

NHGA10023

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

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

a) Name of facility/site: Atlantic Paper Mills of NH		Facility/site address:	
Location of facility/site: longitude: 42°47'25.2"N latitude: 072°27'29.6"W	Facility SIC code(s): 2621 Paper Mills	Street: 116 Lost Road	
b) Name of facility/site owner: Atlantic Paper Mills of NH, LLC		Town: Winchester	
Email address of owner:	State: NH	Zip: 03470	County: Cheshire
Telephone no. of facility/site owner: (631)232-2626			
Fax no. of facility/site owner: (631)232-3535		Owner is (check one): 1. Federal ☐ 2. State/Tribal ☐	
Address of owner (if different from site):		3. Private ☒ 4. other, if so, describe:	
Street: 325 Kennedy Drive, PO Box 12296			
Town: Hauppauge	State: NY	Zip: 11788	County:
c) Legal name of operator:	Operator telephone no: (603)336-8600		
Atlantic Paper Mills of NH, LLC	Operator fax no.: (603)336-8602		Operator email: bcaisse@atlanticpapermills.com
Operator contact name and title: Brian Caisse, Mill Manager			
Address of operator (if different from owner):		Street: PO Box 126	
Town: Ashuelot	State: NH	Zip: 03441	County: Cheshire
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: NH03I-007			
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: 198406007-LUST 2. permit or license # assigned: GWP-198406007-W-001 3. state agency contact information: name, location, and telephone number: Mr. Slava Kamauk, P.G., NH DES, WMD, ORCB, PO Box 95, Concord, NH, 03302 (603)271-7374	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y ☒ N ☐ if Y, number: NHR05A742 2. phase I or II construction storm water general permit? Y ☐ N ☒ if Y, number: 3. individual NPDES permit? Y ☒ N ☐ if Y, number: NH0001180 4. any other water quality related permit? Y ☐ N ☒ if Y, number:
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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: Groundwater and oil recovery from a 6" diameter well. Oil is pumped to a holding tank. Groundwater is pumped to a pair of settling tanks plumbed in parallel, then flows by gravity to an oil/water separator, then by gravity to a holding tank; water is pumped from holding tank through 25 micron and 5 micron bag filters plumbed in series, through two granular activated carbon units (55 gal. drum style) plumbed in series, through a flow totalizer/velocity meter, and to a storm drain that discharges to the Ashuelot River.		
b) Provide the following information about each discharge:	1) Number of discharge points: one	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u>10 gpm, 0.0223cfs</u> Average flow <u>70 gal. per day</u> 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.
3) Latitude and longitude of each discharge within 100 feet: pt.1:long. <u>42°47'25.2"N</u> lat. <u>072°27'29.8"W</u>; 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 <u>05/07/03</u> end <u>unknown</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).		

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 Sump ☐	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	☒	☐								
2. Total Residual Chlorine	☒	☐								
3. Total Petroleum Hydrocarbons	☐	☒	14	grab	8015 B	100 ug/l	3,200	2.7x10-3	1,578	3.9x10-4
4. Cyanide	☒	☐								
5. Benzene	☒	☐								
6. Toluene	☒	☐								
7. Ethylbenzene	☒	☐								
8. (m,p,o) Xylenes	☒	☐								
9. Total BTEX ⁴	☐	☒	16	grab	8260B	2 ug/l	7.64	1.9x10-5	0.48	2x10-7

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

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)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)	☒	☐								
11. Methyl-tert-Butyl Ether (MtBE)	☐	☒	13	grab	8260B	2.0	9.0	3.6x10-6	3.44	8.4x10-7
12. tert-Butyl Alcohol (TBA)	☒	☐								
13. tert-Amyl Methyl Ether (TAME)	☒	☐								
14. Naphthalene	☐	☒	19	grab	8260B	5.0	32.8	5.1x10-5	1.73	7.4x10-7
15. Carbon Tetra-chloride	☒	☐								
16. 1,4 Dichlorobenzene	☒	☐								
17. 1,2 Dichlorobenzene	☒	☐								
18. 1,3 Dichlorobenzene	☒	☐								
19. 1,1 Dichloroethane	☒	☐								
20. 1,2 Dichloroethane	☒	☐								
21. 1,1 Dichloroethylene	☒	☐								
22. cis-1,2 Dichloro-ethylene	☒	☐								
23. Dichloromethane (Methylene Chloride)	☒	☐								
24. Tetrachloroethylene	☒	☐								

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

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							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	☒	☐								
26. 1,1,2 Trichloroethane	☒	☐								
27. Trichloroethylene	☒	☐								
28. Vinyl Chloride	☒	☐								
29. Acetone	☐	☒	12	grab	8260B	10	14	3x10-6	2.25	5.5x10-7
30. 1,4 Dioxane	☒	☐								
31. Total Phenols	☒	☐								
32. Pentachlorophenol	☒	☐								
33. Total Phthalates ⁶ (Phthalate esthers)	☒	☐								
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	☒	☐								
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	☐	☐								
a. Benzo(a) Anthracene	☐	☒	19	grab	625/8270C	10 ug/l	0.18	2.8x10-7	0.01	4.1x10-9
b. Benzo(a) Pyrene	☒	☐	19							
c. Benzo(b)Fluoranthene	☒	☐	19							
d. Benzo(k) Fluoranthene	☒	☐	19							
e. Chrysene	☒	☐	19							

⁶The sum of individual phthalate compounds.

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		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	☒	☐	19							
g. Indeno(1,2,3-cd) Pyrene	☒	☐	19							
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	☐	☐								
h. Acenaphthene	☐	☒	19	grab	625/8270C	10 ug/l	2.44	3.8x10-6	0.13	5.5x10-8
i. Acenaphthylene	☒	☐	19							
j. Anthracene	☒	☐	19							
k. Benzo(ghi) Perylene	☒	☐	19							
l. Fluoranthene	☒	☐	19							
m. Fluorene	☐	☒	19	grab	625/8270C	10 ug/l	6.49	1x10-5	0.34	1.5x10-7
n. Naphthalene-	☐	☒	19	grab	625/8270C	10 ug/l	27.7	4.3x10-5	1.46	6.3x10-7
o. Phenanthrene	☐	☒	19	grab	625/8270C	10 ug/l	5.13	8x10-6	0.27	1.2x10-7
p. Pyrene	☒	☐	19							
37. Total Polychlorinated Biphenyls (PCBs)	☒	☐								
38. Antimony	☒	☐								
39. Arsenic	☒	☐								
40. Cadmium	☒	☐								
41. Chromium III	☒	☐	1	grab	3500D/6010B	5 ug/l	<5	<2.7x10-5	<5	<2.7x10-5
42. Chromium VI	☒	☐	1	grab	3500D/6010B	5 ug/l	<5	<2.7x10-5	<5	<2.7x10-5

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							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	☒	☐								
44. Lead	☒	☐								
45. Mercury	☒	☐								
46. Nickel	☒	☐	1	grab	6010B	10 ug/l	<10	<5.4x10-5	<10	<5.4*10-5
47. Selenium	☒	☐								
48. Silver	☒	☐								
49. Zinc	☒	☐	1	grab	6010B	50 ug/l	<50	<2.7x10-4	<50	<2.7*10-4
50. Iron	☐	☒	1	grab	6010B	50 ug/l	2,700	1.47x10-2	2,700	1.47x10-2
Other (describe): CARBON DISULFIDE	☒	☐	13	grab	8260B	10 ug/l	200	8x10-5	22.11	5.4x10-6

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

<i>Step 1:</i> 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? iron
<i>Step 2:</i> 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: <u>all</u> DF: <u>1,962</u>	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: See Section 2. a) of this NOI form for a description.												
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):							
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 <u>9 gpm</u> Maximum flow rate of treatment system <u>>10 gpm</u> Design flow rate of treatment system <u>10 gpm</u>												
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): <u>none</u>												

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: <u>Storm drain directly discharging to the Ashuelot River.</u>											
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 <u>Class B</u>											
e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water <u>48.6</u> 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)? <u>Mercury, as are all rivers in NH due to atmospheric deposition.</u> 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):	
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 ☐	

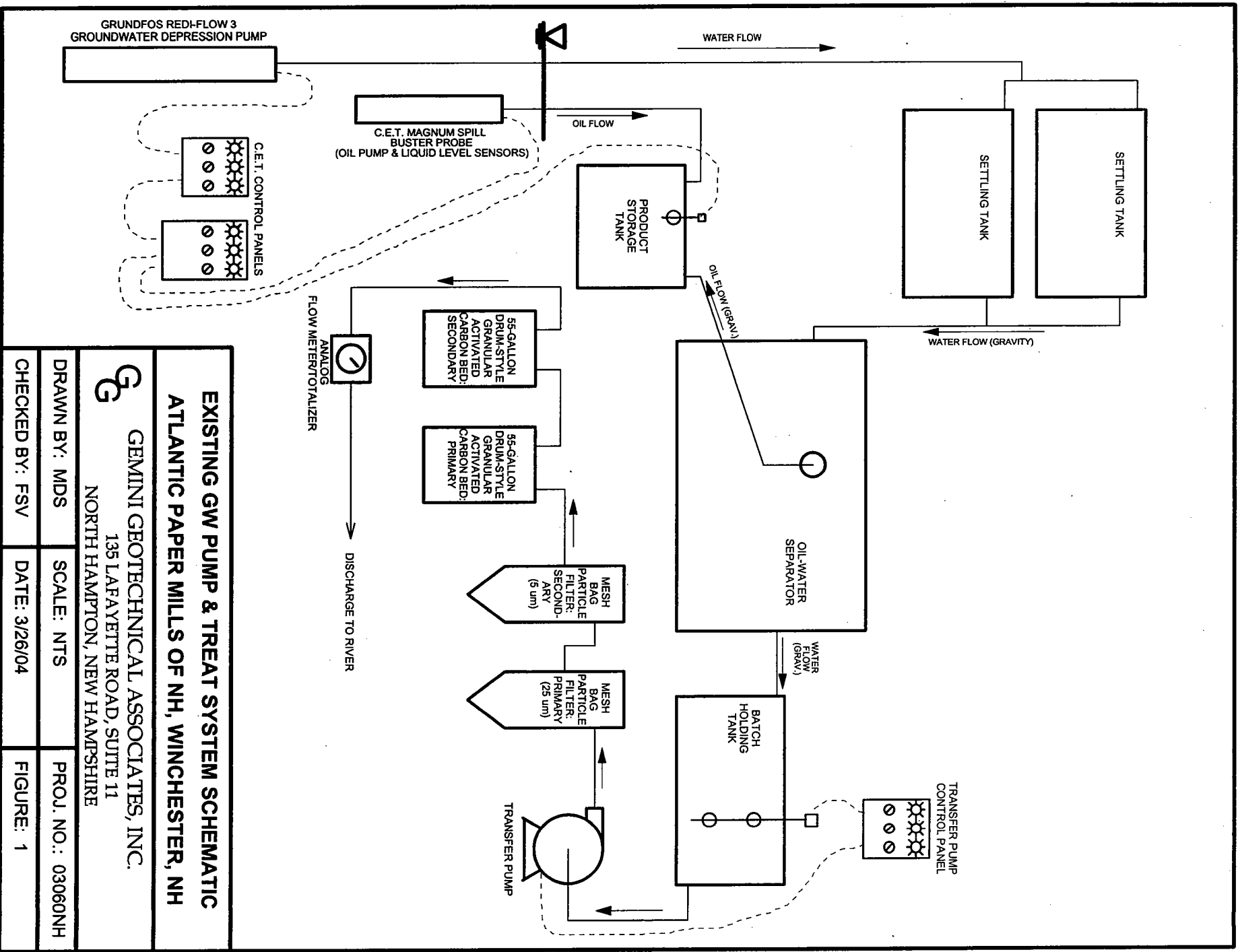
7. Supplemental information. :

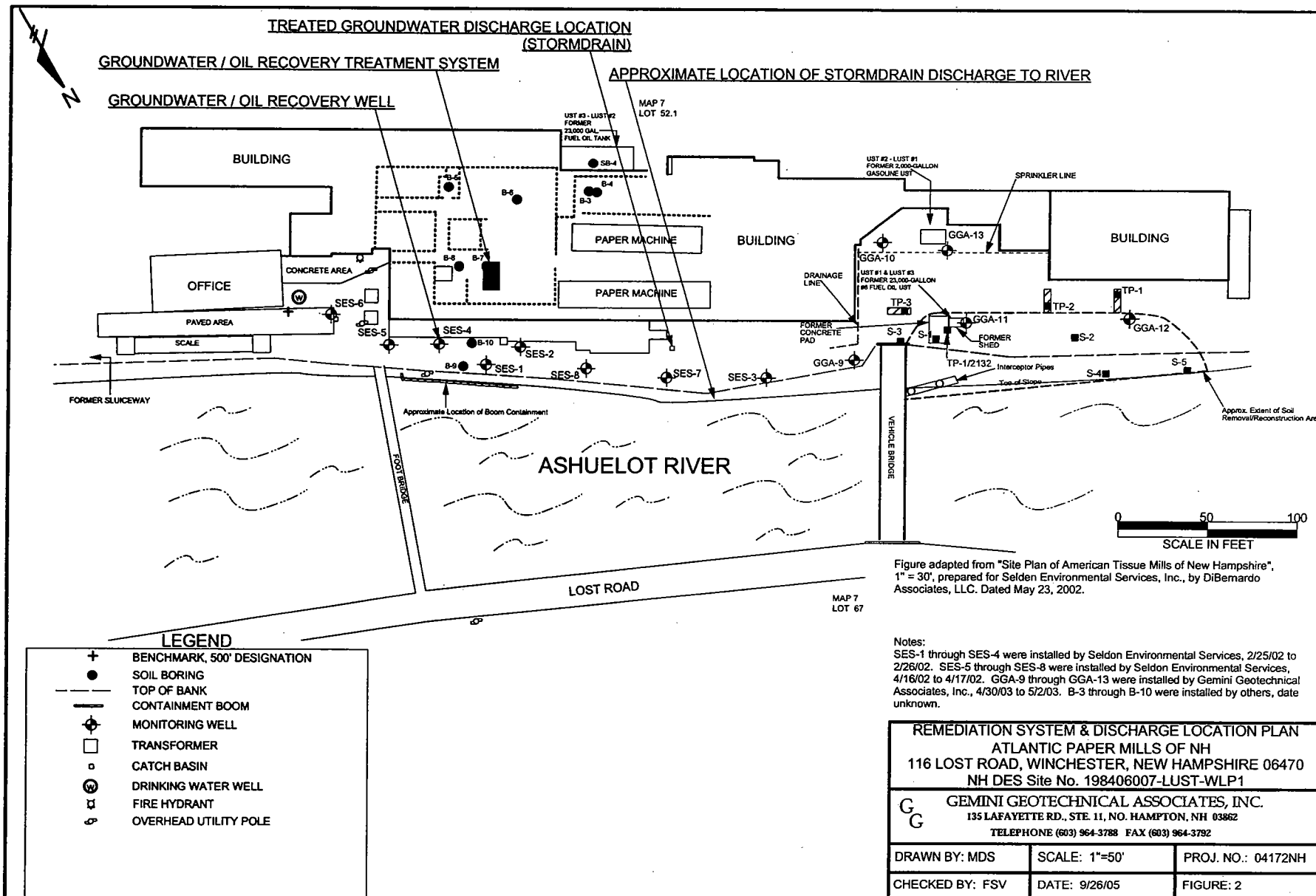
Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.
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8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance 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:	Atlantic Paper Mills of New Hampshire, LLC
Operator signature:	
Title:	Mill Manager
Date:	







GEMINI GEOTECHNICAL ASSOCIATES, INC.

September 23, 2005
GGA Proj. No. 04172NH

Geotechnical and Environmental Engineers and Consultants

U.S. Fish and Wildlife Service
70 Commercial Street, Suite 300
Concord, NH 03301-5087
ATTN: Mr. Michael Amaral, Chief, Endangered Species Section

Via Fax: (603) 223-0104

RE: Notice of Intent to discharge treated groundwater to the Ashuelot River
Atlantic Paper Mills of NH, 116 Lost Road, Winchester, NH

Dear Mr. Amaral:

On behalf of Atlantic Paper Mills of New Hampshire, LLC, I am preparing the Notice of Intent (NOI) for a Remediation General Permit under the US EPA NPDES program for their facility in Winchester, New Hampshire, along the Ashuelot River. The Permit pertains to the discharge of treated groundwater recovered as part of a fuel oil release remediation. As part of the NOI, the following question must be answered: "Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge?". The discharge is located at the facility on Lost Road, on the south bank of the Ashuelot River, at Longitude 42°47'25.2"N and latitude 072°27'29.6"W, and approximately 0.4 miles upstream of the Winchester / Hinsdale town line. I am seeking either "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".

Please contact the undersigned if you have any questions or require additional information. Thank you for your assistance.

Sincerely,
GEMINI GEOTECHNICAL ASSOCIATES, INC.

Michael D. Summerlin, Jr., P.E.
Project Manager
Senior Environmental Engineer