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Lewiston-Auburn Water Pollution Control Authority  
Application for Industrial Discharge Permit

Table of Contents	Pages
Section I General Information .....	2
Section II Industrial Category Information.....	3
Section III Wastewater generation and discharge information (Tables A-D).....	4-5
Confirm Water Balance.....	5
Average Daily Industrial Process Wastewater Discharged to Sewer.....	5
Combined Wastestream Formula.....	6
Section IV Process Flow/Schematic Flow Diagrams and Site Plans.....	6-7
Section V Characteristics Of Discharge .....	7
Federal Categorical Pollutants (Table 1).....	8
Local Limits (Table 2).....	9
Toxic And Reactive Gases & Vapors (Table 3) .....	10-11
Specific Pollutants (Table 4).....	12
Section VI Pretreatment Systems.....	13
Section VII Compliance Certifications.....	13-14

Lewiston-Auburn Water  
Pollution Control Authority

Application for Permit:

- New  
 Renewal  
 Modification

This form is an application to apply for a new, renew or modify a discharge permit with the Lewiston-Auburn Water Pollution Control Authority (LAWPCA).

If you have a current permit that will expire and desire to continue discharging to the public sewer system, you must submit an application for renewal between 90 and 180 days prior to that permits expiration.

If your facility has significantly changed or altered any industrial process, or significantly increased or decreased the amount of flow and pollutants discharged to LAWPCA or are applying for a new discharge permit, you will need to submit supplemental information such as process flow diagrams, chemical inventories, plant drawings, etc.

If more room is required than is provided, attach additional information.

## Section I General Information

1. **Current Discharge Permit Number:** \_\_\_\_\_ **Expiration date:** \_\_\_\_\_

2. Facility Name: \_\_\_\_\_

a. Owners Name: \_\_\_\_\_

b. Is the owner identified in 2.a. the operator of the facility?  Yes  No

If no, provide the name and address of the operator and submit a copy of the contract and/or other documents indicating the operator's scope of responsibility for the facility.

c. Person in charge of day to day operations: \_\_\_\_\_

3. Facility Street Address (actual location):

Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

4. Business Mailing Address:

Street or P.O. Box: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

5. Designated authorized representative of the facility (person who meets the definition in the Authority's rules and regulations, Section 1.4.D and who will sign periodic reports on compliance made to the Authority):

Name: \_\_\_\_\_

Title: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone #: (\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

6. Designated facility contact:

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Phone #: DAY: \_\_\_\_\_ NIGHTS/WEEKENDS: \_\_\_\_\_

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

## Section II Industrial Category Information

1. List all applicable SIC or NAICS codes for this facility, by number and description:

Code Number	Manufacturing Activity or Service
_____	_____
_____	_____
_____	_____

2. List any applicable industrial categories from EPA Effluent Guidelines  
(<http://water.epa.gov/scitech/wastetech/guide/industry.cfm>)

- Regulations Identification (e.g., 40 CFR 433 Metal Finishing)
- Check either Pretreatment Existing Source (PSES) or Pretreatment: New Source (PSNS)

Chapter 40 CFR	Effluent Limits and Guidelines	Industrial Title	PSES ___ or PSNS ___
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

### 3. PRODUCT VOLUME

List each type of product manufactured. If a job shop, indicate through-put amounts.

Example: Product: aluminum sheet metal Unit: linear sq. ft. per year

	Last Year: 2010	Current Year: 2011
Avg daily amount:	1,200 sq. ft.	1,200 sq. ft.
Max. Daily amount:	2,000 sq. ft.	2,200 sq. ft.

PRODUCT	Units	Last Year: _____		Current Year: _____	
		Average	Maximum	Average	Maximum
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

### Section III Water Usage, Wastewater Generation and Discharge

Table A. List source water information and water consumption/usage rates

Source	Consumption (average gallons per day)	Water Meter Number(s)	Estimated or measured? (E/M)
<input type="checkbox"/> Auburn or Lewiston public water supply			
<input type="checkbox"/> Other water utility			
<input type="checkbox"/> Private Well			
<input type="checkbox"/> Other:( Describe.)			
<b>Total Daily Water Usage</b>			

Table B. Volumes of process and non-process water that are NOT discharged to sewer

Description	Gallons per day (average)	Estimates or measured? (E/M)
Water that is used/retained in product		
Fire control systems		
Lawn watering/grounds keeping		
Evaporation (cooling systems)		
Humidification Systems		
Recycling/reclaimed water		
Others (describe): Include both categorical process and non-categorical wastewater streams:		
<b>Total wastewater NOT discharged to Sewer</b>		

Table C: Process Wastewaters discharged to sewer

Industrial/Service Process Description (rinses, equipment and floor wash, CIP, contact cooling water, water treatment backwash, etc.)	Average Flow (gpd)	Maximum flow (gpd)	E/M	Type of Discharge (continuous, batch)	Average Discharge days per month
<b>Total Average Daily Discharge Volume to Sewer</b>					

Table D: Non-Industrial process wastewater discharged to sewer

Non-Process/ Other Wastewater Flows	Average Flow (gpd)	Maximum flow (gpd)	E/M	Type of Discharge (continuous/batch)	Average Discharge days per month
Non-Contact Cooling Water					
Cooling Towers /Chillers (Overflow or Bleed Off)					
Industrial Boiler Blowdown					
Sanitary (bathrooms/showers/kitchens)					
Other					
<b>Total Non Process Volume Discharged to Sewer</b>					

**Confirm Water Balance**

Average Water Usage (Table A) \_\_\_\_\_ gpd - (minus)  
 Wastewater Not Discharged to Sewer (Table B) \_\_\_\_\_ gpd =  
 Average Daily Discharge to Sewer: \_\_\_\_\_ gpd

**Average Daily Industrial Process Wastewater Discharged to Sewer**

1. List average discharge per day, in gallons per day, from each permit /regulated sampling point (e.g., FAC, 001 or 002):

Sampling Point Name: \_\_\_\_\_ Average Discharge, gpd: \_\_\_\_\_  
 Sampling Point Name: \_\_\_\_\_ Average Discharge, gpd: \_\_\_\_\_

2. Provide the following information on industrial process wastewater discharges (total per day) described in Table C.

a. How many days per week, and on what days of the week, does this facility discharge Industrial process wastewater to the public sewer system? \_\_

Day	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Avg gpd discharged							

b. What are the typical hours of industrial process operation in a one day period (e.g., 6 am-5 pm)? \_\_\_\_\_

3. Describe any wastes not discharged to sewer: (continued on next page)

- Recycled wastes: \_\_\_\_\_

- Sludge: \_\_\_\_\_
- Hazardous wastes: \_\_\_\_\_
- Waste oils/universal wastes: \_\_\_\_\_
- Other: \_\_\_\_\_

**Categorical Industrial Users Only (complete one table for each categorical discharge Sampling Point)**

Name of categorical Sampling Point(s): \_\_\_\_\_

**Combined Wastestream Formula (CWF)**

Section 403.6(e) of the General Pretreatment Regulations provides two formulas to develop alternative categorical limits. One formula is used to develop an alternative concentration limit for standards that are concentration based. The other formula is used to develop an alternative mass limit for those categorical standards that are production based.

**List all wastewater streams entering Sampling Point, including process streams, sanitary, boiler blowdown, rain water, etc.**

Wastewater stream name/description	Regulated, Nonregulated or Dilution (R/N/D) <b>See 40 CFR 403.6(e)</b>	Estimated (E) or Measured (M)	Average daily Flow (gpd)

**Section IV Process Flow/Schematic Flow Diagrams and Site Plans**

When new processes or significant changes in process have been implemented since filing the last application, the Industrial User must provide copies of the most current, process flow schematics and/or site plans. Drawings must clearly define the representative and authorized sampling point(s) to be used for permit renewal. Drawings must be certified by a Maine Registered Professional Engineer.

If drawings were submitted within the previous 10 years, the Authorized Representative may, upon examination of the documents, certify that they are still current and resubmit them. (See page 7)

I certify that application drawings previously filed by this facility for permit # \_\_\_\_\_ or filed previously on \_\_\_\_\_ (date), accurately depict all of this facility's processes, wastewater piping, chemical storage and spill containment systems, pretreatment processes, and site locations included in drawing, and that this facility has not made any significant changes in industrial processes since filing its last application or application amendment with the Authority.

\_\_\_\_\_  
Signature of authorized representative

\_\_\_\_\_  
Date

## **Section V Characteristics of Discharge**

Significant Industrial Users are required to submit information and /or monitoring data on all pollutants that are regulated in either categorical standards or the Authority's Rules & Regulations. Some categorical pretreatment standards are specific to each industrial process.

***Use the tables provided in this section, on the following pages, to report the previous calendar year's analytical results for each regulated sampling point.***

If the analytical result for a pollutant is expressed as "N.D." or "trace" or a "J" number, report the result as less than (<) the laboratory's practical quantification /detection limit (numerical).  
Example: <0.01 mg/L

Federal Categorical Pollutants – Table 1

Categorical significant industrial users must complete Table 1 for each categorical process stream. A listing of categorical industries is provided in the Title 40 Code of Federal Regulations, Parts 405 thru 471.

Name of wastestream/sample point (example: 001): \_\_\_\_\_

Testing period (one calendar year if available): \_\_\_\_\_

Use/Report quantification/detection limit if all results are below detection

CATEGORICAL POLLUTANT (As Listed in the Applicable Regulations)	CATEGORICAL REPORTING UNIT	CATEGORICAL PRETREATMENT STANDARD		Maximum Daily result (value)  Maximum day for the one year period	Maximum Monthly Average During One year Period (value)	Number of analyses in the testing period
		Daily Max.	Categorical Average (if applicable)			

Special Instructions:

For Total Toxic Organics (TTO), report total result as required in the standard. Attach a listing of Toxic Organics detected, and the average amount per day for the period for each parameter.



Local Limits Table 2

Complete Table 2 for each regulated wastewater Sampling Point/discharge point to the Authority.

If your facility did not analyze its discharge for a particular pollutant, enter “NT” in the column for “Daily Average.”

Use < (symbol of less than) in cases of Non-Detected parameters and report Limit of Quantification (LOQ)

When averaging, use the Limit of Quantification (LOQ) as a reportable number for a result reported as below detection.

Name of Sample Point: \_\_\_\_\_ testing period dates (one year if available): \_\_\_\_\_

<b>POLLUTANT</b>	<b>REPORTING UNITS</b>	<b>DAILY MAXIMUM</b> (highest value, except for pH minimum)	<b>DAILY AVERAGE</b> (average of all values)	<b>Number of tests/analyses in this period</b>
Ammonia (N)	Milligrams per Liter			
Biochemical Oxygen Demand (BOD 5)	Milligrams per Liter			
Chemical Oxygen Demand (COD)	Milligrams per Liter			
Closed Cup Flashpoint	Degrees Fahrenheit			
Total Oil & Grease	Milligrams per Liter			
Non-Polar Oil & Grease	Milligrams per Liter			
pH (maximum value)	Standard Units			
pH (minimum value)	Standard Units			
Temperature	Degrees Fahrenheit			
Total aluminum	Milligrams per Liter			
Total arsenic	Milligrams per Liter			
Total cadmium	Milligrams per Liter			
Total chromium	Milligrams per Liter			
Total copper	Milligrams per Liter			
Total cyanide	Milligrams per Liter			
Total lead	Milligrams per Liter			
Total mercury (composite)	Milligrams per Liter			
Low level mercury (1631)	Nanograms per Liter			
Total molybdenum	Milligrams per Liter			
Total nickel	Milligrams per Liter			
Total reactive phosphorous	Milligrams per Liter			
Total selenium	Milligrams per Liter			
Total silver	Milligrams per Liter			
Total Suspended Solids (TSS)	Milligrams per Liter			
Total zinc	Milligrams per Liter			

Toxic and Reactive Gases & Vapors (TRGV)

Toxic and Reactive Gases and Vapors are listed in Section 2.3 (A) (1) (d) and 3.4 (B) of the Authority’s rules and regulations. These pollutants have been identified as having the characteristic of explosivity or toxicity, and thereby creating a potential hazard to sewer workers.

Option A: If none are used or stored at the facility, the Authorized Representative may so certify. (Baseline test may be required.)

I certify that this facility does not use or store or discharge any pollutant identified by the Authority as “Toxic and Reactive Gases and Vapors” in either Section 2.3. (A)(1)(d) Or Section 3.4(B) of the Authority’s Rules and Regulations Governing the Discharge of Water and Wastes.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Authorized Representative

Option B:

If the user uses or stores or discharges any TRGV pollutant not previously reported or analyzed, or has changed its processes so that TRGV pollutants may be discharged, a baseline test for the pollutants must be performed and the results submitted with this application.

Option C:

When the user tests periodically for one or more TRGV pollutants, summarize test results for the past year in Table 3.

Table 3: TRGV Pollutants

Name of discharge point /sample point: \_\_\_\_\_ Testing Period (one year) \_\_\_\_\_

POLLUTANT	Reporting Unit	Maximum Value	Average Value	# of Analyses	Analytical method used
Acrylonitrile					
Benzene					
Bromomethane					
Carbon disulfide					
Chlorobenzene					
Chloroethane					
Chloromethane					
1,2-dichlorobenzene					

POLLUTANT	Reporting Unit	Maximum Value	Average Value	# of Analyses	Analytical method used
1,3-dichlorobenzene					
1,4-dichlorobenzene					
1,1-dichloroethane					
1,2 dichloroethylene					
trans 1, dichloroethylene					
1,2 Dichloropropane					
1,3 Dichloropropane					
Ethyl benzene					
Ethylene dichloride					
Formaldehyde					
Methylene chloride					
Methyl ethyl ketone (2-butanone)					
Naphthalene					
Nitrobenzene					
Phenol					
Toluene					
1,2,4 trichlorobenzene					
1,1,1 trichloroethane					
Trichloroethylene					
Vinyl chloride					
Vinylidene chloride					

**Specific Pollutants – Table 4**

Some Significant Industrial Users are required to pretreat and monitor for specific pollutants. Some Significant Industrial Users have been assigned equivalent or alternative standards, including mass based standards.

Significant Industrial Users with alternative specific limits and/or pretreatment standards must complete the following table.

POLLUTANT	REPORTING UNITS (e.g., Pounds per Day, mg/L)	<b>DAILY MAXIMUM (VALUE)</b>	<b>DAILY AVERAGE (VALUE)</b>	Number of Analyses in this Period	EPA Method Used (40 CFR 136 or equivalent*)

\* If no published (40 CFR 136) method exists for the analyte (pollutant), the SIU must consult with its laboratory and the LAWPCA to determine an appropriate method.

## Section VI Pretreatment Systems

1. Describe the current pollutant loadings, flow rates, and operating procedures for each wastewater pretreatment process in operation. Attach additional sheets, if necessary.

Pretreatment process description	Flow treated (gpd)	Target Pollutant(s) to be reduced/eliminated	per cent removal influent /effluent	Residuals Type (sludge, or other)

***If there have been any changes since the last application,*** attach a process flow diagram for the altered pretreatment system or the entire treatment system, including process equipment, design capacity, physical size and by-products (sludge) treatment methods.

2. Pretreatment Systems Operator (supply information on the person in charge of pretreatment)  
 Name: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 Work place phone: \_\_\_\_\_
3. Does the applicant (facility) possess a manual for the proper operation of its wastewater pretreatment system and/or equipment (e.g. an O & M manual)?  Yes  No
4. Does the applicant (facility) keep written maintenance records for all critical components of its wastewater pretreatment equipment (e.g., flow meter, pH monitors, and overflow alarms)?  
 Yes  No

## Section VII Compliance Certifications

1. Is this facility meeting all applicable federal, state or local pretreatment standards and requirements on a consistent basis?  Yes  No

If No, describe the additional operations and maintenance procedures being considered to bring the facility into compliance

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2. Provide a schedule of activities (hiring an engineer, purchasing equipment, construction, implementation, etc.) for bringing the facility into compliance. Specify major events planned

along with projected completion dates. Please note that when the Authority issues a permit to the applicant, it may be necessary to establish a schedule for compliance different from the one submitted by the facility in this application.

Milestone Activity	Completion Date
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

3. Authorized Representative Statement:

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, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

\_\_\_\_\_  
Name (print or type) Title

\_\_\_\_\_  
Signature Date