



PERMIT APPLICATION FOR INDUSTRIES  
(BASELINE MONITORING REPORT)

Corporate/Company Name: \_\_\_\_\_

Company Mailing Address: \_\_\_\_\_

Facility Premise Address: \_\_\_\_\_

Standard Industrial Classification (SIC) Number(s): \_\_\_\_\_

Person to Contact Concerning Information Provided:

Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Name of Owner(s): \_\_\_\_\_

Date Company Established at Premise Address: \_\_\_\_\_

*I have personally examined and am familiar with the information submitted in this document and attachments. Based on my inquiry of those individuals immediately responsible for obtaining the information reported here, I believe that the submitted information is true, accurate, and complete. Furthermore, I certify that the results of process effluent sampling and analysis submitted with this application are representative of normal work cycles and expected discharges to the sewer system.*

\_\_\_\_\_  
Signature of Company Official

\_\_\_\_\_  
Date

Note to signing official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.12 (b) & 403.14, information and data provided herein which identifies the nature and frequency of the discharge shall be available to the public without restriction. Requests for confidential treatment of information shall be governed by procedures specified in 40 CFR Part 2.

1. COMPLIANCE

If categorical pretreatment standards and/or Upper Blackstone's local limits (Appendix A) are being met, skip to Section 2. If not, answer the following questions (a & b) and attach a Compliance Schedule (Appendix B).

a. What additional operation and maintenance procedures will be required to ensure compliance with discharge standards?

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b. What additional pretreatment equipment is required to ensure compliance with discharge standards?

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2. ENVIRONMENTAL PERMITS

List all environmental permits (issued by local, state, and federal agencies) held by this facility for this operating location:

Permit Name	Issuing Agency	Effective Date	Expiration Date

3. PRODUCT OR SERVICE INFORMATION

a. Principal product or service:

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b. Raw materials used:

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c. Narrative description of manufacturing or service activities performed at facility address:

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d. Describe all water usage other than domestic, such as toilets and hand washing:

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4. EMPLOYEE INFORMATION

a. Number of shifts per workday: \_\_\_\_\_ Number of workdays per week: \_\_\_\_\_

b.

	<b>Average number of employees per shift:</b>	<b>Shift start time &amp; end time:</b>
1 <sup>st</sup>		
2 <sup>nd</sup>		
3 <sup>rd</sup>		

5. WATER CONSUMPTION

List past twelve months water usage from water bills:

<b>January through June (CCF)</b>	<b>July through December (CCF)</b>

6. PLANT OPERATION CHARACTERISTICS

- a. Are processes batch or continuous? \_\_\_\_\_
- b. Average number of batches per 24 hr. day? \_\_\_\_\_
- c. Are processes subject to seasonal variation? \_\_\_\_\_

If yes, explain indicating month(s) of peak operation and products: \_\_\_\_\_

7. DISCHARGES

- a. Total amount of wastewater flow in gal/day: \_\_\_\_\_
- b. Where does this discharge currently go to? \_\_\_\_\_
- c. List average % of discharge or water losses to:

Outlet	Estimate Average (% of total)	Average Flow (gal/day)
Municipal Sewer		
Natural (surface water-brook, etc.)		
Evaporation		
Contained in product		
Hauled Waste		

8. PRETREATMENT & PROCESS STREAM INFORMATION

- a. Number of process streams with an industrial wastewater discharge: \_\_\_\_\_
- b. Assign a sequential reference number to each process stream. Supply the following information for each. Attach additional sheets if necessary.

Process Stream No.	Process Description	Categorical Standard (yes/no)	Average Production (units/time)	Average Flow (gal/day)	Max Flow (gal/day)
1.					
2.					
3.					
4.					
5.					
6.					
7.					

- c. Describe all pretreatment processes including monitoring equipment, sampling location, etc. Attach a schematic process diagram.

9. SEWER OUTLETS

- a. List plant sewer outlets, size, and flow. If possible, use same sequential reference numbers for each sewer (starting with No.1) as in Section 8 above. If that is not possible, note which process streams are combined.

Ref. #	Sewer Size (inches)	Descriptive location of sewer connection or discharge point	Avg. Flow (gal/day)	Max. Flow (gal/day)
1.				
2.				
3.				
4.				

- b. Please attach a schematic process diagram which indicates points of discharge to the sewer system from the regulated processes. Use the same sewer outlet reference numbers on diagram as noted above.

10. LISTING OF HAZARDOUS SUBSTANCES STORED ON PREMISES

Substance	Storage Method/Container	Avg. amount stored onsite (volume, gal/lb)	Max. amount stored onsite (volume, gal/lb)

11. PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS)

Do you currently or have you ever used products which contain PFAS?      Yes              No

If yes, list products:

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12. SPILL PREVENTION

a. Does the facility have a written Spill Prevention Plan?    Yes              No

If yes, please attach.

b. Does the facility have any floor drains?    Yes              No

If yes, where do they discharge to?

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If no, describe equipment and practices used for spill prevention:

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13. LABORATORY BIOSAFETY LEVELS

a. Does the facility contain biological laboratories with designated biosafety levels determined by the US Center for Disease Control (CDC)?      Yes              No

b. If yes, indicate how many laboratories there are at each biosafety level:

Biosafety Level 1: \_\_\_\_\_      Biosafety Level 2+: \_\_\_\_\_      Biosafety Level 4: \_\_\_\_\_

Biosafety Level 2: \_\_\_\_\_      Biosafety Level 3: \_\_\_\_\_

c. Are biosafety level guidelines from the CDC's *Biosafety in Microbiological and Biomedical Laboratories (BMBL)* and the National Institutes of Health's (NIH) *Guidelines for Recombinant and Synthetic Nucleic Acid Molecules* being met for each laboratory as applicable?      Yes              No

14. LABORATORY ANALYSIS

a. All companies must complete and submit a Priority Pollutant and Local Limits Scan (Appendix C).

b. Electroplaters and Metal Finishers subject to Categorical Federal Regulations must attach an updated version not older than 5 years of the Toxic Organic Management Plan to this application.

- c. Companies subject to categorical pretreatment standards for process wastewater discharges must carefully read the General Pretreatment Regulations 40 CFR 403.

SUBMIT THIS FORM TO:

Upper Blackstone Clean Water  
50 Route 20  
Millbury, MA 01527

ATTN: Pretreatment Department  
or [pretreatment@ubcleanwater.org](mailto:pretreatment@ubcleanwater.org)



## Appendix A

### LOCAL LIMITS

(Adopted July 2015)

The following local limits are established to protect against pass-through and interference at Upper Blackstone. No industry shall discharge wastewater containing in excess of the following:

#### Maximum Limits

Aluminum	168 mg/L
Arsenic	3.7 mg/L
Beryllium	1.2 mg/L
Cadmium	0.16 lbs/day <sup>1,2</sup>
Chromium	1.3 mg/L
Copper	1.09 mg/L
Lead	1.0 mg/L
Mercury	0.03 mg/L
Nickel	8.6 mg/L
Silver	0.50 mg/L
Zinc	3.7 mg/L
Cyanide	2.0 mg/L
Total Nitrogen	325 mg/L
Total Phosphorus	715 lbs/day <sup>1,2</sup>
Fats, Oils, and Grease	225 mg/L
pH	6.5 to 11.5 s.u.

<sup>1</sup> lbs/day = local limit concentration (mg/L) X Flow (MGD) X 8.34 (conversion factor).

<sup>2</sup> Total available loading for all Industrial Users. The sum of all allocations must not exceed the total available loading for Industrial Users. Allocations are given to each Industrial Users on an individual basis.





Appendix B  
COMPLIANCE SCHEDULE

Corporate/Company Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Increment of Progress	Scheduled Commencement Date	Scheduled Completion Date
Select Engineer		
Operational and/or Maintenance Modifications		
Engineering Investigations of Plant Conditions (Industrial Process Review & Wastewater Characterization)		
Select Monitoring Equipment, Treatment Process & Design Criteria (Treatability Studies)		
Detailed Design of Treatment System (Plans & Specifications)		
Preparation of Operations and Maintenance Manual		
Select Contractor for Construction		
Commence Construction		
Pretreatment System Start-Up		

Monthly progress reports are due on the 15<sup>th</sup> of the month for the progress during the previous calendar month and must be submitted to:

Upper Blackstone Clean Water  
50 Route 20  
Millbury, MA 01527

ATTN: Pretreatment Department  
or [pretreatment@ubcleanwater.org](mailto:pretreatment@ubcleanwater.org)



Appendix C

PRIORITY POLLUTANT AND LOCAL LIMITS SCAN

Corporate/Company Name: \_\_\_\_\_

Flow: \_\_\_\_\_ Sample Date: \_\_\_\_\_

Sample and provide analysis, conducted in accordance with 40 CFR Part 136 or otherwise approved by the U.S. Environmental Protection Agency the following parameters. Laboratory data and chain-of-custody must be submitted with this completed request. Ask your lab for the lowest possible detection limits for cadmium and mercury.

<b>Volatiles – EPA Test Method 624</b>		
<b>Parameter</b>	<b>Concentration</b>	<b>Units</b>
acrolein		
acrylonitrile		
benzene		
bromoform		
bromodichloromethane		
carbon tetrachloride		
chlorobenzene		
dibromochloromethane		
chloroethane		
2-chloroethylvinyl ether		
chloroform		
1,1-dichloroethane		
1,2-dichloroethane		
1,1-dichloroethylene		
1,2-dichloropropane		
1,3-dichloropropene		
ethylbenzene		
methyl bromide (bromomethane)		
methylene chloride (chloromethane)		
methylene chloride (dichloromethane)		
1,1,2,2-tetrachloroethane		
tetrachloroethylene		
toluene		
1,2-trans-dichloroethylene		
1,1,1-trichloroethane		
1,1,2-trichloroethane		
trichloroethylene		
vinyl chloride		

<b>Bases, Acids, &amp; Neutrals – EPA Test Method 625</b>		
<b>Parameter</b>	<b>Concentration</b>	<b>Units</b>
acenaphthene		
acenaphthylene		
anthracene		
benzidine		
benzo (a) anthracene		
benzo (a) pyrene		
3,4-benzofluoranthene		
benzo (g,h,i) perylene		
benzo (k) fluoranthene		
bis (2-chloroethoxy) methane		
bis (2-chloroethyl) ether		
bis (2-chloroisopropyl) ether		
bis (2-ethylhexyl) phthalate		
4-bromophenyl phenyl ether		
butylbenzyl phthalate		
2-chloronaphthalene		
4-chlorophenyl phenyl ether		
chrysene		
1,2-dichlorobenzene		
1,3-dichlorobenzene		
1,4-dichlorobenzene		
3,3-dichlorobenzidine		
diethyl phthalate		
dimethyl phthalate		
di-n-butyl phthalate		
2,4-dinitrotoluene		
2,6-dinitrotoluene		
di-n-octyl phthalate		
1,2-diphenylhydrazine		
fluoranthene		
fluorene		
hexachlorobenzene		
hexachloroburadiene		
hexachlorocyclopentadiene		
hexachloroethane		
indeno (1,2,3-cd) pyrene		
isophorone		
naphthalene		
nitrobenzene		
N-nitrosodimethylamine		
N-nitrosodi-n-propylamine		
2-chlorophenol		
2,4-dichlorophenol		
2,4-dimethylphenol		
4,6-dinitro-o-cresol		
2,4-dinitrophenol		
2-nitrophenol		
4-nitrophenol		
p-chloro-m-cresol		

<b>Bases, Acids, &amp; Neutrals – EPA Test Method 625</b>		
<b>Parameter</b>	<b>Concentration</b>	<b>Units</b>
pentachlorophenol		
phenol		
2,4,6-trichlorophenol		
N-nitrosodiphenylamine		
phenanthrene		
pyrene		
1,2,4-trichlorobenzene		

<b>METALS, CYANIDE AND PHENOLS (totals)</b>		
<b>Parameter</b>	<b>Concentration</b>	<b>Units</b>
aluminum*		
antimony		
arsenic		
beryllium		
cadmium		
chromium		
copper		
lead		
mercury		
nickel		
selenium		
silver		
thallium		
zinc		
cyanide		
phenols		
total nitrogen*		
total phosphorus*		
F.O.G.*		
pH*		

\*Additional parameters to include local limits.

<b>Pesticides – EPA Test Method 608</b>		
<b>Parameter</b>	<b>Concentration</b>	<b>Units</b>
aldrin		
alpha-BHC		
beta-BHC		
gamma-BHC		
delta-BHC		
chlordan		
4,4-DDT		
4,4-DDE		
4,4-DDD		
dieldrin		
alpha-endosulfan		
beta-endosulfan		
endosulfan sulfate		
endrin		
endrin aldehyde		

Pesticides – EPA Test Method 608		
Parameter	Concentration	Units
heptachlor		
heptachlor epoxide		
PCB-1242		
PCB-1254		
PCB-1221		
PCB-1232		
PCB-1248		
PCB-1260		
PCB-1016		
toxaphene		

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) - EPA Test Method 1633		
Parameter	Concentration	Units
Perfluorobutanoic acid (PFBA)		
Perfluoropentanoic acid (PFPeA)		
Perfluorohexanoic acid (PFHxA)		
Perfluoroheptanoic acid (PFHpA)		
Perfluorooctanoic acid (PFOA)		
Perfluorononanoic acid (PFNA)		
Perfluorodecanoic acid (PFDA)		
Perfluoroundecanoic acid (PFUnA)		
Perfluorododecanoic acid (PFDoA)		
Perfluorotridecanoic acid (PFTrDA)		
Perfluorotetradecanoic acid (PFTeDA)		
Perfluorobutanesulfonic acid (PFBS)		
Perfluoropentanesulfonic acid (PFPeS)		
Perfluorohexanesulfonic acid (PFHxS)		
Perfluoroheptanesulfonic acid (PFHpS)		
Perfluorooctanesulfonic acid (PFOS)		
Perfluorononanesulfonic acid (PFNS)		
Perfluorodecanesulfonic acid (PFDS)		
Perfluorododecanesulfonic acid (PFDoS)		
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)		
1H,1H,2H,2H -Perfluorooctane sulfonic acid (6:2FTS)		
1H,1H,2H,2H -Perfluorodecane sulfonic acid (8:2FTS)		
Perfluorooctanesulfonamide (PFOSA)		
N-methyl perfluorooctanesulfonamide (NMeFOSA)		
N-ethyl perfluorooctanesulfonamide (NEtFOSA)		
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)		
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)		
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)		
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)		
Hexafluoropropylene oxide dimer acid (HFPO-DA)		

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) - EPA Test Method 1633		
4,8-Dioxa-3 <i>H</i> -perfluorononanoic acid (ADONA)		
Perfluoro-3-methoxypropanoic acid (PFMPA)		
Perfluoro-3-methoxybutanoic acid (PFMBA)		
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)		
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)		
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)		
3-Perfluoropropyl propanoic acid (3:3FTCA)		
2 <i>H</i> ,2 <i>H</i> ,3 <i>H</i> ,3 <i>H</i> -Perfluorooctanoic acid (5:3FTCA)		
3-Perfluoroheptyl propanoic acid (7:3FTCA)		

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