

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: <u>Cumberland Farms Attleboro</u>		Facility/site mailing address:	
Location of facility/site: Longitude: <u>71° 17' 13.58"</u> Latitude: <u>41° 56' 32.29"</u>		Street: <u>60-80 County St</u>	
b) Name of facility/site owner: <u>Cumberland Gulf group of companies</u>		Town: <u>Attleboro</u>	
Email address of facility/site owner: <u>cjohnson@cumberlandgulf.com</u>		State: <u>MA</u>	Zip: <u>02703</u>
Telephone no. of facility/site owner: <u>508-270-1400</u>		County: <u>Bristol</u>	
Fax no. of facility/site owner: <u>781-459-0454</u>		Owner is (check one): 1. Federal _____ 2. State/Tribal _____	
Address of owner (if different from site):		3. Private ☒ 4. Other _____ if so, describe: _____	
Street: <u>100 Crossing Blvd</u>			
Town: <u>Framingham</u>	State: <u>MA</u>	Zip: <u>01702</u>	County: <u>Middlesex</u>
c) Legal name of operator: <u>Environmental Compliance Services, Inc.</u>		Operator telephone no: <u>781-246-8897</u>	
Operator contact name and title: <u>Joseph Rogers, Field Technician</u>		Operator fax no.: <u>781-246-8950</u>	
Address of operator (if different from owner):		Operator email: <u>JRogers@ECSconsult.com</u>	
Street: <u>10 State Street</u>			
Town: <u>Woburn</u>	State: <u>MA</u>	Zip: <u>01801</u>	County: <u>Middlesex</u>

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 <u> </u> N <u>✓</u>, if Y, number: <u> </u> 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Y <u> </u> N <u>✓</u>, if Y, date and tracking #: <u> </u> 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Y <u>✓</u> N <u> </u> 4. For sites in Massachusetts, is the discharge covered under the Massachusetts Contingency Plan (MCP) and exempt from state permitting? Y <u>✓</u> N <u> </u>	
e) Is site/facility subject to any State permitting, license, or other action which is causing the generation of discharge? Y <u> </u> N <u>✓</u> If Y, please list: 1. site identification # assigned by the state of NH or MA: <u> </u> 2. permit or license # assigned: <u> </u> 3. state agency contact information: name, location, and telephone number: <u> </u>	f) Is the site/facility covered by any other EPA permit, including: 1. Multi-Sector General Permit? Y <u> </u> N <u>✓</u>, if Y, number: <u> </u> 2. Final Dewatering General Permit? Y <u> </u> N <u>✓</u>, if Y, number: <u> </u> 3. EPA Construction General Permit? Y <u> </u> N <u>✓</u>, if Y, number: <u> </u> 4. Individual NPDES permit? Y <u> </u> N <u>✓</u>, if Y, number: <u> </u> 5. any other water quality related individual or general permit? Y <u> </u> N <u>✓</u>, if Y, number: <u> </u>
g) Is the site/facility located within or does it discharge to an Area of Critical Environmental Concern (ACEC)? Y <u> </u> N <u>✓</u>	
h) Based on the facility/site information and any historical sampling data, identify the sub-category into which the potential discharge falls.	
Activity Category I - Petroleum Related Site Remediation ✓ II - Non Petroleum Site Remediation III - Contaminated Construction Dewatering	Activity Sub-Category A. Gasoline Only Sites <u>✓</u> B. Fuel Oils and Other Oil Sites (including Residential Non-Business Remediation Discharges) <u> </u> C. Petroleum Sites with Additional Contamination A. Volatile Organic Compound (VOC) Only Sites <u> </u> B. VOC Sites with Additional Contamination <u> </u> C. Primarily Heavy Metal Sites A. General Urban Fill Sites <u> </u> B. Known Contaminated Sites

IV - Miscellaneous Related Discharges		A. Aquifer Pump Testing to Evaluate Formerly Contaminated Sites _____ B. Well Development/Rehabilitation at Contaminated/Formerly Contaminated Sites _____ C. Hydrostatic Testing of Pipelines and Tanks _____ D. Long-Term Remediation of Contaminated Non-residential Sumps and Dikes _____ E. Short-term Contaminated Dredging- Drain Back Waters (if not covered by 401/404 permit) _____	
2. Discharge information. Please provide information about the discharge, (attaching additional sheets as necessary) including:			
a) Describe the discharge activities for which the owner/applicant is seeking coverage: <i>Dewatering discharge for new underground storage tank system installation</i>			
b) Provide the following information about each discharge:			
1) Number of discharge points: <u>1</u>		2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft ³ /s)? Max. flow <u>0.1114</u> Is maximum flow a design value? Y ☒ N ☐ Average flow (include units) <u>2.5 GPM</u> Is average flow a design value or estimate? <u>estimate</u>	
3) Latitude and longitude of each discharge within 100 feet: pt.1: lat. <u>41°56'32"</u> long. <u>-71°17'12"</u> ; pt.2: lat. _____ long. _____ pt.3: lat. _____ long. _____; pt.4: lat. _____ long. _____ pt.5: lat. _____ long. _____; pt.6: lat. _____ long. _____ pt.7: lat. _____ long. _____; pt.8: lat. _____ long. _____; etc.			
4) If hydrostatic testing, total volume of the discharge (gals): _____		5) Is the discharge intermittent ☒ or seasonal _____? Is discharge ongoing? Y ☐ N ☒	
c) Expected dates of discharge (mm/dd/yy): start <u>9/27/10</u> end <u>10/27/10</u>			
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). <u>See Attachments.</u>			

3. Contaminant information.

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

Parameter *	CAS Number	Believed Absent	Believed Present	# of Samples	Sample Type (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
								concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids (TSS)			✓	2	grab	SM 25400	20000 ug/L	190 000		180 000	
2. Total Residual Chlorine (TRC)		✓									
3. Total Petroleum Hydrocarbons (TPH)			✓	2	grab	GCL (modified)	200 ug/L	8 600		7050	
4. Cyanide (CN)	57125	✓									
5. Benzene (B)	71432		✓	2	grab	VPH	1 ug/L	160		80.5	
6. Toluene (T)	108883	✓									
7. Ethylbenzene (E)	100414	✓									
8. (m,p,o) Xylenes (X)	108883; 106423; 95476; 1330207	✓									
9. Total BTEX ²	n/a		✓	2	grab	VPH	1 ug/L	2808		1464.5	
10. Ethylene Dibromide (EDB) (1,2-Dibromoethane) ³	106934		✓	2	grab	SW-846	0.5 ug/L	ND		ND	
11. Methyl-tert-Butyl Ether (MtBE)	1634044		✓	2	grab	VPH	5 ug/L	41		22	
12. tert-Butyl Alcohol (TBA) (Tertiary-Butanol)	75650		✓	2	grab	SW-846	20 ug/L	3500		1776.5	

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

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

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

<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		✓	2	grab	SW-846	0.5 g/L	ND		ND	
14. Naphthalene	91203		✓	8	grab	VH	5 g/L	280		144	
15. Carbon Tetrachloride	56235	✓									
16. 1,2 Dichlorobenzene (o-DCB)	95501	✓									
17. 1,3 Dichlorobenzene (m-DCB)	541731	✓									
18. 1,4 Dichlorobenzene (p-DCB)	106467	✓									
18a. Total dichlorobenzene		✓									
19. 1,1 Dichloroethane (DCA)	75343	✓									
20. 1,2 Dichloroethane (DCA)	107062	✓									
21. 1,1 Dichloroethene (DCE)	75354	✓									
22. cis-1,2 Dichloroethene (DCE)	156592	✓									
23. Methylene Chloride	75092	✓									
24. Tetrachloroethene (PCE)	127184	✓									
25. 1,1,1 Trichloro-ethane (TCA)	71556	✓									
26. 1,1,2 Trichloro-ethane (TCA)	79005	✓									
27. Trichloroethene (TCE)	79016	✓									

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

⁴ The sum of individual phthalate compounds.

<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>
h. Acenaphthene	83329	✓									
i. Acenaphthylene	208968	✓									
j. Anthracene	120127	✓									
k. Benzo(ghi) Perylene	191242	✓									
l. Fluoranthene	206440	✓									
m. Fluorene	86737	✓									
n. Naphthalene	91203	✓									
o. Phenanthrene	85018	✓									
p. Pyrene	129000	✓									
	85687; 84742; 117840; 84662; 131113; 117817.	✓									
37. Total Polychlorinated Biphenyls (PCBs)											
38. Chloride	16887006	✓									
39. Antimony	7440360	✓									
40. Arsenic	7440382	✓									
41. Cadmium	7440439	✓									
42. Chromium III (trivalent)	16065831	✓									
43. Chromium VI (hexavalent)	18540299	✓									
44. Copper	7440508	✓									
45. Lead	7439921		✓	2	grab	EPA 200.7	5 ug/L	74		54	
46. Mercury	7439976	✓									
47. Nickel	7440020	✓									
48. Selenium	7782492	✓									
49. Silver	7440224	✓									
50. Zinc	7440666	✓									
51. Iron	7439896		✓	2	grab	EPA 200.7	100 ug/L	59000		37500	
Other (describe):											

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

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

<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 ☒ N ☐	If yes, which metals? <u>Lead and Iron</u>
<i>Step 2:</i> For any metals which exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3.c (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metal: <u>Lead</u> DF: <u>9.07</u> Metal: <u>Iron</u> DF: <u>9.07</u> Metal: _____ DF: _____ Metal: _____ DF: _____ Etc.	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ☒ N ☐ If Y, list which metals: <u>Lead and Iron</u>

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.
Dewatering pumps → Frac tank(s) → transfer pump → 100 micron bag filter(s) → 10 micron bag filter(s) → 2 GAC filters → 1 micron cartridge filter → Ion exchange resin vessel → flow meter/totalizer → discharge (cartridge filter and Ion exchange only if warranted)

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☒	Air stripper	Oil/water separator	Equalization tanks	Bag filter ☒	GAC filter ☒
	Chlorination	De-chlorination	Other (please describe): <u>Cartridge filter and Ion exchange vessel if warranted.</u>			

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 25 gpm Maximum flow rate of treatment system 50 gpm
Design flow rate of treatment system 50 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 ☒	Within facility (sewer) _____	Storm drain _____	Wetlands _____	Other (describe): _____
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b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:

Site property abuts receiving water → Discharge hose from treatment system to Ten Mile 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.

See Attached.

2. For indirect discharges, 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 0.9 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)?

Chlordane, DO Saturation, Excess Alkal Growth, DO, Fecal Coliform, Organic Enrichment (sewer), Biological (Total), Ammonia Nitrate, Chlorophyll
Is there a final TMDL? Y ☐ N ☒ If yes, for which pollutant(s)?

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 criteria 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.

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:

Cumberland Farms - Attleboro

Operator signature:

Joseph Rogers

Printed Name & Title:

Joseph Rogers

Date:

9-17-2010

ATTACHMENTS

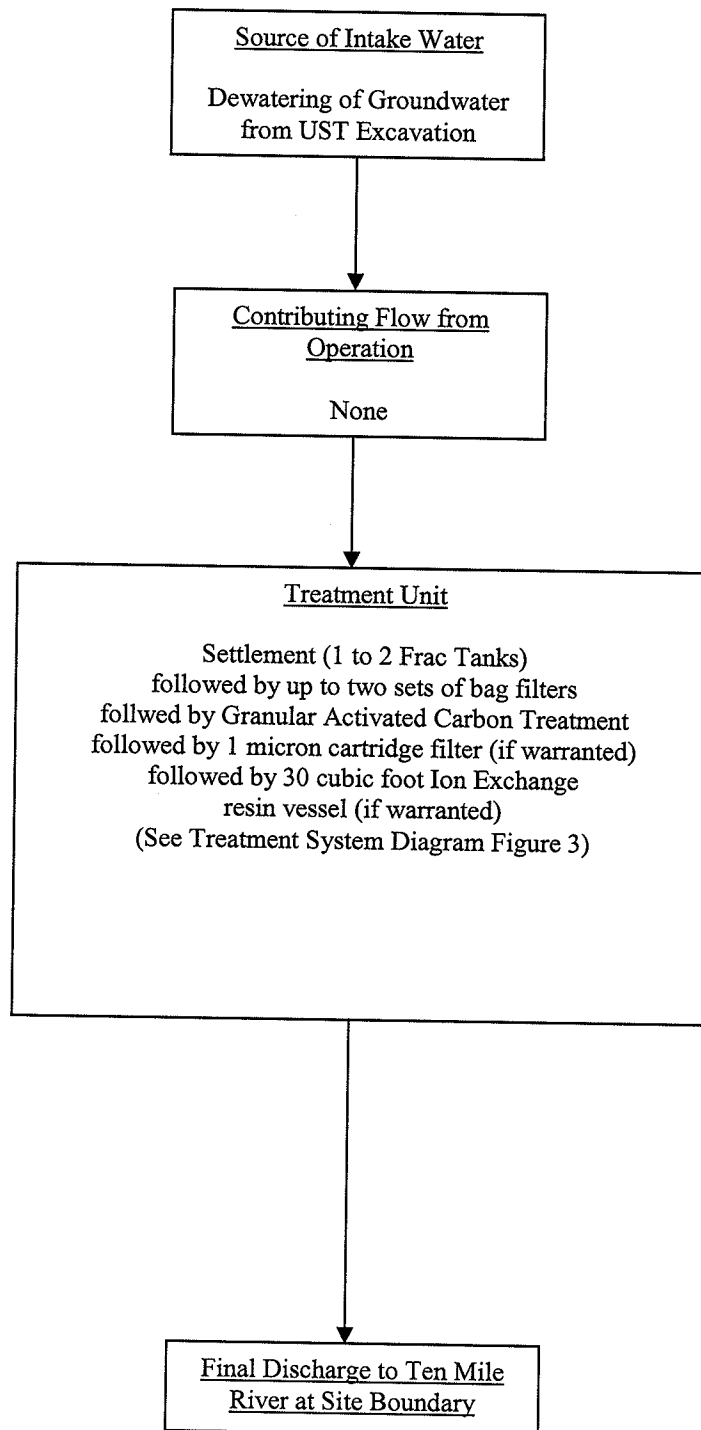
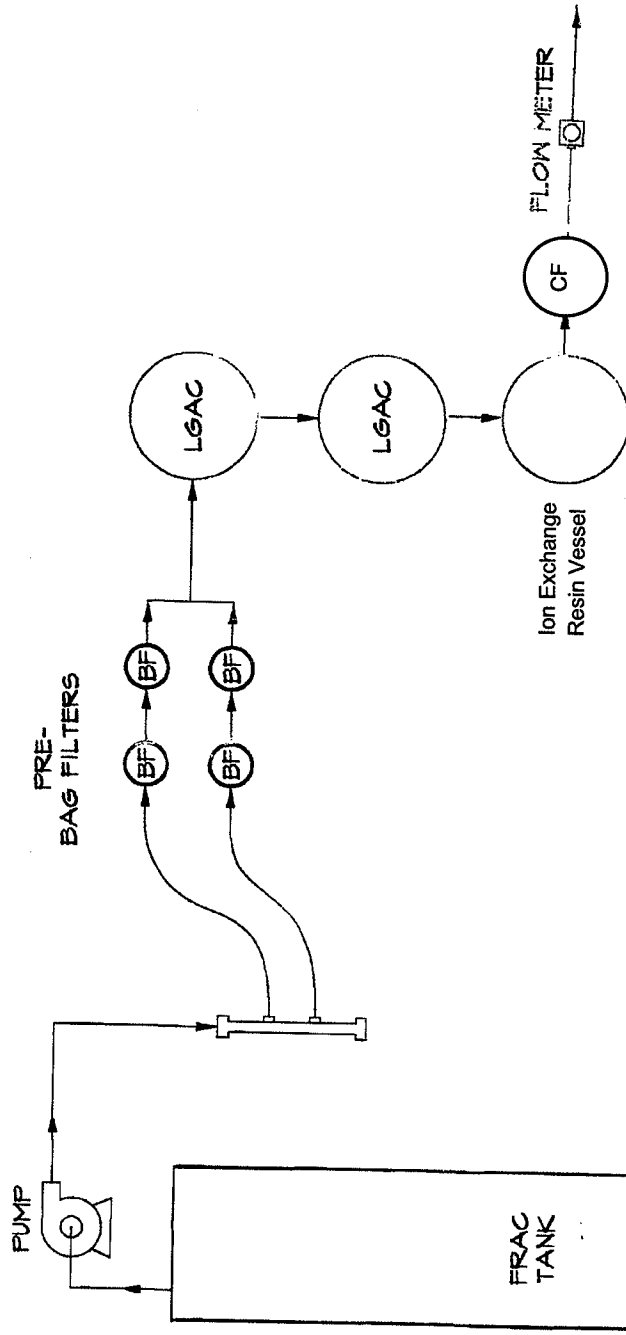


Figure Flow Schematic

60-80 County St
Attleboro, Massachusetts

Project: 95-14412.10



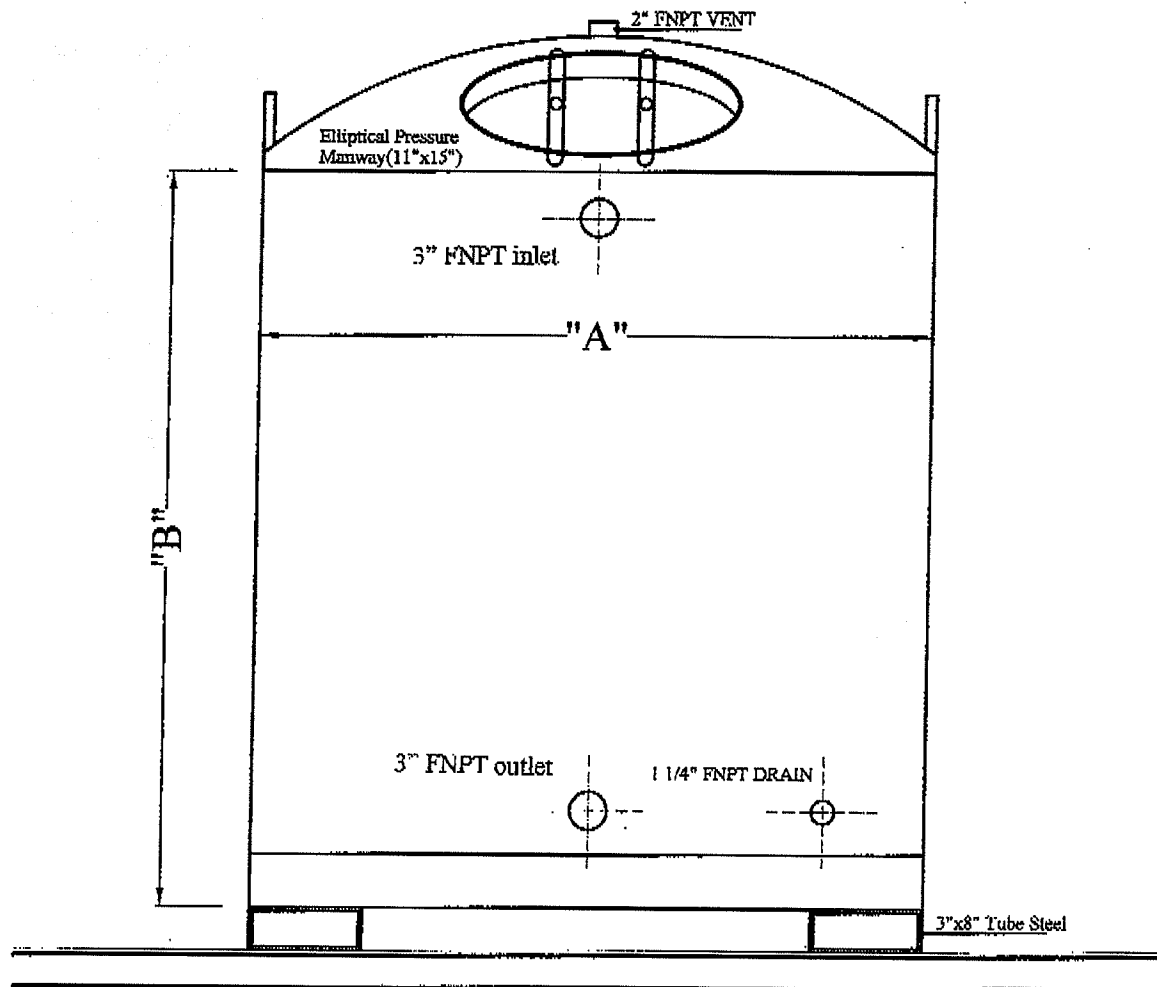
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		CAD FILE:	070712A
DRAWN BY: J.J.S		TITLE: DENATURING FILTRATION PROCESS FLOW DIAGRAM	
CHECKED BY: T.R.			
FIGURE NO:		CLIENT:	



SERVICE TECH, INC.

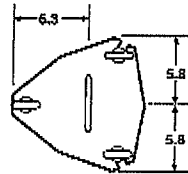
Activated Carbon Engineering Sales and Service.

High Pressure Liquid Phase Activated Carbon Adsorbers (75 PSI "HP" Series)

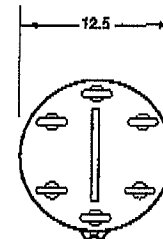


Design Specifications

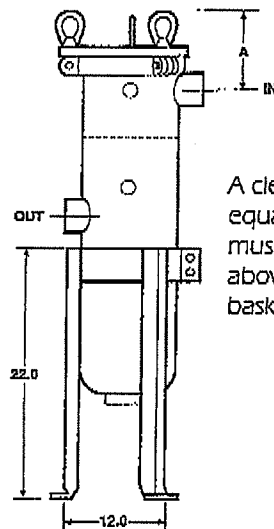
MODEL	POUNDS GAC	MAXIMUM FLOW RATE (GPM)	DIMENSIONS DIA. X HT. "A" x "B"	OVERALL HEIGHT	INLET/ OUTLET
HP500-75	500	35	36" x 50"	66"	2"
HP1000-75	1000	50	48" x 48"	66"	2"
HP1000-75	1000	50	36" x 72"	90"	2"
HP2000-75	2000	100	48" x 72"	90"	4"
HP3000-75	3000	145	60" x 72"	108"	4"

MODEL 8 BASKET STRAINER AND BAG FILTERS**Cover Types**

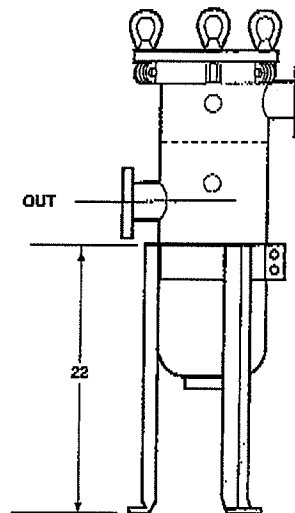
150 PSIG Design



300 PSIG Design



(2) 5/16 diameter holes on
12.0" diameter Dotted Circle

**Dimensions (IN) 150 PSIG Design**

Model	Pipe Size	A	A1	A2	B	C	D	E	F	G	G1	H	H1	L	N
8-15	2	6.6	2.9	2.9	5.9	7.5	21.2	23.5	4.9	21.0	21.0	23.2	23.2	5.0	4.06
	3	7.5	3.7	3.7	6.8	7.5	22.5	24.6	6.6	21.9	21.9	25.4	25.4	7.25	6.12
	4	7.5	3.7	5.0	6.8	8.6	22.5	25.1	8.4	21.9	20.6	26.8	25.6	9.0	7.75
	6	9.0	5.2	5.9	7.1	8.6	23.6	26.0	9.0	23.4	22.8	30.9	30.3	12.5	11.0
8-30	2	6.6	2.8	2.9	5.9	7.5	36.2	38.5	4.9	36.0	36.0	38.2	38.2	5.0	4.06
	3	7.5	3.7	3.7	6.7	7.5	37.5	39.6	6.6	36.9	36.9	40.4	40.4	7.25	6.12
	4	7.5	3.7	5.0	6.7	8.6	37.5	40.1	8.4	36.9	35.6	41.8	40.6	9.0	7.75
	6	9.0	5.2	5.9	7.1	8.6	38.6	41.0	9.0	38.4	37.8	45.9	45.3	12.5	11.0

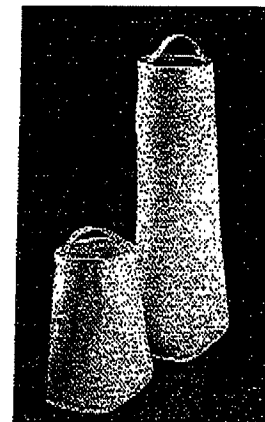
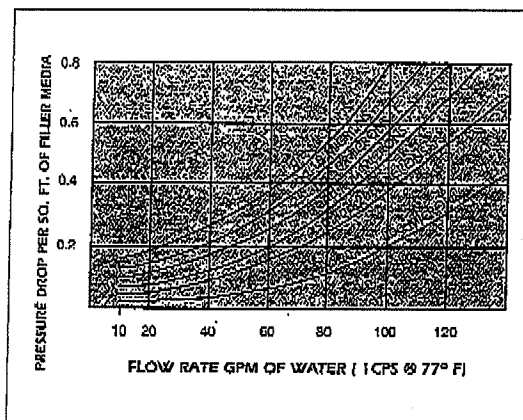
Dimensions (IN) 300 PSIG Design

Model	Pipe Size	A	A1/A2	B	C	D	E	F	G/G1	H/H1	L	N
8-15	2	7.6	3.8	5.9	7.5	21.2	23.5	4.9	21.0	23.2	5.0	4.06
	3	8.9	5.0	6.8	8.6	22.5	24.6	6.6	21.9	25.4	7.25	6.12
	4	8.9	5.0	6.8	9.6	22.5	25.1	8.4	21.9	26.8	9.0	7.75
	6	10.1	6.2	6.3	10.0	23.6	26.0	9.0	23.4	30.9	12.5	11.0
8-30	2	7.6	3.8	5.9	7.5	36.0	38.5	4.9	36.0	38.2	5.0	4.06
	3	8.9	5.0	6.8	7.5	36.7	39.6	6.6	36.9	40.4	7.25	6.12
	4	8.9	5.0	6.8	8.6	36.5	40.1	8.4	36.9	41.8	9.0	7.75
	6	10.1	6.2	7.1	8.6	38.6	41.0	9.0	38.4	45.9	12.5	11.0

H I G H C A P A C I T Y F I L T E R B A G S

Pressure Drop Data

The graph shows pressure drop through clean filter bag media of various micron ratings. The curves do not consider pressure drop through the filter housing.



Bag Size Correction

To obtain pressure drop correction for a specific bag size, divide the pressure drop obtained from the graph by the area of the bag

Viscosity Correction

If viscosity is higher than one, multiply the corrected pressure drop as obtained above by the appropriate viscosity correction factor.

Bag Size	Surface Area (sq. ft.)	Viscosity (cps)	Correction Factor
		50	4.5
		100	8.3
1	2.0	200	16.6
1 (inner)	1.6	400	27.7
2	4.4	800	50.0
2 (inner)	3.6	1000	56.7
3	0.5	1500	77.2
4	1.0	2000	113.6
7	1.8	4000	161.0
8	2.0	6000	250.0
9	3.4	8000	325.0
12	5.6	10000	430.0

Standard Fibers And Micron Ratings Available Micron Ratings

Construction Fiber	1	3	5	10	15	25	50	75	100	125	150	175	200	250	300	400	600	800
Polyester																		
Oil-Absorb (pp)																		
Polypropylene																		
Nomex (Nylon)																		
Teflon																		
Multifilament Polyester																		
Meshes Nylon																		
Monofilament Polypropylene																		
Meshes Nylon																		

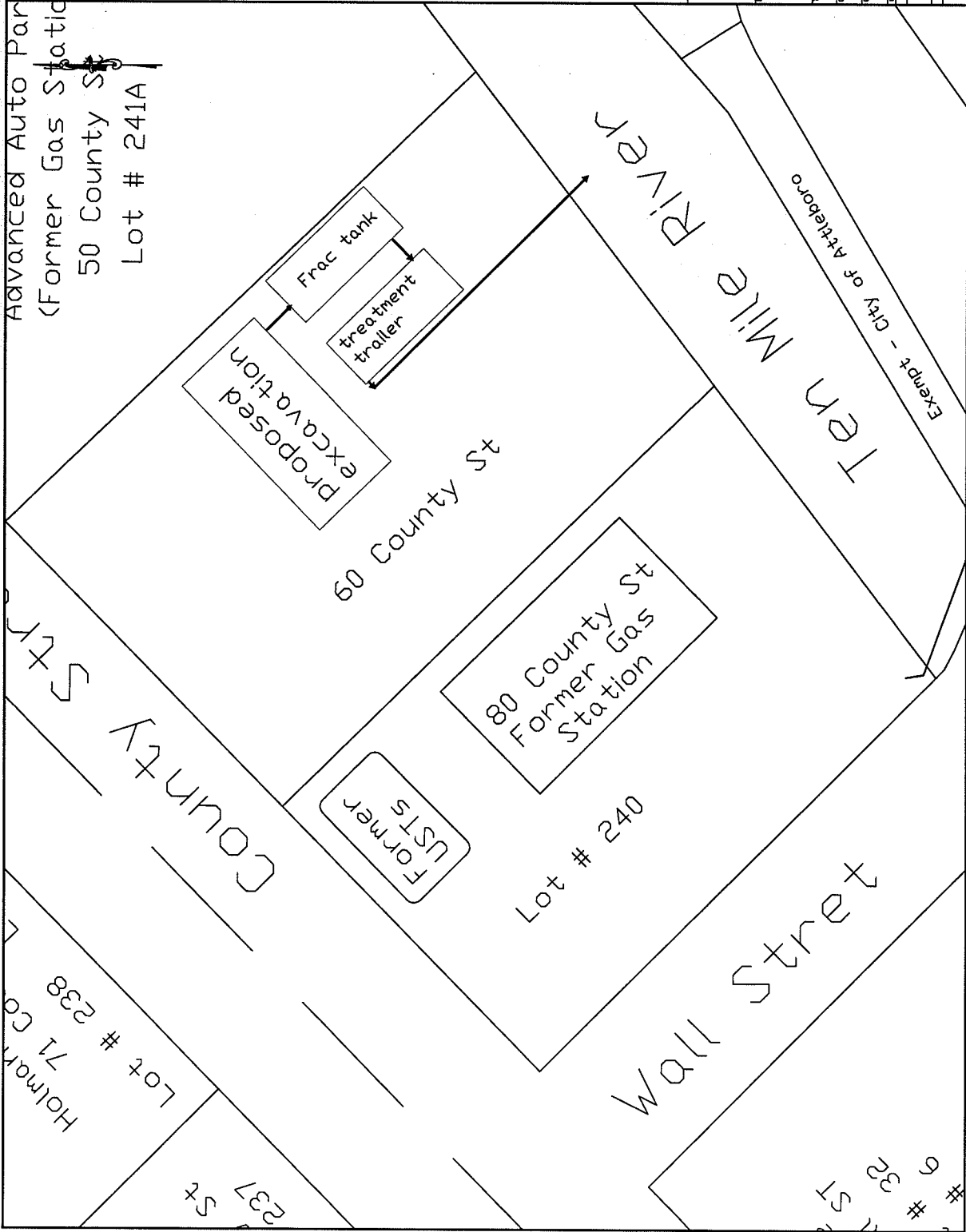
Compatibility and Temperature Limits For Standard Bag Materials*

Fiber	Organic Solvents	Animal Vegetable & Petro Oils	Micro-Organisms	Alkalies	Organic Acids	Oxidizing Agents	Mineral Acids	Temperature Limitations (max. deg. F)
Polyester	Excellent	Excellent	Excellent	Good	Good	Good	Good	325
Polypropylene	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	225
Nylon	Excellent	Excellent	Excellent	Good	Fair	Poor	Poor	325
Nomex Nylon	Excellent	Excellent	Excellent	Good	Fair	Poor	Poor	450
Teflon	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	500

* Chart is to be used as a guide. User should make tests with specific media to assure compatibility.

Filter Bag Sizes

Used on Rosedale Model No.	Bag Size	Length (inches)	Diameter (inches)	Surface Area (sq. ft.)	Bag Volume (gallons)
1-6	3	8	4.12	0.5	0.5
4-12	4	14	4.12	1.0	1.0
6-12	7	15	5.62	1.3	1.3
6-18	8	21	5.62	2.0	1.5
6-30	9	32	5.62	3.4	2.8
8-15	1	16.5	7.06	2.0	2.1
	1 (inner)	14.5	5.75	1.6	1.7
8-30	2	32	7.06	4.4	4.6
and 16 thru 36	2 (inner)	30	5.75	3.6	3.8
LCO	12	32	8.37	5.6	6.0



- Legend**
- Approximate Property Line
 - Sanitary Sewer Line
 - Storm Sewer Line
 - Water Line
 - Natural Gas Line
 - Overhead Electric Line
 - Manhole
 - Catchbasin
 - Water Gate
 - Fire Hydrant
 - Utility Pole
 - Soil Boring
 - Monitoring Well
 - ECS-1 Well I.D.

General Notes:

All locations, dimensions, and property lines shown on this plan are approximate and are based on ECS records. The City of Attleboro Assessors' Office #31 & #32. This plan should not be used for construction or land conveyance purposes.



997 Millbury Rd. Unit G • Foxborough, MA 01507
Phone: 508-548-1111 Fax: 508-548-1100

CFI # 2031
60 County Street
Attleboro, MA

SITE PLAN

Cumberland Farms, Inc.

DATE	1/13/2010	1/13/2010	1/13/2010	1/13/2010
DESIGNED BY	JVR	AK	AK	CEK
CHECKED BY	JVR	AK	AK	CEK
APPROVED BY				
SCALE	1" = 33'	DATE	JOB NO.	FRAME NO.
		March 2010	03-213627	2

MassDEP - Bureau of Waste Site Cleanup

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

Site Name:
60-80 County Street
Attleboro, MA
RTN:
NAD83 MA Coordinates:
0mE, 0mN

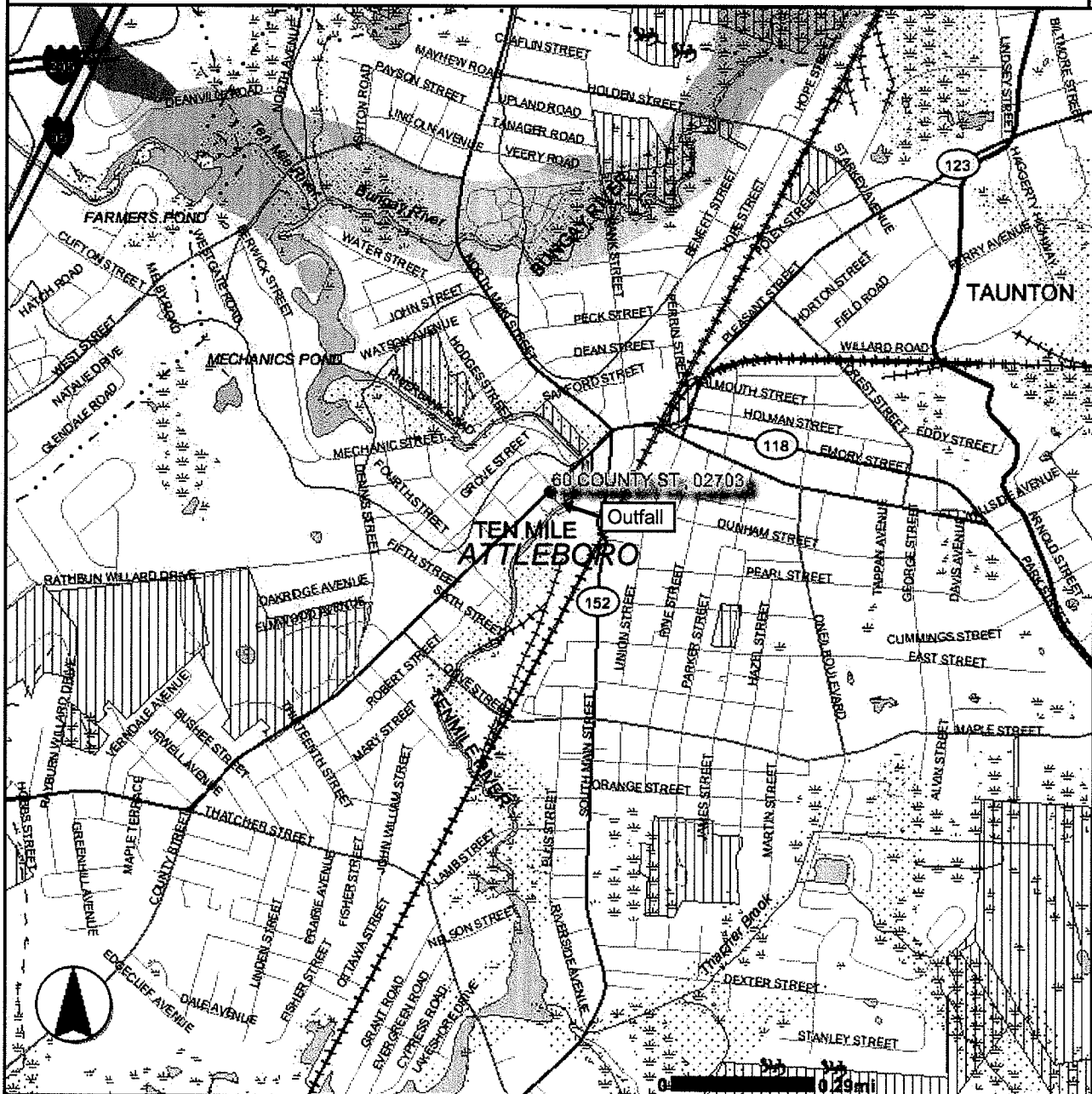
September 16, 2010



The information shown on this map is the best available at the date of printing. For more information please refer to www.mass.gov/mgis/massgis.htm



MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source.....

Non Potential Drinking Water Source Area: Medium, High (Yield)...

PWS Protection Areas: Zone II, MWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP: Est Rare Wetland Habitat, Certified Vernal Pool ...

DEP Permitted Solid Waste Landfill.....

Note: The nearest sanitary sewer line is beneath County Street.



Massachusetts StreamStats

Streamstats Ungaged Site Report

Date: Wed Sep 15 2010 14:40:15 Mountain Daylight Time

Site Location: Massachusetts

NAD27 Latitude: 41.9420 (41 56 31)

NAD27 Longitude: -71.2870 (-71 17 13)

NAD83 Latitude: 41.9421 (41 56 31)

NAD83 Longitude: -71.2865 (-71 17 11)

ReachCode: 01090004001043

Measure: 27.36

Drainage Area: 19.6 mi²

Low Flows Basin Characteristics			
100% Statewide Low Flow (19.6 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	19.6	1.61	149
Mean Basin Slope from 250K DEM (percent)	1.5	0.32	24.6
Stratified Drift per Stream Length (square mile per mile)	0.24	0	1.29
Massachusetts Region (dimensionless)	0	0	1

Probability of Perennial Flow Basin Characteristics			
100% Perennial Flow Probability (19.6 mi ²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Drainage Area (square miles)	19.6 (above max value 1.99)	0.01	1.99
Percent Underlain By Sand And Gravel (percent)	51.98	0	100
Percent Forest (percent)	38.77	0	100
Massachusetts Region (dimensionless)	0	0	1

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Low Flows Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
D50	19.9	18		12	32.7
D60	15.2	20		7.2	31.9
D70	9.97	24		4.64	21.2
D75	7.94	26		3.73	16.7
D80	6.08	28		2.65	13.7
D85	4.5	32		1.9	10.5
D90	3.32	37		1.33	8.1
D95	1.96	46		0.69	5.4
D98	1.3	60		0.4	4.04
D99	0.99	65		0.28	3.28
M7D2Y	2.21	50		0.75	6.28
AUGD50	5	33		2.08	11.8
M7D10Y	0.9	71		0.24	3.12

The equation for estimating the probability of perennial flow is applicable for most areas of Massachusetts except eastern Buzzards Bay, Cape Cod, and the Island regions. The estimate obtained from the equation assumes natural flow conditions at the site. The equation also is best used for sites with drainage areas between 0.01 to 1.99 mi², as errors beyond for basins beyond these bounds are unknown.

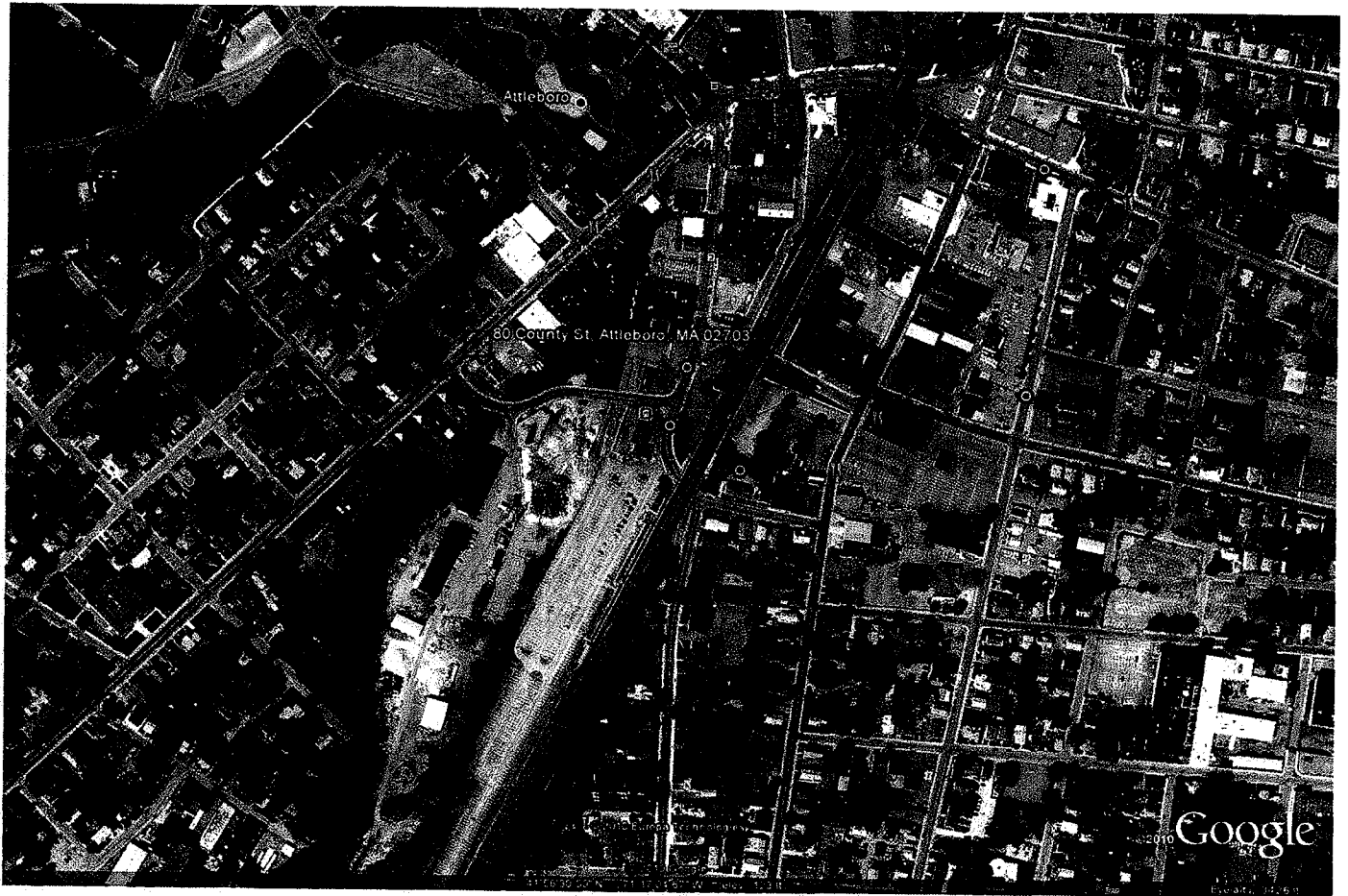
Probability of Perennial Flow Statistics		
Statistic	Value	Standard Error (percent)
PROBPEREN	1	

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

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

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

Revised 06/22/2009



Summary of Historic places in proximity to Site.