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

MAG910343

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

a) Name of **facility/site**: Const. Dewatering, Sewer Pump Sta.		**Facility/site** address:	
Location of **facility/site**: longitude: -71.176 latitude: 42.229	Facility SIC code(s): 1623	Street: Off 200 Elm Street	
b) Name of **facility/site owner**: Gencel Realty LLC		Town: Dedham	
Email address of owner: jtownsend@National-Amusements.com		State: MA	Zip: 02026 / County: Norfolk
Telephone no. of facility/site **owner**: 781-461-1600			
Fax no. of facility/site **owner**: 781-461-1412		**Owner** is (check one): 1. Federal___ 2. State/Tribal___ 3. Private ✓ 4. other, if so, describe:	
Address of **owner** (if different from site):			
Street: 200 Elm Street			
Town: Dedham	State: MA	Zip: 02026	County: Norfolk
c) Legal name of **operator**: GZA GeoEnvironmental, Inc.	**Operator** telephone no: 781-278-3700		
	Operator fax no.: 781-278-5701	**Operator** email: charles.lindberg@gza.com	
Operator contact name and title: Charles A. Lindberg, Principal			
Address of **operator** (if different from owner):	Street: One Edgewater Drive		
Town: Norwood	State: MA	Zip: 02062	County: Norfolk

d) Check "yes" or "no" for the following:

1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No ✓, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No ✓, if "yes," date and tracking #:
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes ✓ No___
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ✓ No___

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ✓ No___ If "yes," please list: 1. site identification # assigned by the state of NH or MA: RTN 3-26872 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: MassDEP, BWSC, Wilmington, MA (978-694-3200)	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N ✓, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✓, if Y, number: 3. individual NPDES permit? Y___ N ✓, if Y, number: 4. any other water quality related permit? Y___ N ✓, if Y, number:

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

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

Construction-related dewatering at state-listed release site.

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft3/s)? Max. flow 0.22 Average flow 0.11 Is maximum flow a **design value**? Y ✓ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available. Estimated maximum flow in cfs (= to 100 gpm)based on pump test.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. -71.176 lat. 42.229; pt.2: long.____ lat.____; pt.3: long.____ lat.____; pt.4:long.____ lat.____; pt.5: long.____ lat.____; pt.6:long.____ lat.____; pt.7: long.____ lat.____; pt.8:long.____ lat.____; etc.

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent____ or seasonal____? Is discharge ongoing Yes____ No ✓ ?__

c) Expected dates of discharge (mm/dd/yy): start 01/28/08 end 03/31/08

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

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals ✓	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants ✓	Petroleum with Other Contaminants	Listed Contaminated Sites ✓	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	1	grab		2000	20000	10.9	20000	5.46
2. Total Residual Chlorine	✓		1	grab	330.5	100				
3. Total Petroleum Hydrocarbons		✓	1	grab	1664	500	5900	3.22	5900	1.6
4. Cyanide	✓		1	grab	335.2	10				
5. Benzene	✓		5	grab	8260	1				
6. Toluene	✓		5	grab	8260	1				
7. Ethylbenzene	✓		5	grab	8260	1				
8. (m,p,o) Xylenes	✓		5	grab	8260	1				
9. Total BTEX[4]	✓		5	grab	8260	1				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide [5] (1,2- Dibromo-methane)	✓		5	grab	8260	2				
11. Methyl-tert-Butyl Ether (MtBE)	✓		5	grab	8260	1				
12. tert-Butyl Alcohol (TBA)	✓		5	grab	8260	25				
13. tert-Amyl Methyl Ether (TAME)	✓		5	grab	8260	2				
14. Naphthalene	✓		5	grab	8260	2				
15. Carbon Tetra-chloride	✓		5	grab	8260	1				
16. 1,4 Dichlorobenzene	✓		5	grab	8260	1				
17. 1,2 Dichlorobenzene	✓		5	grab	8260	1				
18. 1,3 Dichlorobenzene	✓		5	grab	8260	1				
19. 1,1 Dichloroethane		✓	5	grab	8260	1	6.6	0.004	3.7	0.001
20. 1,2 Dichloroethane	✓		5	grab	8260	1				
21. 1,1 Dichloroethylene			5	grab	8260	1				
22. cis-1,2 Dichloro-ethylene		✓	5	grab	8260	1	1.7	0.0009	0.6	0.0002
23. Dichloromethane (Methylene Chloride)	✓		5	grab	8260	2				
24. Tetrachloroethylene	✓		5	grab	8260	1				

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

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane		✓	5	grab	8260	1	27	0.015	7.7	0.002
26. 1,1,2 Trichloroethane	✓		5	grab	8260	1				
27. Trichloroethylene		✓	5	grab	8260	1	8	0.004	4.3	0.001
28. Vinyl Chloride	✓		5	grab	8260	1				
29. Acetone	✓		5	grab	8260	25				
30. 1,4 Dioxane	✓		5	grab	8260	100				
31. Total Phenols	✓		1	grab	8270	10				
32. Pentachlorophenol	✓		1	grab	8270	50				
33. Total Phthalates [6] (Phthalate esthers)	✓		1	grab	8270	10				
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	grab	8270	10				
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270	2				
a. Benzo(a) Anthracene	✓		1	grab	8270	2				
b. Benzo(a) Pyrene	✓		1	grab	8270	2				
c. Benzo(b)Fluoranthene	✓		1	grab	8270	2				
d. Benzo(k) Fluoranthene	✓		1	grab	8270	2				
e. Chrysene	✓		1	grab	8270	2				

[6] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (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)
f. Dibenzo(a,h) anthracene	✓		1	grab	8270	2				
g. Indeno(1,2,3-cd) Pyrene	✓		1	grab	8270	2				
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✓		1	grab	8270	2				
h. Acenaphthene	✓		1	grab	8270	2				
i. Acenaphthylene	✓		1	grab	8270	2				
j. Anthracene	✓		1	grab	8270	2				
k. Benzo(ghi) Perylene	✓		1	grab	8270	2				
l. Fluoranthene	✓		1	grab	8270	2				
m. Fluorene	✓		1	grab	8270	2				
n. Naphthalene-	✓		1	grab	8270	2				
o. Phenanthrene	✓		1	grab	8270	2				
p. Pyrene	✓		1	grab	8270	2				
37. Total Polychlorinated Biphenyls (PCBs)	✓		1	grab	608	0.5				
38. Antimony	✓		1	grab	6010B	25				
39. Arsenic		✓	1	grab	6010B	10	11	0.006	11	0.003
40. Cadmium	✓		1	grab	6010B	5				
41. Chromium III		✓	1	grab	6010B	5	20	0.011	20	0.005
42. Chromium VI	✓		1	grab	Sm18 4500	10				

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper		✓	11	grab	6010B	10	290	0.16	57	0.016
44. Lead		✓	11	grab	6010B	10	38	0.02	5.6	0.002
45. Mercury	✓		1	grab	7470A	0.4				
46. Nickel	✓		1	grab	6010B	10				
47. Selenium	✓		1	grab	6010B	25				
48. Silver	✓		1	grab	6010B	5				
49. Zinc		✓	11	grab	6010B	10	160	0.087	33	0.009
50. Iron		✓	1	grab	6010B	25	1600	0.87	1600	0.44
Other (describe):										

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y [✓] N [ ]	If yes, which metals? As, Cu, Pb, Zn, Fe
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: As, Cu, Pb, Zn, Fe DF: 1	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y [✓] N [ ] If "Yes," list which metals: As, Cu, Pb, Zn, Fe

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 Figure 3						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank ✓	Air stripper	Oil/water separator	Equalization tanks	Bag filter ✓	GAC filter ✓
	Chlorination	Dechlorination	Other (please describe): Ion exchange unit			
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 50 gpm Maximum flow rate of treatment system 100 gpm Design flow rate of treatment system 100 gpm						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): None						

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

a) Identify the discharge pathway:	Direct____	Within facility__	Storm drain ✓	River/brook____	Wetlands____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Discharge to a catch basin within the parking lot at 200 Elm Street or directly to municipal storm drain (flows to unnamed brook).						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas. See Figures 1 and 2.						
d) Provide the state water quality classification of the receiving water Class B						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.14 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? Yes____ No ✓ If yes, for which pollutant(s)? Is there a TMDL? Yes____ No ✓ If yes, for which pollutant(s)?						

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes____ No ✓
Has any consultation with the federal services been completed ? Yes___ No ✓ or is consultation underway? Yes ____ No____
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):
a "no jeopardy" opinion? _____or written concurrence____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?
Yes_____ No ✓ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes_____ No ✓

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.

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:
Construction Dewatering, Proposed Sewer Pump Station

Operator signature: Charles A Lindberg

Title: Principal

Date: 01/09/2008