First half — 31 pages

CUSHING, JAMMALLO & WHEELER, INC.

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FAX TRANSMITTAL

TO: Anne
COMPANY: E.P.A.
FROM: Greg Morand
FAX #: 617-918-0505
DATE: 2-2-2006
OF PAGES (INCLUDING COVER):
COMMENTS:

Anne:
Here is our RGP/NOI request for 106 Water St. Leominster, Ma.
Please call if you have any Q's or Comments.
Thank you!
Greg

Environmental Services

- LSP Services
- Site Assessment & Investigation
- Site Remediation Design
- Remedial System, Installation, Operation & Maint.
- Remedial Constructional Oversight
- Human, Health & Environmental Risk Assessment
- Comprehensive Environmental Compliance Audits
- Facility Response Plans
- Right-to-know Programs
- NPDES Permitting
- SARA Title III Reporting
- Hazardous and Universal Waste Management Plans
- Environmental Management Systems
- UST Removal & Closure Services
- UST and AST System Design
- 21J Cost Recovery Management
- Asbestos Inspection and Management
- Stormwater Management Plans

CUSHING, JAMMALLO & WHEELER, INC.

File: 5067 January 20, 2006

US Environmental Protection Agency
RPG – NOC Processing
Municipal Assistance Unit (CMU),
1 Congress Street, Suite 1100
Boston, MA 02114-2023

RE: Remediation General Permit/ Notice of Intent Attachment
Waterway Apartments
106 Water Street
Leominster, Massachusetts
RTN 2-15976

1.0 Notice of Intent

Pursuant to the announcement of the Remediation General Permit (RGP) on September 9, 2005, please find the attached Notice of Intent (NOI) for the above-referenced site. The analytical report for the pre-treatment influent sample, supporting figures and diagrams are included as attachments to this NOI.

This NOI for the above-referenced site is submitted by Cushing, Jammallo & Wheeler, Inc. (CJW) on behalf of Waterway Apartments, 106 Water Street, Leominster, Massachusetts.

2.0 Site History

On November 3, 2005, personnel from CJW responded to the Waterway Apartments, 106 Water Street, Leominster, Massachusetts, (the "site") during the excavation and removal of a 5,000-gallon underground storage tank (UST) system used for the storage of #2 fuel oil at the site. CJW personnel collected soil samples from within the UST pit and screened the soils for volatile organic compound (VOC) concentrations with a photoionization detector (PID) on a parts per million by volume (ppmv) basis, benzene referred. In response to readings in soil greater than 100 ppmv within the UST excavation area, CJW on behalf of Aalanco notified the Massachusetts Department of Environmental Protection (MA DEP) that a 72-hour reporting condition existed at the site and release tracking number (RTN) 2-15976 was assigned to this release.

CJW received approval to conduct Immediate Response Action (IRA) activities at the site including the excavation and disposal of up to 100 cubic yards of petroleum

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contaminated soil (PCS) and the removal and proper disposal of petroleum-impacted groundwater. The site location is depicted on the attached Figure 1 – Locus Plan.

Petroleum-impacted groundwater was collected from the UST excavation and is currently stored on-site in a 21,000-gallon fractionation tank. The operation of temporary dewatering system is required at the site to remove the dissolved-phase hydrocarbons from the collected groundwater, treat the groundwater with granular activated carbon (GAC), and discharge the treated groundwater to the adjacent stormwater conveyance system.

3.0 Treatment System Information

The on-site treatment system will contain a dewatering sump set within the existing 21,000-gallon fractionation (frac) tank that is situated in the northeastern portion of the site, adjacent to the former UST excavation. The treatment system will consist of two liquid phase carbon canisters containing a minimum of 150-pounds of reactivated liquid-phase granular activated carbon (GAC) each and will also contain a ball valve to regulate the flow into the GAC drums and a check valve to prevent back flow into the frac tank. The petroleum-impacted water will be pumped from the frac tank through the GAC canisters. Then, the treated water will be discharged via 2-inch piping to the storm water conveyance system via a catch basin located immediately west of the fractionation tank. The outfall of the storm water conveyance system is located approximately 100 feet northwest of the site, discharging to Monoosnoc Brook, which eventually discharges into the Nashua River southwest of the site. Refer to Figure 2 – Site Sketch for a depiction of the site and the flow schematic of the treatment system.

The treatment system will only be operated under the supervision of CJW personnel at a discharge rate less than 10 gallons per minute (GPM). The on-site frac tank is currently holding approximately 18,000-gallons of petroleum-impacted groundwater (specifically, #2 fuel oil impacted groundwater). As IRA activities have concluded at the site, additional dewatering and collection activities are not anticipated at this time. It is anticipated that the dewatering system will be operated over a one week period, following US EPA RGP approval. Sample collection ports for liquid phase monitoring are located prior to discharge of the treated waste stream.

4.0 Receiving Surface Water

It is anticipated that the maximum rate of treated remedial wastewater to be discharged to the stormwater conveyance system will not exceed 10 GPM. Treated groundwater is discharged to a stormwater manhole located approximately 25 feet west of the fractionation tank, which in turn discharges to Monoosnoc Brook located approximately 100 feet northwest of the site, which eventually discharges to the Nashua River southwest of the site. The Monoosnoc Brook is reported to have a seven day-ten year flow (7Q10) of 0.2 cubic feet per second (cfs). Refer to Figure 1 for the approximate treatment system discharge location.

5.0 Laboratory Analytical Analysis

On November 10, 2005, personnel from CJW collected a wastewater sample (designated WW-1) from the fractionation tank and submitted the sample to Con-Test Analytical Laboratories (Con-Test) in East Longmeadow, Massachusetts, for analysis. On December 19, 2005, personnel from CJW collected a wastewater sample (designated Pre-Treatment Influent - 1) from the fractionation tank and submitted the sample to Con-Test for analysis.

According to the analytical report for wastewater collected on November 10, 2005, WW-1 contained cadmium, chromium, copper, nickel lead and zinc above the laboratory method detection limit (MDL). In addition, WW-1 also contained TPH (0.28 mg/L) above the laboratory MDL. No other compounds were detected at or above the laboratory MDL.

According to the analytical report for waste water collected on December 19, 2005, Pre-Treatment Influent – 1 contained arsenic, cadmium, copper, iron, nickel, lead, and zinc above the laboratory MDL. In addition, the sample also contained total suspended solids (6.0 mg/L) above the laboratory MDL. No other compounds were detected at or above the laboratory MDL.

According to the analytical reports, the collected wastewater samples did not contain contaminant concentrations that required dilutions or created matrix interferences with the required analysis. As such, the majority of the reporting limits were found to meet or approach the US EPA minimum levels listed in Appendix VI. As such, the NOI has been completed to reflect the RL's and reported concentrations collected from the wastewater sampling events performed on November 10 and December 19, 2005, both analytical reports are included as an attachment to this document.

If you have any questions regarding the information presented herein, please do not hesitate to contact the undersigned at (978) 368-6320.

Very truly yours,

CUSHING, JAMMALLO & WHEELER, INC.

Gregory R. Morand
Project Manager

Attachments

RGP – NOI
Wastewater Analytical Reports

Figure 1 – Locus Plan
Figure 2 – Site Sketch – Flow Schematic Sketch

cc: MA DEP, Division of Watershed Management, 627 Main Street, 2nd Floor, Worcester, MA, 01608

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

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

a) Name of **facility/site:** Waterway Apartments		**Facility/site address:**		
Location of **facility/site:** longitude: 71° 45' 21" latitude: 42° 31' 40"	Facility SIC code(s):	Street: 106 Water Street		
b) Name of **facility/site owner:** David Feldman (Dir. of Operations)		Town: Leominster		
Email address of owner:		State: Ma	Zip: 01453	County: Worc.
Telephone no.of facility/site **owner:** (617)-738-5100		**Owner** is (check one): 1. Federal___ 2. State/Tribal___ 3. Private ✓ 4. other, if so, describe:		
Fax no. of facility/site **owner:**				
Address of **owner** (if different from site):				
Street: 1686 Commonwealth Ave				
Town: Brighton	State: MA	Zip: 02135	County:	
c) Legal name of **operator:** Cushing, Jannallo & Wheeler, Inc	**Operator** telephone no: 978-368-6320			
	Operator fax no.: 978-368-6121	**Operator** email: gmorande csw-env.com		
Operator contact name and title: Gregory Morand Project Mngr.				
Address of **operator** (if different from owner):	Street: 180 stone street			
Town: Clinton	State: MA	Zip: 01510	County: Worc.	

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 2-15976 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: MA DEP C.E.R.O.	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: To treat And discharge Approx. 29,000 gallons of water that was collected during the removal of A #2 fuel oil UST.

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 0.022 Average flow 0.018 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. System will include A dewatering Pump set within the Frac tank pumping through A ball valve And 2 200-lb GAC Adsorbers set to +/- 8 GPM

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 71° 45' lat. 42° 31'; 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): N/A	5) Is the discharge ~~intermittent~~____ or seasonal____? One time only to treat +/- 20,000 gal. in A Frac tank Is discharge ongoing Yes___ (No)✓?

c) Expected dates of discharge (mm/dd/yy): start 02/13/06 end 03/10/06

d) Please attach a line drawing or flow schematic showing water flow through the facility including: Refer to Fig. 2
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		X	1	Grab	SM 2540D	5.0 mg/L			6,000	0.262
2. Total Residual Chlorine	X		1	Grab	SM 4500-Cl G	0.02 mg/L			< 20	<.0008
3. Total Petroleum Hydrocarbons		X	2	Grab	8015M	Ranged from .20 mg/L to 14 mg/L			490	0.0214
4. Cyanide	X		1	Grab	SM4500 CN E	0.010 mg/L			< 10	<.0004
5. Benzene	X		1	Grab	SW 846 8260	1.0 ug/L			< 1.0	<.00004
6. Toluene	X		1	Grab	" "	1.0 ug/L			<1.0	<.00004
7. Ethylbenzene	X		1	Grab	" "	1.0 ug/L			<1.0	<.00004
8. (m,p,o) Xylenes	X		1	Grab	" "	3.0 ug/L			< 3.0	<.00013
9. Total BTEX[4]	X		1	Grab	" "	6.0 ug/L			< 6.0	<.00026

[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)	X		1	Grab	SW 846 8260	1.0 ug/L			< 1.0	< .0004
11. Methyl-tert-Butyl Ether (MtBE)	X		1	Grab	" "	2.0 ug/L			< 2.0	< .00008
12. tert-Butyl Alcohol (TBA)	X		1	Grab	" "	20 ug/L			< 20	< .0008
13. tert-Amyl Methyl Ether (TAME)	X		1	Grab	" "	0.5 ug/L			< 0.5	< .00002
14. Naphthalene	X		1	Grab	" "	5.0 ug/L			< 5.0	< .0002
15. Carbon Tetra-chloride	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
16. 1,4 Dichlorobenzene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
17. 1,2 Dichlorobenzene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
18. 1,3 Dichlorobenzene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
19. 1,1 Dichloroethane	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
20. 1,2 Dichloroethane	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
21. 1,1 Dichloroethylene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
22. cis-1,2 Dichloro-ethylene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004
23. Dichloromethane (Methylene Chloride)	X		1	Grab	" "	5.0 ug/L			< 5.0	< .0002
24. Tetrachloroethylene	X		1	Grab	" "	1.0 ug/L			< 1.0	< .00004

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

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)
25. 1,1,1 Trichloroethane	X		1	Grab	SW 846 8260	1.0 ug/L			<1.0	<.00004
26. 1,1,2 Trichloroethane	X		1	"	"	1.0 ug/L			<1.0	<.00004
27. Trichloroethylene	X		1	"	"	1.0 ug/L			<1.0	<.00004
28. Vinyl Chloride	X		1	"	"	2.0 ug/L			<2.0	<.00008
29. Acetone	X		1	"	"	50 ug/L			<50	<.0021
30. 1,4 Dioxane	X		1	"	"	50 ug/L			<50	<.0021
31. Total Phenols	X		1	"	420.1	0.05 mg/L			<50	<.0021
32. Pentachlorophenol	X		1	"	SW 846 8270	1.0 ug/L			<1.0	<.00004
33. Total Phthalates [6] (Phthalate esthers)	X		1	"	"	80 ug/L			<80	<.00349
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	X		1	"	"	1.0 ug/L			<1.0	<.00004
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene	X		1	Grab	SW 846 8270	0.05 ug/L			<0.05	<.000018
b. Benzo(a) Pyrene	X		1	"	"	0.1 ug/L			<0.1	<.000004
c. Benzo(b)Fluoranthene	X		1	"	"	0.05 ug/L			<0.05	<.000018
d. Benzo(k) Fluoranthene	X		1	"	"	0.2 ug/L			<0.2	<.00008
e. Chrysene	X		1	"	"	0.2 ug/L			<0.2	<.00008

[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	X		1	Grab	SW 846 8270	0.5 ug/L			< 0.5	< .000021
g. Indeno(1,2,3-cd) Pyrene	X		1	~	~ ~	0.5 ug/L			< 0.5	< .000021
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)										
h. Acenaphthene	X		1	Grab	SW 846 8270	0.30 ug/L			< 0.30	< .000012
i. Acenaphthylene	X		1	~	~	0.30 ug/L			< 0.30	< .000012
j. Anthracene	X		1	~	~	0.20 ug/L			< 0.20	< .0000086
k. Benzo(ghi) Perylene	X		1	~	~	0.5 ug/L			< 0.5	< .00008
l. Fluoranthene	X		1	~	~	0.5 ug/L			< 0.5	< .00008
m. Fluorene	X		1	~	~	1.0 ug/L			< 1.0	< .00004
n. Naphthalene-	X		1	~	~	1.0 ug/L			< 1.0	< .00004
o. Phenanthrene	X		1	~	~	0.10 ug/L			< 0.10	< .00004
p. Pyrene	X		1	~	~	1.0 ug/L			< 1.0	< .00004
37. Total Polychlorinated Biphenyls (PCBs)	X		1	Grab	EPA 608	0.20 ug/L			< 0.20	< .0000086
38. Antimony										
39. Arsenic		X	1	Grab	SM 3113 B AS	0.0005 mg/L			1.3	.000056
40. Cadmium		X	2	Grab	200.7	.0005 mg/L			0.8	.000035
41. Chromium III	X		1	Grab	200.7 SM 3500 CRD	0.004 mg/L			< 3.5	< .00015
42. Chromium VI	X		1	Grab	SM 3500 CRD	0.004 mg/L			< 4.0	< .00017

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)
43. Copper		X	2	Grab	200.7 6010	0.0005 mg/L			3.35	.000145
44. Lead		X	2	Grab	sm 3113 & 200.7	0.0005 mg/L 0.002 mg/L			1.2	.000052
45. Mercury	X		1	Grab	245.1 7470	0.00004 mg/L			< 0.04	<.0000015
46. Nickel		X	2	Grab	200.7	0.002 mg/L			3.5	.000152
47. Selenium	X		1	Grab	sm 3113	0.0005 mg/L			< 0.5	<.000021
48. Silver	X		1	Grab	sm 3113	0.0005 mg/L			< 0.5	<.000021
49. Zinc		X	2	Grab	200.7	0.005 mg/L			36.5	.00159
50. Iron		X	1	Grab	200.7	0.02 mg/L			880	0.0384
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? Cadmium
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: Cadmium DF: 10.0909	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:

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:						
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): Check valve. Ball valve (for Flow Regulation)			
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 8 Maximum flow rate of treatment system 15 Design flow rate of treatment system 8-10						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets):						

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: From CAC Drains into A Catch Basin @ the site which Flows into Monoosnoc Brook, which eventually Flows into the Nashua River.						
c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water: 1. For multiple discharges, number the discharges sequentially. 2. For indirect dischargers, indicate the location of the discharge to the indirect conveyance and the discharge to surface water The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.						
d) Provide the state water quality classification of the receiving water B.						
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 0.2 cfs VSGS STREAM STATS FOR MONOOSNOC BROOK 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 ? 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~~): NO
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: Waterway Apartments 106 Water Street, Leominster, Ma 01453

Operator signature: Greg Marl

Title: Project Manager

Date: 1-19-2006

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 11/17/2005

CUSHING, JAMMALLO & WHEELER
180 STONE STREET
CLINTON, MA 01510
ATTN: RICH CUSHING

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-93195
JOB NUMBER: 5067

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

PROJECT LOCATION: 106 WATER STREET, LEOMINSTER

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
WW-1	05B44398	WASTE WATE	WASTEWATER	cd (mg/l) icp
WW-1	05B44398	WASTE WATE	WASTEWATER	cr (mg/l) icp
WW-1	05B44398	WASTE WATE	WASTEWATER	cu (mg/l) icp
WW-1	05B44398	WASTE WATE	WASTEWATER	fog
WW-1	05B44398	WASTE WATE	WASTEWATER	ni (mg/l) icp
WW-1	05B44398	WASTE WATE	WASTEWATER	pb (mg/l) icp
WW-1	05B44398	WASTE WATE	WASTEWATER	ph
WW-1	05B44398	WASTE WATE	WASTEWATER	tph gc water
WW-1	05B44398	WASTE WATE	WASTEWATER	zn (mg/l) icp

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

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

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.

Tod Kopyscinski 11/17/05

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

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ANALYTICAL LABORATORY

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

RICH CUSHING
CUSHING, JAMMALLO & WHEELER
180 STONE STREET
CLINTON, MA 01510

11/17/2005
Page 1 of 10

Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
Date Received: 11/10/2005
Field Sample # : WW-1
Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Cadmium	mg/l	0.0007	11/12/05	BAG	0.0005			

Analytical Method:
EPA 200.7/SW846 6010
SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample

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Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Chromium	mg/l	0.005	11/12/05	BAG	0.004			

Analytical Method:
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Date Received: 11/10/2005
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Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Copper	mg/l	0.0042	11/12/05	BAG	0.0005			

Analytical Method:
EPA 200.7/SW846 6010
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11/17/2005
Page 4 of 10

Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
Date Received: 11/10/2005
Field Sample # : WW-1
Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Fats, Oil, and Grease	mg/l	ND	11/14/05	CRM	5.4			

Analytical Method:
EPA 413.1
GRAVIMETRIC DETERMINATION FOLLOWING LIQUID-LIQUID EXTRACTION INTO 1,1,2-TRICHLORO- 1,2,2-TRIFLUOROETHANE (FREON 113)

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Date Received: 11/10/2005
Field Sample # : WW-1
Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Nickel	mg/l	0.003	11/12/05	BAG	0.002			

Analytical Method:
EPA 200.7/SW846 6010
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Date Received: 11/10/2005
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Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/l	0.010	11/12/05	BAG	0.002			

Analytical Method:
EPA 200.7/SW846 6010
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11/17/2005
Page 7 of 10

Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
Date Received: 11/10/2005
Field Sample # : WW-1

LIMS-BAT #: LIMS-93195
Job Number: 5067

Sample ID : *05B44398

Sampled : 11/10/2005
WASTEWATER

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
pH	units	7.70	11/10/05	MAB				

Analytical Method:
EPA 150.1
ELECTRODE DETERMINATION

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Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
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Field Sample # : WW-1
Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER
Sample Matrix: WASTE WATER

LIMS-BAT #: LIMS-93195
Job Number: 5067

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/F
Fuels, diesel, no. 2	MG/L	ND	11/14/05	CJM	0.25			
Gasoline	MG/L	ND	11/14/05	CJM	0.25			
Fuel oil no. 6	MG/L	ND	11/14/05	CJM	0.25			
Kerosene/Jet Fuel	MG/L	ND	11/14/05	CJM	0.25			
Unknown Hydrocarbons	MG/L	0.28	11/14/05	CJM	0.20			

Analytical Method:
MODIFIED NYSDOH 310.13/MOD 8015
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE BY LIQUID/LIQUID EXTRACTION, CONCENTRATED AND QUANTITATED AGAINST THE DIFFERENT PETROLEUM HYDROCARBON FRACTION STANDARDS.
FINGERPRINTS OF SAMPLE AND STANDARD CHROMATOGRAMS ARE COMPARED.

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Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
Date Received: 11/10/2005
Field Sample # : WW-1

LIMS-BAT #: LIMS-93195
Job Number: 5067

Sample ID : 05B44398
Sampled : 11/10/2005
WASTEWATER

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Zinc	mg/l	0.035	11/12/05	BAG	0.005			

Analytical Method:
EPA 200.7/SW846 6010
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Purchase Order No.:

Project Location: 106 WATER STREET, LEOMINSTER
Date Received: 11/10/2005

LIMS-BAT #: LIMS-93195
Job Number: 5067

The following notes were attached to the reported analysis :

Sample ID: * 05B44398
Analysis: pH

PAST HOLDING TIME PER EPA CWA.
TIME ANALYZED: 3:47 PM.
TEMPERATURE: 8.3 DEGREES CELSIUS.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/17/2005 Lims Bat # : LIMS-93195

QC Batch Number: FOG-1253

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-46371					
	Fats, Oil, and Grease	Lab Fort Blank Amt.	12.1	mg/l	
		Lab Fort Blk. Found	13.3	mg/l	
		Lab Fort Blk. % Rec.	109.9	%	72-113
		Dup Lab Fort Bl Amt.	16.3	mg/l	
		Dup Lab Fort Bl. Fnd	17.4	mg/l	
		Dup Lab Fort Bl %Rec	106.7	%	
		Lab Fort Blank Range	3.2	units	0-18.9
		Lab Fort Bl. Av. Rec	108.3	%	
		LFB Duplicate RPD	26.7	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/17/2005 Lims Bat # : LIMS-93195

QC Batch Number: GC/FID-14290

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-81059					
	Fuel oil no. 6	Blank	<0.25	MG/L	
	Fuels, diesel, no. 2	Blank	<0.25	MG/L	
	Gasoline	Blank	<0.25	MG/L	
	Kerosene/Jet Fuel	Blank	<0.25	MG/L	
	Unknown Hydrocarbons	Blank	<0.20	MG/L	
LFBLANK-46391					
	Fuels, diesel, no. 2	Lab Fort Blank Amt.	1.00	MG/L	
		Lab Fort Blk. Found	0.97	MG/L	
		Lab Fort Blk. % Rec.	96.60	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/17/2005 Lims Bat # : LIMS-93195

QC Batch Number: ICP-13017

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-81000					
	Aluminum	Blank	<0.03	mg/l	
	Cadmium	Blank	<0.0005	mg/l	
	Chromium	Blank	<0.004	mg/l	
	Copper	Blank	0.0015	mg/l	
	Nickel	Blank	<0.003	mg/l	
	Lead	Blank	0.003	mg/l	
	Zinc	Blank	0.021	mg/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

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EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

Page 1 of 1

Lims# 93195

Company Name: C.J.W.
Address: 180 Stone St. Clinton Ma
Attention: Richard Cushing
Project Location: 106 Water Street, Leominster
Sampled By: GRM

Telephone:( )
Project # 5067
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL (WEBSITE) CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes (no)

# of containers	1	1	1	2							
**Preservation	~	S	~	N							
~Cont.Code	A	A	P	P							

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	TPH 8015M	F.O.G.	PH	Chromium, copper, lead, zinc, cadmium, nickel										
WW-1	waste water	44398	11/10/05	~~8:30~~ 8:30 per sample		X	WW	X	X	X	X										
				FA 11/10																	

Comments:

Relinquished by: (signature) GRM — Date/Time: 11/10/05
Received by: (signature) — Date/Time: 1210 11-10-05
Relinquished by: (signature) — Date/Time: 15 11-10-05
Received by: (signature) — Date/Time: 11/10/05 15.15
Temp 3°C

Turnaround **
☒ *5-Day
☐ 7-Day
☐ 10-Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations?
Data Enhancement Project? ☐ Y (N)
(MA MCP sites only)
Special Requirements or DL's:

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

**Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

**Turnaround time begins at 9:00 a.m. the day after sample receipt (unless received before 2:00 p.m.)

Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious AIHA and NELAC Certifications and WBE/DBE Certified!

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SAMPLE RECEIPT CHECKLIST

CLIENT NAME: CJW

RECEIVED BY: KA DATE: 11/10/05

1. Was chain of custody relinquished and signed? (YES) NO
2. Does Chain agree with samples? (YES) NO

If not, explain:

3. All Samples in good condition? (YES) NO

If not, explain:

4. Were samples received in compliance with Temperature 0-6 degrees C? (YES) NO Degrees: 3°C
5. Are there any on hold samples? YES (NO)
6. Laboratory analysts notified? (YES) NO

Who MAB Time 15:15 Date 11/10/05

7. Location where samples are stored: IC

CONTAINERS SENT IN TO CON-TEST	# of containers	CONTAINERS SENT TO CON-TEST	# of containers
		Air Cassettes	
1 liter amber	2	8 oz clear jar	
500 ml amber		4 oz clear jar	
250 ml amber (8oz. Amber)		2 oz clear jar	
1 liter plastic		Plastic bag	
500 ml plastic	1	Encore	
250 ml plastic	2	Brass Sleeves	
40 ml vial		Tubes	
Colisure bottle		Summa cans	
Dissolved oxygen bottle		Other	
Flashpoint bottle			

Laboratory comments: