type="checkbox"/>								
k. Benzo(ghi) Perylene	191242	<input type="checkbox"/>	<input type="checkbox"/>								
l. Fluoranthene	206440	<input type="checkbox"/>	<input type="checkbox"/>								
m. Fluorene	86737	<input type="checkbox"/>	<input type="checkbox"/>								
n. Naphthalene	91203	<input type="checkbox"/>	<input type="checkbox"/>								
o. Phenanthrene	85018	<input type="checkbox"/>	<input type="checkbox"/>								
p. Pyrene	129000	<input type="checkbox"/>	<input type="checkbox"/>								
37. Total Polychlorinated Biphenyls (PCBs)	85687; 84742; 117840; 84662; 131113; 117817.	<input type="checkbox"/>	<input type="checkbox"/>								
38. Chloride	16887006	<input type="checkbox"/>	<input type="checkbox"/>								
39. Antimony	7440360	<input type="checkbox"/>	<input type="checkbox"/>								
40. Arsenic	7440382	<input type="checkbox"/>	<input type="checkbox"/>								
41. Cadmium	7440439	<input type="checkbox"/>	<input type="checkbox"/>								
42. Chromium III (trivalent)	16065831	<input type="checkbox"/>	<input type="checkbox"/>								
43. Chromium VI (hexavalent)	18540299	<input type="checkbox"/>	<input type="checkbox"/>								
44. Copper	7440508	<input type="checkbox"/>	<input type="checkbox"/>								
45. Lead	7439921	<input type="checkbox"/>	<input type="checkbox"/>								
46. Mercury	7439976	<input type="checkbox"/>	<input type="checkbox"/>								
47. Nickel	7440020	<input type="checkbox"/>	<input type="checkbox"/>								
48. Selenium	7782492	<input type="checkbox"/>	<input type="checkbox"/>								
49. Silver	7440224	<input type="checkbox"/>	<input type="checkbox"/>								
50. Zinc	7440666	<input type="checkbox"/>	<input type="checkbox"/>								
51. Iron	7439896	<input type="checkbox"/>	<input type="checkbox"/>								
Other (describe):		<input type="checkbox"/>	<input type="checkbox"/>								

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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)
		<input type="checkbox"/>	<input type="checkbox"/>								
		<input type="checkbox"/>	<input type="checkbox"/>								

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

<p><i>Step 1:</i> Do any of the metals in the influent exceed the effluent limits in Appendix III (i.e., the limits set at zero dilution)? Y <input type="radio"/> N <input checked="" type="radio"/></p>	<p>If yes, which metals?</p>															
<p><i>Step 2:</i> For any metals which exceed the <b>Appendix III</b> limits, calculate the <b>dilution factor (DF)</b> 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?</p> <table border="1" style="width: 100%;"> <tr><td>Metal:</td><td>DF:</td><td></td></tr> <tr><td>Metal:</td><td>DF:</td><td></td></tr> <tr><td>Metal:</td><td>DF:</td><td></td></tr> <tr><td>Metal:</td><td>DF:</td><td></td></tr> <tr><td>Etc.</td><td></td><td></td></tr> </table>	Metal:	DF:		Metal:	DF:		Metal:	DF:		Metal:	DF:		Etc.			<p>Look up the limit calculated at the corresponding dilution factor in <b>Appendix IV</b>. Do any of the metals in the <b>influent</b> have the potential to exceed the corresponding <b>effluent</b> limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)?</p> <p>Y <input type="radio"/> N <input type="radio"/> If Y, list which metals:</p>
Metal:	DF:															
Metal:	DF:															
Metal:	DF:															
Metal:	DF:															
Etc.																

**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:						
See attached						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank <input checked="" type="checkbox"/>	Air stripper <input type="checkbox"/>	Oil/water separator <input type="checkbox"/>	Equalization tanks <input type="checkbox"/>	Bag filter <input checked="" type="checkbox"/>	GAC filter <input checked="" type="checkbox"/>
	Chlorination <input type="checkbox"/>	De-chlorination <input type="checkbox"/>	Other (please describe):			

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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  gpm Maximum flow rate of treatment system  gpm  
 Design flow rate of treatment system  gpm

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

n/a

**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 <input type="checkbox"/>	Within facility (sewer) <input type="checkbox"/>	Storm drain <input checked="" type="checkbox"/>	Wetlands <input type="checkbox"/>	Other (describe): <input type="text" value="manhole"/>
------------------------------------	--	--	---	-----------------------------------	---

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Charles River

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:

- For multiple discharges, number the discharges sequentially.
  - 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:

c) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water  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)?

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**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.

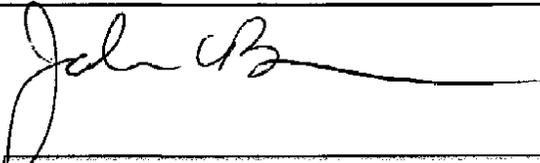
**7. Supplemental information.**

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

see attached analytical

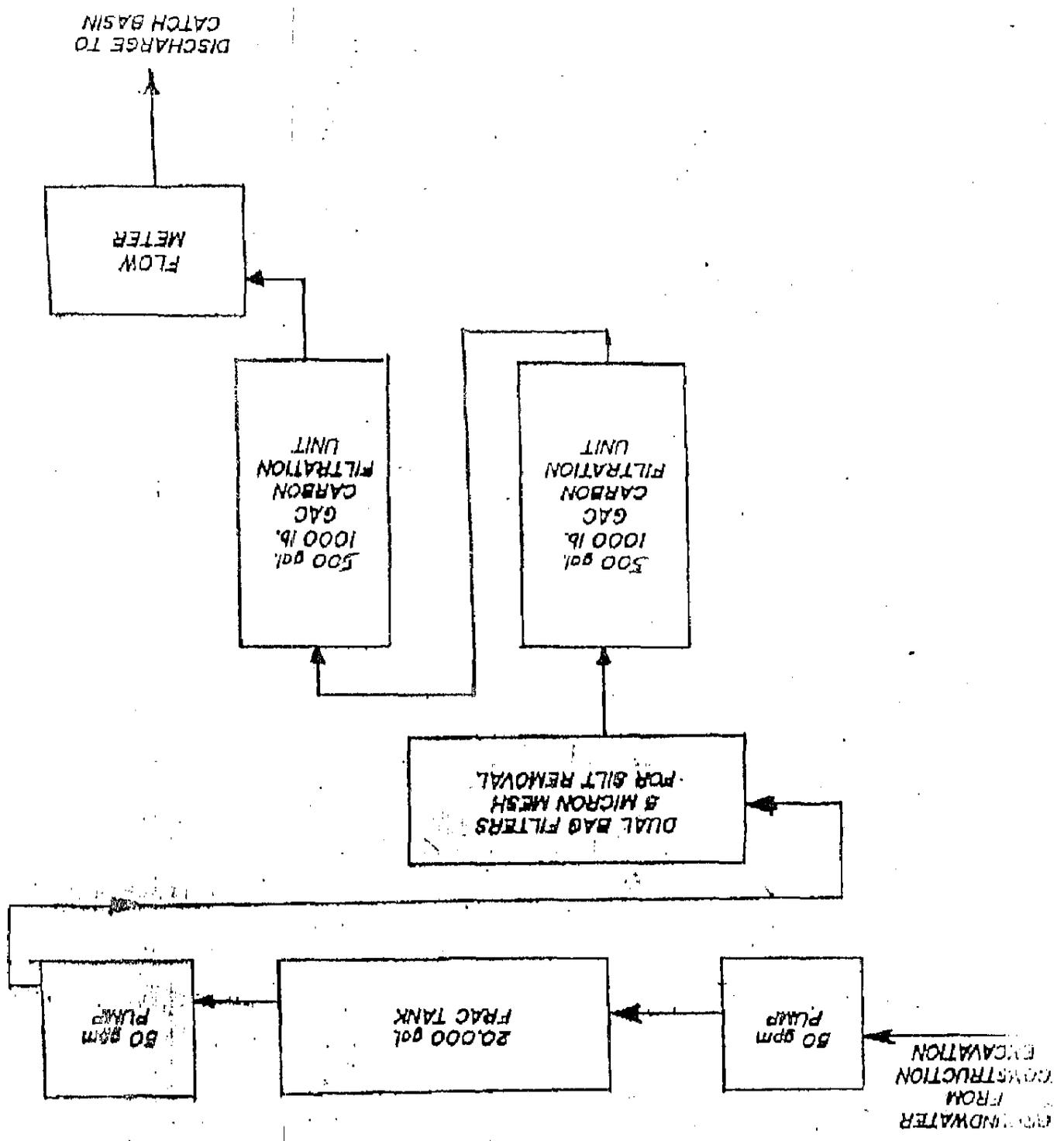
**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*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:	Wateridge Condominium Association
Operator signature:	
Printed Name & Title:	John O'Brien - President
Date:	5/20/11

SECTION G - WASTEWATER PRETREATMENT (continued)

8. Provide a process flow diagram for each pretreatment system. Include the location of flow meters, accessible sampling points and sewer connection(e) which receive treated wastewater. Provide sewer connection number from Section E.



**CERTIFICATE OF ANALYSIS**

GZA GeoEnvironmental Labs  
Attn: Ms. Michelle Miranda  
Engineers and Scientists  
106 South Street  
Hopkinton, MA 01748

**Date Received:** 5/12/11  
**Date Reported:** 5/13/11  
**P.O. #:** 8-34933  
**Work Order #:** 1105-08953

---

**DESCRIPTION:** GZA FILE# 01.0170370.10 COOLIDGE AVE WATERTOWN, MA

---

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies.  
The specific methodologies are listed in the methods column of the Certificate Of Analysis.

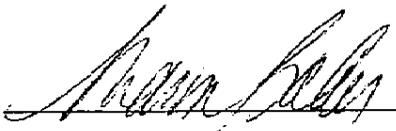
Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015  
NH-253700 A & B, USDA S-41844

This Certificate represents all data associated with the referenced work order and is paginated for completeness. The complete Certificate includes one attachment; the original Chain of Custody.

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:



Data Reporting

enc: Chain of Custody

**R.I. Analytical Laboratories, Inc.**  
**CERTIFICATE OF ANALYSIS**

GZA GeoEnvironmental Labs

Date Received: 5/12/11

Work Order #: 1105-08953

GZA FILE# 01.0170370.10 COOLIDGE AVE WATERTOWN, MA

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Sample # 001	EXCAV. - WATER		SAMPLE DATE/TIME: 5/11/2011 @ 14:50			
SAMPLE DESCRIPTION:	EXCAV. - WATER					
SAMPLE TYPE:	GRAB					
EPH/PAH						
C9-C18 Aliphatics	470	100	ug/l	MADEP	5/12/11	JEB
C19-C36 Aliphatics	350	100	ug/l	MADEP	5/12/11	JEB
C11-C22 Aromatics	280	100	ug/l	MADEP	5/13/11	JEB
Total EPH	1100		ug/l	MADEP	5/12/11	JEB
TARGET PAH ANALYTES					5/13/11	JEB
Naphthalene	<5	5	ug/l	MADEP	5/13/11	JEB
2-Methylnaphthalene	<5	5	ug/l	MADEP	5/13/11	JEB
Acenaphthylene	<5	5	ug/l	MADEP	5/13/11	JEB
Acenaphthene	<5	5	ug/l	MADEP	5/13/11	JEB
Fluorene	<5	5	ug/l	MADEP	5/13/11	JEB
Phenanthrene	<5	5	ug/l	MADEP	5/13/11	JEB
Anthracene	<5	5	ug/l	MADEP	5/13/11	JEB
Fluoranthene	<5	5	ug/l	MADEP	5/13/11	JEB
Pyrene	<5	5	ug/l	MADEP	5/13/11	JEB
Benzo(a)anthracene	<5	5	ug/l	MADEP	5/13/11	JEB
Chrysene	<5	5	ug/l	MADEP	5/13/11	JEB
Benzo(b)fluoranthene	<5	5	ug/l	MADEP	5/13/11	JEB
Benzo(k)fluoranthene	<5	5	ug/l	MADEP	5/13/11	JEB
Benzo(a)pyrene	<5	5	ug/l	MADEP	5/13/11	JEB
Indeno(1,2,3-cd)pyrene	<5	5	ug/l	MADEP	5/13/11	JEB
Dibenzo(a,h)anthracene	<5	5	ug/l	MADEP	5/13/11	JEB
Benzo(g,h,i)perylene	<5	5	ug/l	MADEP	5/13/11	JEB
Extraction Surrogates			RANGE		5/13/11	JEB
Chloro-octadecane	57		40-140%	MADEP	5/13/11	JEB
Ortho-terphenyl	98		40-140%	MADEP	5/13/11	JEB
Fractionation Surrogates			RANGE		5/13/11	JEB
2-Fluorobiphenyl	100		40-140%	MADEP	5/13/11	JEB
2-Bromonaphthalene	95		40-140%	MADEP	5/13/11	JEB
Extraction date	Extracted			MADEP	5/12/11	BPP

All QA/QC procedures required by the EPH Method were followed.

All Performance/Acceptance Standards for the required QA/QC procedures were achieved or otherwise stated.

No significant modifications were made to the EPH Method.

Customer Name : GZA GeoEnvironmental Labs

W.O. Number 1105-08953

MassDEP Analytical Protocol Certification Form	
Laboratory Name: R.L. Analytical Laboratories	Work Order No: 1105-08953
Project / Location: GZA FILE# 01.0170370.10 COOLIDGE AVE WATERTOWN, MA	RTN :
This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):	
1105-08953-001 through 1105-08953-001	

Matrices:  Groundwater/Surface Water  Soil / Sediment  Drinking Water  Air  Other

CAM Protocol (check all that apply below):

8260 VOC CAM II A <input type="checkbox"/>	7470/7471 Hg CAM III B <input type="checkbox"/>	MassDEP VPH CAM IV A <input type="checkbox"/>	8081 Pesticides CAM V B <input type="checkbox"/>	7196 Hex Cr CAM VI B <input type="checkbox"/>	MassDEP APH CAM IX A <input type="checkbox"/>
8270 SVOC CAM II B <input type="checkbox"/>	7010 Metals CAM III C <input type="checkbox"/>	MassDEP EPH CAM IV B <input checked="" type="checkbox"/>	8151 Herbicides CAM V C <input type="checkbox"/>	8330 Explosives CAM VIII A <input type="checkbox"/>	TO-15 VOC CAM IX B <input type="checkbox"/>
6010 Metals CAM III A <input type="checkbox"/>	6020 Metals CAM III D <input type="checkbox"/>	8082 PCB CAM V A <input type="checkbox"/>	9014 Total Cyanide /PAC CAM VI A <input type="checkbox"/>	6860 Perchlorate CAM VII B <input type="checkbox"/>	

Affirmative responses to Questions A through F are required for "Presumptive Certainty" status

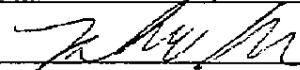
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical methods(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s) ? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<small>Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40.1056 (2)(k) and WSC-07-350.</small>		
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<sup>1</sup> All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature   
Printed Name: Mike Hobin

Position: QA/QC Director  
Date: 5/13/11

## QA/QC Report

Client: GZA GeoEnvironmental Labs

WO #: 1105-08953

Date: 5/13/2011

## -Method Blanks Results-

Parameter	Units	Results	Date Analyzed
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## Extractable Petroleum Hydrocarbons with PAH (Aqueous)

C9-C18 Aliphatics	ug/l	<100	5/12/2011
C19-C36 Aliphatics	ug/l	<100	5/12/2011
C11-C22 Aromatics	ug/l	<100	5/12/2011
<b>Target PAH Analytes</b>			5/12/2011
Naphthalene	ug/l	<5	5/12/2011
2-Methylnaphthalene	ug/l	<5	5/12/2011
Acenaphthylene	ug/l	<5	5/12/2011
Acenaphthene	ug/l	<5	5/12/2011
Fluorene	ug/l	<5	5/12/2011
Phenanthrene	ug/l	<5	5/12/2011
Anthracene	ug/l	<5	5/12/2011
Fluoranthene	ug/l	<5	5/12/2011
Pyrene	ug/l	<5	5/12/2011
Benzo(a)anthracene	ug/l	<5	5/12/2011
Chrysene	ug/l	<5	5/12/2011
Benzo(b)fluoranthene	ug/l	<5	5/12/2011
Benzo(k)fluoranthene	ug/l	<5	5/12/2011
Benzo(a)pyrene	ug/l	<5	5/12/2011
Indeno(1,2,3-cd)pyrene	ug/l	<5	5/12/2011
Dibenzo(a,h)anthracene	ug/l	<5	5/12/2011
Benzo(g,h,i)perylene	ug/l	<5	5/12/2011
<b>Extraction Surrogates</b>	<b>RANGE</b>		
Chloro-octadecane	40-140%	62	5/12/2011
Ortho-terphenyl	40-140%	97	5/12/2011
<b>Fractionation Surrogates</b>	<b>RANGE</b>		
2-Fluorobiphenyl	40-140%	98	5/12/2011
2-Bromonaphthalene	40-140%	92	5/12/2011

## -LCS/LCS Duplicate Data Results-

Parameter	CRM Acceptance Limits	Spike Conc	LCS Conc	LCS % Rec	LCS Dup Conc	LCS DUP % Rec	% RPD	Date Analyzed
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## Extractable Petroleum Hydrocarbons with PAH (Aqueous)

C9-C18 Aliphatics	300	215	72	178	59	19	5/12/2011
C19-C36 Aliphatics	400	404	101	319	80	24	5/12/2011
C11-C22 Aromatics	850	741	87	749	88	1	5/13/2011
<b>Target PAH Analytes</b>							
Naphthalene	50	32.9	66	34.3	69	4	5/13/2011

## QA/QC Report

Client: GZA GeoEnvironmental Labs

WO #: 1105-08953

Date: 5/13/2011

## -LCS/LCS Duplicate Data Results-

Parameter	CRM Acceptance Limits	Spike Conc	LCS Conc	LCS % Rec	LCS Dup Conc	LCS DUP % Rec	% RPD	Date Analyzed
<b>Extractable Petroleum Hydrocarbons with PAH (Aqueous) (cont'd)</b>								
2-Methylnaphthalene		50	35.6	71	36.6	73	3	5/13/2011
Acenaphthylene		50	38.3	77	38.8	78	1	5/13/2011
Acenaphthene		50	40.3	81	40.2	80	0	5/13/2011
Fluorene		50	42.4	85	42.5	85	0	5/13/2011
Phenanthrene		50	44.4	89	44.6	89	0	5/13/2011
Anthracene		50	44.5	89	44.8	90	1	5/13/2011
Fluoranthene		50	46.2	92	46.6	93	1	5/13/2011
Pyrene		50	46.7	93	47.4	95	1	5/13/2011
Benzo(a)anthracene		50	48.2	96	49.1	98	2	5/13/2011
Chrysene		50	46.9	94	48.1	96	3	5/13/2011
Benzo(b)fluoranthene		50	46.6	93	46.4	93	0	5/13/2011
Benzo(k)fluoranthene		50	46.7	93	46.8	94	0	5/13/2011
Benzo(a)pyrene		50	47.5	95	47.3	95	0	5/13/2011
Indeno(1,2,3-cd)pyrene		50	50.1	100	48.9	98	2	5/13/2011
Dibenzo(a,h)anthracene		50	41.7	83	44.1	88	6	5/13/2011
Benzo(g,h,i)perylene		50	41.7	83	42.5	85	2	5/13/2011
<b>Extraction Surrogates</b>								
Chloro-octadecane			62		55			
Ortho-terphenyl			94		95			
<b>Fractionation Surrogates</b>								
2-Fluorobiphenyl			95		96			
2-Bromonaphthalene			96		90			

## Case Narrative

Date: 5/13/2011

GZA GeoEnvironmental Labs  
Attn: Ms. Michelle Miranda  
Engineers and Scientists  
106 South Street  
Hopkinton, MA 01748

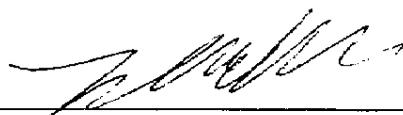
Project: GZA FILE# 01.0170370.10COOLIDGE AVE WATERTOWN, MA

RIAL WO#: 1105-08953

R.I. Analytical Laboratories received One Groundwater Sample from the GZA GeoEnvironmental Labs on May 12, 2011. The sample was transported and delivered to the laboratory in a cooler on ice (at 2.8 degrees C). The sample was received in good condition. Upon arrival, the sample was logged into our LIMS system and assigned a work order number of 1105-08953.

All QA/QC procedures required by the EPH Method were followed. All performance/acceptance standards for the required QA/QC procedures were achieved or otherwise stated in this case narrative. A fractionation check was performed on the silica gel lot associated with this sample and found to pass the method criteria unless otherwise stated here. The data reported for this sample was not corrected for instrument/solvent baseline effects. No significant modifications were made to the EPH Method.

There were no exceptions or analytical issues to discuss concerning the testing requirements for the project.



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Mike Hobin  
QA/QC Director

