INDUSTRIAL USER PERMIT APPLICATION

Note: Please read all attached instructions prior to completing this application.

SECTION A – GENERAL INFORMATION

1.	Facility Name:			
	a. Operator Name:			
	b. Is the operator identified in 1.a., the owner 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.			
2.	Facility Address: Street:			
	City:	State:	Zip:	
3.	Business Mailing Address: Street or P.O. Box:			
	City:	State:	Zip:	
4.	Designated signatory authority of the facility: [Attach similar information for each authorized representative]			
	Name:			
	Title:			
	Address:			
	City:	State:	Zip:	
	Phone #			
5.	Designated facility contact:			
	Name:			
	Title:			
	Phone #			

SECTION B – BUSINESS ACTIVITY

1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), place a check beside the category of business activity (check all that apply).

	Industrial Categories
☐	Aluminum Forming
☐	Asbestos Manufacturing
☐	Battery Manufacturing
☐	Can Making
☐	Canned and Preserved Fruit and Vegetable Processing
☐	Canned and Preserved Seafood
☐	Carbon Black Manufacturing
☐	Cement Manufacturing
☐	Centralized Waste Treatment
☐	Coal Mining
☐	Coil Coating
☐	Concentrated Animal Feeding Operation and Feedlots
☐	Concentration Aquatic Animal Production
☐	Copper Forming
☐	Dairy Product Processing or Manufacturing
☐	Electric and Electronic Components Manufacturing
☐	Electroplating
☐	Explosives Manufacturing
☐	Fertilizer Manufacturing
☐	Ferroalloy Manufacturing
☐	Foundries (Metal Molding and Casting)
☐	Glass Manufacturing
☐	Grain Mills
☐	Gum and Wood Chemicals Manufacturing
☐	Hospital
☐	Ink Formulation
☐	Inorganic Chemicals
☐	Iron and Steel
☐	Landfill
☐	Leather Tanning and Finishing
☐	Meat and Poultry Products
☐	Metal Finishing
☐	Metal Products and Machinery
☐	Mineral Mining and Processing
☐	Nonferrous Metals Forming
☐	Nonferrous Metals Manufacturing
☐	Oil and Gas Extraction
☐	Ore Mining
☐	Organic Chemicals Manufacturing
☐	Paint and Ink Formulating

- ☐ Paving and Roofing Manufacturing
- ☐ Pesticides Chemical Manufacturing, Formulating, and/or Packaging
- ☐ Petroleum Refining
- ☐ Pharmaceutical Manufacturing
- ☐ Phosphate Manufacturing
- ☐ Photographic Processing
- ☐ Plastic and Synthetic Materials Manufacturing
- ☐ Porcelain Enameling
- ☐ Printed Circuit Board Manufacturing
- ☐ Pulp, Paper, and Fiberboard Manufacturing
- ☐ Rubber Manufacturing
- ☐ Soap and Detergent Manufacturing
- ☐ Steam Electric Power Generating
- ☐ Sugar Processing
- ☐ Textile Mills
- ☐ Timber Products
- ☐ Transportation Equipment Cleaning
- ☐ Waste Combustors
- ☐ Other (Describe)

2. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

3. Indicate applicable North American Industry Classification System (NAICS) and Standard Industrial Classification Codes (SIC) for all processes:

NAICS		SIC			
NAICS		SIC			
NAICS		SIC			
NAICS		SIC			

4. Production Rate

Product	Past Calendar Year Amounts per Day (Daily Units)		Estimate This Calendar Year Amounts Per Day (Daily Units)	
	Average	Maximum	Average	Maximum

5. For production-based categorical IUs only:

What is the facility's long-term average categorical production rate for the past 5 years?

SECTION C – WATER SUPPLY

1.	Water Sources: (Check as many as are applicable.)			
		Private Well		
		Surface Water		
		Municipal Water Utility (Specify Utility)		
		Other (Specify):		
2.	Name (as listed on the water bill):			
	Street:			
	City:		State:	Zip:
3.	Water service account number:			
4.	List average water usage on premises: [new facilities may estimate]			
		Type	Average Water Usage (GPD)	Indicate Estimated (E) or Measured (M)
	a.	Contact cooling water		
	b.	Non-contact cooling water		
	c.	Boiler feeding		
	d.	Process		
	e.	Sanitary		
	f.	Air pollution control		
	g.	Contained in product		
	h.	Plant and equipment washdown		
	i.	Irrigation and lawn watering		
	j.	Other		
	k.	Total of a through j		

SECTION D – SEWER INFORMATION

1. a. For an existing business:
Is the building presently connected to the public sanitary sewer system?

Yes	Sanitary sewer account number—		
No	Have you applied for a sanitary sewer hookup?	Yes	No

b. For a new business:

(i).	Will you be occupying an existing vacant building (such as in an industrial park)?	Yes	No
(ii).	Have you applied for a building permit if a new facility will be constructed?	Yes	No
(iii).	Will you be connected to the public sanitary sewer system?	Yes	No

2. List size, descriptive location, and flow of each discharge pipe or discharge point which connects to the public sewer system. (If more than three, attach additional information on another sheet.)

Descriptive Location of Sewer Connection or Discharge Point	Average Flow (GPD)

SECTION E – WASTEWATER DISCHARGE INFORMATION

1.	Does (or will) this facility discharge any wastewater other than from restrooms to the public sewer?						
	Yes	If the answer to this question is "yes," complete the remainder of the application.					
	No	If the answer to this question is "no," skip to Section I.					
2.	Provide the following information on wastewater flow rate. [New facilities may estimate.]						
	a. Hours/day discharged (e.g., 8 hours/day)						
	M	T	W	TH	F	SAT	SUN
	b. Hours of discharge (e.g., 9 a.m. to 5 p.m.)						
	M	T	W	TH	F	SAT	SUN
	c. Peak hourly flow rate	(GPD)					
	d. Maximum daily flow rate	(GPD)					
	e. Annual daily average	(GPD)					
3.	If batch discharge occurs or will occur, indicate: [New facilities may estimate.]						
	a. Number of batch discharges	(per day)					
	b. Average discharge per batch	(GPD)					
	c. Time of batch discharges	(days of week)	(hours of day)				
	d. Flow rate	(gallons per minute)					
	e. Percent of total discharge						

4.	Schematic Flow Diagram – For each major activity in which wastewater is or will be generated, draw a diagram of the **flow of materials, products, water, and wastewater** from the start of the activity to its completion, showing all unit processes. Indicate which processes use water and which generate wastestreams. Include the average daily volume and maximum daily volume of each wastestream [new facilities may estimate]. If estimates are used for flow data this **must** be indicated. **Number each unit process** having wastewater discharges to the community sewer. Use these numbers when showing this unit processes in the building layout in Section H.

5. List average wastewater discharge, maximum discharge, and type of discharge (batch, continuous, or both), for each plant process. Include the reference number from the process schematic that corresponds to each process. [New faculties should provide estimates for each discharge].

No.	Process Description	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (batch, continuous, none)

6. List the average wastewater discharge, maximum discharge, and type of discharge (batch, continuous, or both) for each of nonprocess wastewater flows (i.e., cooling tower blowdown, boiler blowdown)

No.	Nonprocess Description	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (bath, continuous, none)

7. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow equipment at this facility?

		Yes	No	N/A
Current	Flow Metering			
	Sampling Equipment			
Planned	Flow Metering			
	Sampling Equipment			

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

8. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics? Consider production processes as well as air or water pollution treatment processes that may affect the discharge.

	Yes
	No, (skip to Question 10)

9.	Briefly describe these changes and their effects on the wastewater volume and characteristics: (attach additional sheets if needed).	
10.	Are any recycling or reclamation system in use or planned?	
		Yes
		No (skip to Question 12)
11.	Briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process (attach additional sheets if needed):	

SECTION F – CHARACTERISTICS OF DISCHARGE

All current industrial users are required to submit monitoring data on all pollutants that are regulated specific to each process. Use the tables provided in this section to report the analytical results. **Do not leave blanks.** For all other (nonregulated) pollutants, indicate whether the pollutant is known to be present (P), suspected to be present (S), or known not to be present (O), by placing the appropriate letter in the column for average reported values. Indicate on either the top of each table, or on a separate sheet, if necessary, the sample location and type of analysis used. Be sure methods conform to 40 CFR Part 136; if they do not, indicate what method was used.

New dischargers should use the table to indicate what pollutants will be present or are suspected to be present in proposed wastestreams by placing a P (expected to be present), S (may be present), or O (will not be present) under the average reported values.

Pollutant	Detection Level Used	Maximum Daily Value		Average of Analyses		Number of Analyses	Units	
		Conc.	Mass	Conc.	Mass		Conc.	Mass
Acenaphthene								
Acrolein								
Acrylonitrile								
Benzene								
Benzidine								
Carbon Tetrachloride								
Chlorobenzene								
1,2,4-Trichlorobenzene								
Hexachlorobenzene								
1,2-Dichloroethane								
1,1,1-Trichloroethane								
1,1,2,2,-Tetrachloroethane								
Chloroethane								
Bis(2-Chloroethyl)ether								
17 Bis (chloro methyl) ether								
2-Chloroethyl vinyl Ether								
2-Chloronaphthalene								
2,4,6-Trichlorophenol								
Parachlorometa cresol								
Chloroform								
2-Chlorophenol								
1,2-Dichlorobenzene								
1,3-Dichlorobenzene								
1,4-Dichlorobenzene								
3,3'-Dichlorobenzidine								
1,1-Dichloroethylene								
1,2-Trans-Dichloroethylene								
2,4-Dichlorophenol								
1,2-Dichloropropane								
1,2-Dichloropropylene								
1,3-Dichloropropylene								
2,4-Dimethylphenol								
2,4-Dinitrotoluene								
2,6-Dinitrotoluene								
1,2-Diphenylhydrazine								
Ethylbenzene								
Fluoranthene								

Pollutant	Detection Level Used	Maximum Daily Value		Average of Analyses		Number of Analyses	Units	
		Conc.	Mass	Conc.	Mass		Conc.	Mass
4-Chlorophenyl Phenyl Ether								
4-Bromophenyl Phenyl Ether								
Bis(2-Chloroethyl)ether								
Bis(2-chloroethoxy)methane								
Methylene Chloride								
Methyl Chloride								
Bromoform								
Dichlorobromomethane								
Chlorodibromomethane								
Hexachlorobutadiene								
Hexachlorocyclopentadiene								
Isophorone								
Naphthalene								
Nitrobenzene								
Nitrophenol								
2-Nitrophenol								
4-Nitrophenol								
2,4-Dinitrophenol								
4,6-Dinitro-O-Cresol								
N-Nitrosodimethylamine								
N-Nitrosodiphenylamine								
N-Nitrosodi-N-Propylamine								
Pentachlorophenol								
Phenol								
Bis(2-ethylyhexyl)phthalate								
Butylbenzyl Phthalate								
Di-N-Butyl Phthalate								
Di-N-Octyl Phthalate								
Diethyl Phthalate								
Dimethyl Phthalate								
Benzo(a)anthracene								
Benzo(a)pyrene								
3,4-Benzofluoranthene								
Benzo(k)fluoranthene								
Chrysene								
Acenaphthylene								
Anthracene								
Benzo(ghi)perylene								
Fluorene								
Phenanthrene								
Dibenzo(a,h)anthracene								
Indeno(1,2,3-cd)pyrene								
Pyrene								
Tetrachloroethylene								
Toluene								
Trichloroethylene								
Vinyl Chloride								
Aldrin								
Dieldrin								
Chlordane								
4,4'-DDT								
4,4'-DDE								

Pollutant	Detection Level Used	Maximum Daily Value		Average of Analyses		Number of Analyses	Units	
		Conc.	Mass	Conc.	Mass		Conc.	Mass
4,4'-DDD								
Alpha-Endosulfan								
Beta-Endosulfan								
Endosulfan Sulfate								
Endrin								
Endrin Aldehyde								
Heptachlor								
Heptachlor Epoxide								
Alpha-BHC								
Beta-BHC								
Gamma-BHC								
Delta-BHC								
PCB-1242								
PCB-1254								
PCB-1221								
PCB-1232								
PCB-1248								
PCB-1260								
PCB-1016								
Toxaphene								
(TCDD)								
Asbestos								
Acidity								
Alkalinity								
Bacteria								
BOD_3								
Chloride								
Chlorine								
Fluoride								
Hardness								
Magnesium								
NH_3-N								
Oil and Grease								
TSS								
TOC								
Kjeldahl N								
Nitrate N								
Nitrite N								
Organic N								
Orthophosphate P								
Phosphorous								
Sodium								
Specific Conductivity								
Sulfate (SO_4)								
Sulfide (S)								
Sulfite (SO_3)								
Antimony								
Arsenic								
Barium								
Beryllium								
Cadmium								
Chromium								

Pollutant	Detection Level Used	Maximum Daily Value		Average of Analyses		Number of Analyses	Units	
		Conc.	Mass	Conc.	Mass		Conc.	Mass
Copper								
Cyanide								
Lead								
Mercury								
Nickel								
Selenium								
Silver								
Thallium								
Zinc								
Any additional pollutants regulated by state or local laws:								
CBOD5								
Iron								
MBAS								
Total Phenolics								
COD								

SECTION G - TREATMENT

1.	Is any form of wastewater treatment (see list below) practiced at this facility?	
	☐	Yes
	☐	No
2.	Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?	
	☐	Yes, describe:
	☐	No
3.	Treatment devices or processes used or proposed for treating wastewater or sludge (check as many as appropriate).	
	☐	Air flotation
	☐	Centrifuge
	☐	Chemical precipitation
	☐	Chlorination
	☐	Cyclone
	☐	Filtration
	☐	Flow equalization
	☐	Grease or oil separation, type:
	☐	Grease trap
	☐	Grinding filter
	☐	Grit removal
	☐	Ion exchange
	☐	Neutralization, pH correction
	☐	Ozonation
	☐	Reverse osmosis
	☐	Screen
	☐	Sedimentation
	☐	Septic tank
	☐	Solvent separation
	☐	Spill protection
	☐	Sump
	☐	Rainwater diversion or storage
	☐	Biological treatment, type:
	☐	Other chemical treatment, type:
	☐	Other physical treatment, type:
	☐	Other, type:
4.	Is process wastewater mixed with nonprocess wastewater prior to the sampling point?	
	☐	Yes, describe:
	☐	No

4.	Description Describe the pollutant loadings, flow rates, design capacity, physical size, and operating procedures of each treatment facility checked above.		
5.	Attach a process flow diagram for each existing treatment system. Include process equipment, by-products, by-product disposal method, waste and by-product volumes, and design and operating conditions.		
6.	Describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the sanitary sewer. Please include estimated completion dates.		
7.	Do you have a treatment operator?	Yes	No
	(If Yes) Name:		
	Title:		
	Phone:		
	Full time (specify hours):		
	Part time (specify hours):		
8.	Do you have a manual on the correct operation of your treatment equipment?	Yes	No
9.	Do you have written maintenance schedule for your treatment equipment?	Yes	No

SECTION H – FACILITY OPERATIONAL CHARACTERISTICS

1. Shift Information

		Mon	Tues	Wed	Thur	Fri	Sat	Sun
Work days								
Shifts per work day								
Employees per shift	1st							
	2nd							
	3rd							
Shift start and end times	1st							
	2nd							
	3rd							

2. Indicate whether the business activity is:

☐ Continuous through the year, or

☐ Seasonal (circle the months of the year during which the business occurs):

J F M A M J J A S O N D

Comments:

3. Indicate whether the facility discharge is:

☐ Continuous through the year, or

☐ Seasonal (circle the months of the year during which the business occurs):

J F M A M J J A S O N D

Comments:

4. Does operation shut down for vacation, maintenance, or other reasons?

☐ Yes, indicate reasons and period when shutdown occurs

☐ No

5. List types and amounts (mass or volume per day) of raw materials used or planned for use (attach list if needed):

6. List types and quantity of chemicals used or planned for use (attach list if needed). Include copies of Material Safety Data Sheets (if available) for all chemicals identified.

Chemical	Quantity

7. Building Layout – Draw to scale the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the public sewers. **Number each sewer** and show existing and proposed sampling locations.

A blueprint or drawing of the facilities showing the above items may be attached in lieu of submitting a drawing on this sheet.

SECTION I – SPILL PREVENTION

1.	Do you have chemical storage containers, bins, or ponds at your facility?	Yes	No
	If yes, please give a description of their location, contents, size, type, and frequency and method of cleaning. Also indicate in a diagram or comment on the proximity of these containers to a sewer or storm drain. Indicate if buried metal containers have cathodic protection.		
2.	Do you have floor drains in your manufacturing or chemical storage area(s)?	Yes	No
	If yes where do they discharge to?		
3.	If you have chemical storage containers, bins, or ponds in manufacturing area, could an accidental spill lead to a discharge to (check all that apply):		
	☐ an onsite disposal system		
	☐ public sanitary sewer system (e.g., through a floor drain)		
	☐ storm drain		
	☐ to ground		
	☐ other, specify:		
	☐ not applicable, no possible discharge to any of the above routes		
4.	Do you have an accidental spill prevention plan (ASPP) to prevent spills of chemicals or slug discharges from entering the Control Authority's collection systems?		
	☐ Yes – **[Please enclose a copy with the application.]**		
	☐ No		
	☐ N/A, not applicable since there are no floor drains and/or the facility discharge(s) only domestic wastes.		
5.	Please describe below any previous spill events and remedial measures taken to prevent their reoccurrence.		

SECTION J – BEST MANAGEMENT PRACTICES

1. Describe the types of best management practices (BMPs) you employ to prevent pollutants from entering a facility's wastestream or from reaching a discharge point. BMPs are management and operational procedures such as schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the general and specific prohibitions listed in 40 CFR 403.5(a)(1) and (b). BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.

2. Do you have the potential for a slug discharge to the sewer system? A slug discharge is any discharge of a non-routine episodic nature, including but not limited to an accidental spill or a non-customary batch discharge, which has a reasonable potential to cause interference or pass through, or in any other way violate the POTW's regulations, local limits or permit conditions [40 CFR 403.8(f)(2)(v).

Yes	No

Please describe the type of the potential slug discharge, including quality and content.

Please describe current mechanisms for prevention of slug discharges.

Please describe where and how raw materials are stored.

SECTION K – NON-DISCHARGED WASTES

1. Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?

☐ Yes, please describe below

☐ No, skip the remainder of Section J

Waste Generated	Quantity (per year)	Disposal Method

2. Indicate which wastes identified above are disposed of at an off-site treatment facility and which are disposed of on-site.

3. If any of your wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility.

4. If an outside firm removes any of the above checked wastes, state the name(s) and address(es) of all waste haulers:

a.	b.
Permit No. (if applicable):	Permit No. (if applicable):

5. Have you been issued any Federal, State, or local environmental permits?

☐ Yes

☐ No

If yes, please list the permit(s):

6. Describe where and how waste liquids and sludges are stored.

SECTION L – AUTHORIZED SIGNATURES

Compliance certification:

1. Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis?

	Yes
	No
	Not yet discharging

2. If No:

a.	What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance.
b.	Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note +that if the Control Authority issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the facility.

Milestone Activity	Completion Date

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(s) Title

Signature Date Phone

INSTRUCTIONS TO FILL OUT WASTEWATER DISCHARGE PERMIT APPLICATION

The permit application must be completed through question E.1. If you answer "no" to question E.1., you may skip to Section I. Otherwise, if a question is not applicable, indicate so on the form. Instructions to some questions on the permit application are given below.

SECTION A – INSTRUCTIONS (GENERAL INFORMATION)

1. Enter the facility's official or legal name. Do not use a colloquial name.

   a. Operator Name: Give the name, as it is legally referred to, of the person, firm, public organization, or any other entity which operates the facility described in this application. This may or may not be the same name as the facility.

   b. Indicate whether the entity which operates the facility also owns it by marking the appropriate box:

      (i) If the response is "No," clearly indicate the operator's name and address and submit a copy of the contract and/or other documents indicating the operator's scope of responsibility for the facility.

2. Provide the physical location of the facility that is applying for a discharge permit.

3. Provide the mailing address where correspondence from the Control Authority may be sent.

4. Provide all the names of the authorized signatories for this facility for the purposes of signing all reports. The designated signatory is defined as:

   a. A responsible corporate officer, if the Industrial User submitting the reports is a corporation. For the purpose of this paragraph, a responsible corporate officer means:

      (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or

      (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiate and direct other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; can ensure that the necessary systems are established or actions taken to gather complete and accurate information for control mechanism requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

   b. A general partner or proprietor if the Industrial User submitting the reports is a partnership or sole proprietorship respectively.

   c. The principal executive officer or director having responsibility for the overall operation of the discharging facility if the Industrial User submitting the reports is a Federal, State, or local governmental entity, or their agents.

d. A duly authorized representative of the individual designated in paragraph (a), (b), or (c) of this section if:

(i) the authorization is made in writing by the individual described in paragraph (a), (b), or (c);

(ii) the authorization specifies either an individual or position having responsibility for the overall operation of the facility from which the Industrial Discharge originates, such as the position of plant manager, operator of a well, or well field superintendent, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

(iii) the written authorization is submitted to the City.

e. If an authorization under paragraph (d) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph (d) of this section must be submitted to the City prior to or together with any reports to be signed by an authorized representative.

5. Provide the name of a person who is thoroughly familiar with the facts reported on this form and who can be contacted by the Control Authority (e.g., the plant manager).

SECTION B – INSTRUCTIONS (BUSINESS OPERATIONS)

1. Check off all operations that occur or will occur at your facility. If you have any questions regarding how to categorize your business activity, contact the Control Authority for technical guidance.

2. Provide a brief narrative description of all operations at this facility.

3. For all processes found on the premises, indicate the NAICS (North America Industry Classification System) code which replaces the Standard Industrial Classification (SIC) system. To determine the NAICS code for a facility see *North American Industry Classification System--United States, 2002* which includes definitions for each industry, tables showing correspondence between 2002 NAICS and 1997 NAICS for codes that changed, and a comprehensive index--features also available on this web site. To order the 1400-page *2002 Manual*, in print, call NTIS at (800) 553-6847 or (703) 605-6000, or check the NTIS web site. The 1250-page *1997 Manual*, showing correspondence between 1997 NAICS and 1987 SIC, is also available. The 2002 and 1997 versions of NAICS are available on CD-ROMs, which can be ordered at NTIS. See http://www.census.gov/epcd/www/naics.html which lists NAICS codes and definitions for each industry.

4. List the types of products, giving the common or brand name and the proper or scientific name. Enter from your records the average and maximum amounts produced daily for each operation for the previous calendar year, and the estimated total daily production for this calendar year. Be sure to specify the daily units of production. Attach additional pages as necessary.

5. Provide the facility's long-term average production value for the past 5 years.

SECTION C – INSTRUCTION (WATER SUPPLY)

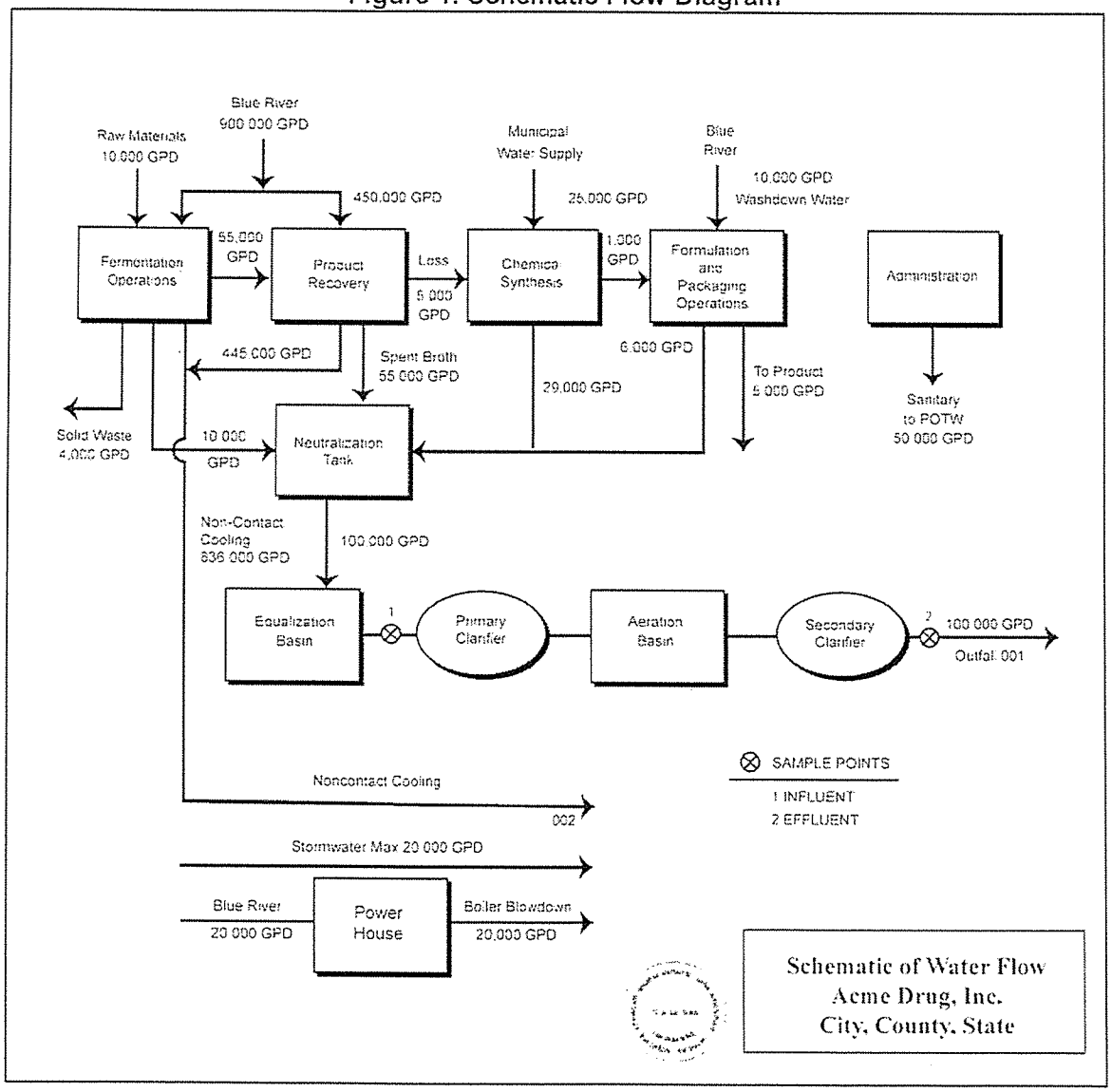
4. Provide daily average water usage within the facility. Contact cooling water is cooling water that during the process comes into contact with process materials, thereby becoming contaminated. Non-contact cooling water does not come into contact with process materials. Sanitary water includes only water used in restrooms. Plant and equipment washdown includes floor washdown. If sanitary flow is not metered, provide an estimate based on 15 gallons per day (gpd) for each employee.

SECTION E – INSTRUCTION (WASTEWATER DISCHARGE INFORMATION)

1. If you answer "no" to this question, skip to Section I, otherwise complete the remainder of the application.

4. A schematic flow diagram is required to be completed and certified for accuracy by a State registered professional engineer. Assign a sequential reference number to each process starting with No. 1. An example of a drawing is shown below in Figure 1. To determine your average daily volume and maximum daily volume of wastewater flow, you may have to read water meters, sewer meters, or make estimates of volumes that are not directly measurable.

Figure 1. Schematic Flow Diagram



SECTION I – INSTRUCTION (SPILL PREVENTION)

5. Describe how the spill occurred, what was spilled, when the spill happened, where it occurred, how much was spilled, and whether or not the spill reached the sewer. Also explain what measures have been taken to prevent a reoccurrence or what measures have been taken to limit damage if another spill occurs.

SECTION J – INSTRUCTIONS (NON-DISCHARGED WASTES)

1. For wastes not discharged to the Control Authority's sewer, indicate types of waste generated, amount generated, the way in which the waste is disposed (e.g., incinerated, hauled, etc.), and the location of disposal.

2. Onsite disposal system could be a septic system, lagoon, holding pond (evaporative-type), etc.

5. Types of permits could be: air, hazardous waste, underground injection, solid waste, NPDES (for discharges to surface water), etc.

SECTION K – INSTRUCTIONS (AUTHORIZED SIGNATURES)

See instructions for question 4 in Section A, for a definition of an authorized representative.

5. Users should report average daily and daily maximum wastewater flows from each process, operation, or activity present at the facility. Categorical users should report average daily and maximum daily wastewater flows from every regulated, unregulated, and dilution process. A regulated wastestream is defined as wastewater from an industrial process that is regulated for a particular pollutant by a categorical pretreatment standard. Unregulated wastestreams are wastestreams from an industrial process that are not regulated by a categorical pretreatment standard and are not defined as a dilution wastestream. Dilution wastestreams include sanitary wastewater, boiler blowdown, noncontact cooling water or blowdown, stormwater streams, demineralized backwash streams and process wastestreams from certain industrial subcategories exempted by EPA from categorical pretreatment standards. [For further details see 40 CFR 403.6 (e).]

6. Users should report the average daily and daily maximum wastewater flows for each nonprocess wastewater flows. Nonprocess wastewater flows include, but are not limited to, cooling tower blowdown and boiler blowdown.

SECTION F – INSTRUCTION (CHARACTERISTICS OF DISCHARGE)

Provide the results of sampling and analysis identifying the nature and concentration (or mass, if required) or regulated pollutants in the discharge from each regulated process. Both daily maximum and average concentration values (or mass, if required) must be reported. The sample must be representative of daily operations.

If the User is subject to categorical effluent limits, the user must take a minimum of one representative sample to compile the necessary data. Samples should be taken immediately downstream from pretreatment facilities if such exists or immediately downstream from the regulated process if no pretreatment exists. If other wastewaters are mixed with the regulated wastewater prior to pretreatment, the user should measure the flows and concentrations. Sampling and analysis must be performed in accordance with the techniques prescribed in 40 CFR part 136 and amendments thereto. Furthermore, the date and place, and the methods of analysis must be submitted with the application.

Historical data may be used if the data provides sufficient information to determine the need for industrial pretreatment measures.

SECTION H – INSTRUCTION (FACILITY OPERATIONAL CHARACTERISTICS)

2. Indicate whether the business activity is continuous throughout the year or if it is seasonal. If the activity is seasonal, circle the months of the year during which the discharge occurs. Make any comments you feel are required to describe the variation in operation of your business activity.

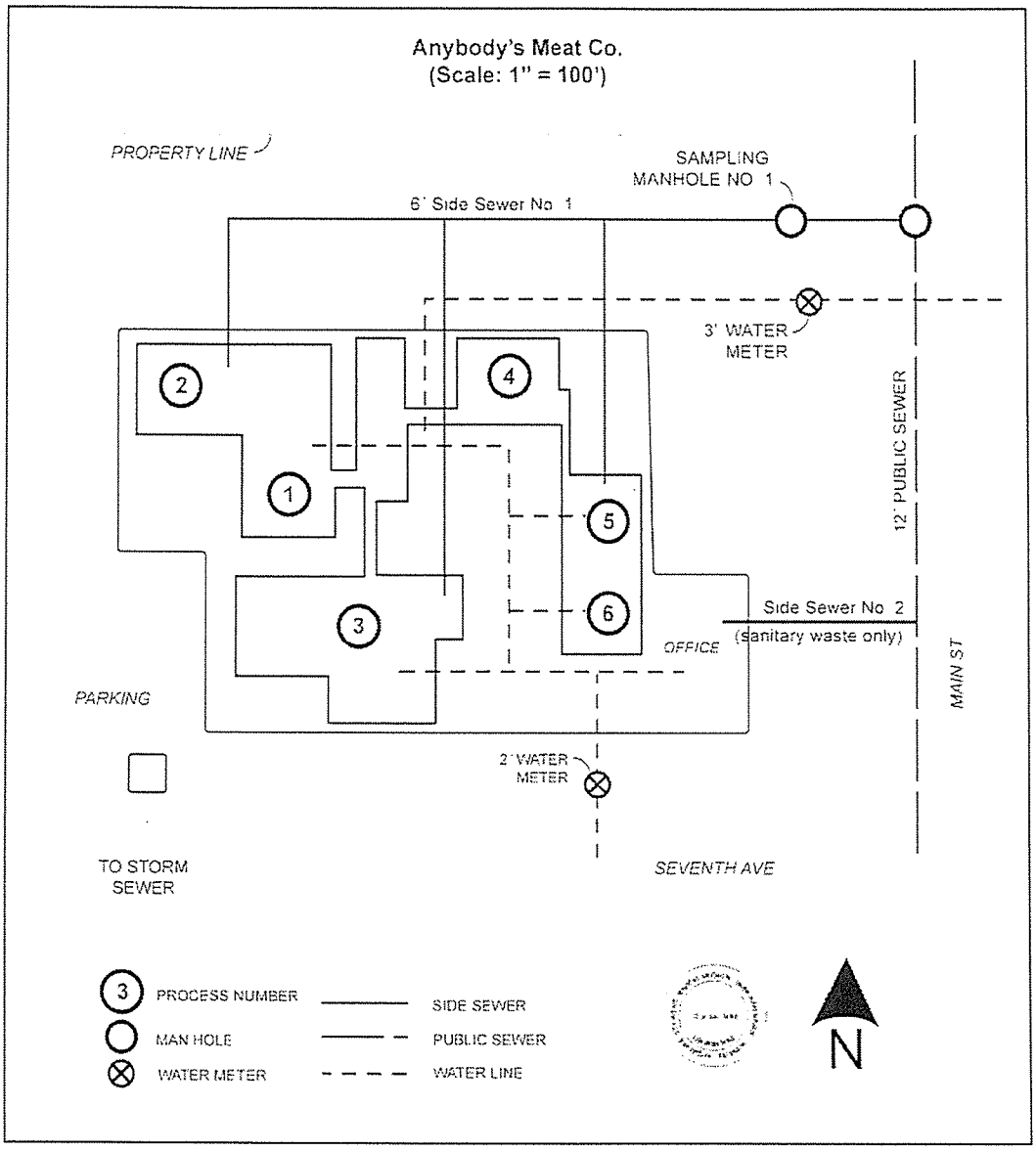
4. Indicate any shut downs in operation which may occur during the year and indicate the reasons for shutdown.

5. Provide a listing of all primary raw materials used (or planned) in the facility's operations. Indicate amount of raw material used in daily units.

6. Provide a listing of all chemicals used (or planned) in the facility's operations. Indicate the amount use of planned in daily units. Avoid the use of trade names of chemicals. If trade names are used, also provide chemical compounds. Provide copies of all available material safety data sheets for all chemical identified.

7. A building layout or plant site plan of the premises is required to be completed and certified for accuracy by a State registered professional engineer. Approved building plans may be submitted. An arrow showing North as well as the map scale must be shown. The location of each existing and proposed sampling location and facility sewer line must be clearly identified as well as all sanitary and wastewater drainage plumbing. Number each unit process discharging wastewater to the public sewer. Use the same number system shown in Figure 2, the schematic flow diagram. An example of the drawing required is shown below.

Figure 2. Building Layout



RULES AND REGULATIONS
EASTERN SNYDER COUNTY REGIONAL AUTHORITY
SNYDER COUNTY, PENNSYLVANIA

Section 1 – Definition of Terms

As used in this Resolution, the following words and terms shall have the meanings hereinafter set forth in this Section, unless the context clearly requires a different meaning:

1.1 Biochemical Oxygen Demand shall mean the quantity of oxygen, expressed in milligrams per liter, utilized in the biological oxidation of organic matter under standard laboratory procedure for 5 days at 20 degrees Centigrade. The standard laboratory procedure shall be found in the latest edition of "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, Inc.

1.2 BMP's shall mean best management practices as described in the Code of Federal Regulations 40CFR § 122.2 and 40 CFR § 403.3(e), and are defined as schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce pollution.

1.3 Collection Systems shall mean the separate sewer systems in each Municipality (whether owned by a Municipality or an Authority) which discharge Wastewater to the Regional System. The Collection Systems consist of collection sewers, laterals, local pumping stations, and other sewer facilities which are used in the collection of sewage and which convey wastewater to the Regional System at the Connection Points.

1.4 Connection Points shall mean the several locations shown on the Index Maps, attached hereto as Exhibit A, where the Collection Systems are connected to the Regional System.

1.5 DEP shall mean the Pennsylvania Department of Environmental Protection or its successor.

1.6 Domestic Sewage shall mean the normal water-carried household and toilet waste from residences, commercial establishments, institutions, industries, and other users of the Regional System.

1.7 ESCRA shall mean the Eastern Snyder County Regional Authority, a municipal authority of the Commonwealth of Pennsylvania, existing under the provisions of the Municipality Authorities Acts of 1945, approved May 2, 1945, P.L. 382, as amended and supplemented.

1.8 Engineer shall mean the ESCRA consulting Engineer, who is retained by ESCRA to provide recommendations and advice pertaining to the operation of the Regional System.

1.9 EPA shall mean the United Stated Environmental Protection Agency or its successor.

1.10 High Strength Wastewater shall mean wastewater having a 5-day Biochemical Oxygen Demand greater than 200 mg/L ,a Suspended Solids content greater than 225 mg/L, a Total Nitrogen content of greater than 42 mg/l, or a Total Phosphorus content greater than 7.5 mg/l.

1.11 Industrial Establishment shall mean any premises used wholly or in part for the manufacture, processing, cleaning, laundering or assembly of any product, commodity or article or from which any process waste, as distinct from Domestic Sewage, shall be discharged.

1.12 Industrial Waste shall mean any solid, liquid, or gaseous substance or form of any energy rejected, escaping or discharged in the course of any industrial, manufacturing, trade or business process or in the course of the development, recovery or processing of natural resources, as distinct from Domestic Sewage.

1.13 Municipality shall mean the Boroughs of Selinsgrove, Shamokin Dam and the Townships of Monroe and Penn, all located in Snyder County, Pennsylvania.

1.14 Municipal Authority shall mean the Selinsgrove Municipal Authority, Shamokin Dam Water and Sewerage Authority, Hummels Wharf Municipal Authority, and Penn Township Municipal Authority, all located in Snyder County, Pennsylvania.

1.15 National Categorical Pretreatment Standard shall mean any regulation containing pollutant discharge limits promulgated by the United States Environmental Protection Agency in accordance with Section 307 (b) and (c) of the Federal Water Pollution Control Act, as may be amended from time to time.

1.16 Owner shall mean any person vested with ownership, legal or equitable, sole or partial, of any improved property.

1.17 Person shall mean any individual, partnership, firm, company, association, society, corporation, or other group entity.

1.18 Regional System shall mean the sewer facilities owned by ESCRA and operated for the benefit of the Municipalities and Authorities. The facilities include the Treatment Plant, sewers, pumping stations, and force mains, but exclude the Collection Systems.

1.19 Service Area shall mean the geographical area within the Municipalities to be served by the Regional System as shown on the service Area map, attached hereto as Exhibit B.

1.20 Sewer System shall mean the sanitary sewers, manholes, pumping stations, and force mains of ESCRA, the Municipalities, and the Municipal Authorities.

1.22 Suspended Solids shall mean suspended solids, expressed in milligrams per liter, in the Sewage as determined pursuant to the procedure set forth in the latest edition of "Standard Methods for the Examination of water and Wastewater", published by the American Public Health Association, Inc.

1.23 Treatment Plant shall mean the wastewater treatment plant, owned by ESCRA and situated on the Isle of Que in Penn Township, South of the Borough of Selinsgrove.

1.24 User shall mean any person, corporation, or entity which discharges Wastewater into the Sewer System.

1.25 Wastewater shall mean water and substances contained therein which are discharged into and flow through the Sewer System. The term includes Domestic Sewage, Sanitary Sewage, and Industrial Waste, but only to the extent that Industrial Waste has been pretreated and/or meets the requirements of this Resolution.

Section 2 - Wastewater Quality and Quantity

2.1 No Person shall discharge or cause to be discharged any stormwater, surface water, spring water, groundwater, roof runoff, subsurface drainage, building foundation drainage, cellar drainage, drainage from roof leader connections, and overflow or drainage from cesspools into any Sewer System.

2.2 The Wastewater discharged to the Regional System by the Municipalities or Municipal Authorities shall not exceed any of the following loading limits:

(a) Maximum average daily volume of flow to the Treatment Plant per 24 hours during any calendar month of 3.00 million gallons.

(b) Maximum instantaneous peak flow rate to the Treatment Plant of 7.00 million gallons.

(c) Maximum concentration of 200 milligrams per liter of biochemical oxygen demand as a monthly average value.

(d) Maximum concentration of 225 milligrams per liter of suspended solids as a monthly average value.

(e) Maximum concentration of 42 milligrams per liter of Total Nitrogen as a weekly average value.

(f) Maximum concentration of 7.5 milligrams per liter of Total Phosphorus as a weekly average value.

2.3 ESCRA reserves the right to refuse permission to connect to the Regional System, to compel discontinuance of use of the Regional System or to compel pretreatment of Industrial Waste by any Industrial Establishment or any other User in order to prevent discharges which are deemed harmful to or will have a deleterious effect on the Regional System or any part thereof. No Wastewaters shall be discharged to the Regional System, unless a permit which is issued in accordance with Section 7 of these Rules and Regulations:

(a) Having a 5-day Biochemical Oxygen demand in excess of 200 mg/L as a weekly average value.

(b) Having a Suspended Solids concentration in excess of 225 mg/L as a weekly average value.

(c)Having a maximum concentration of 42 milligrams per liter of Total Nitrogen as a weekly average value.

(d) Having a maximum concentration of 7.5 milligrams per liter of Total Phosphorus as a weekly average value.

(e) Having a temperature higher than 140 degrees Fahrenheit.

(f) Containing more than 100 ppm by weight of fats, oils and grease.

(g) Containing any gasoline, benzene, naphtha, fuel oil, or other inflammable or explosive liquid, solid, or gas.

(h) Containing any garbage that has not been ground by household type or other suitable garbage grinders.

(i) Containing any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tars, plastics, wood, paunch manure, or any other solids or viscous substances capable of causing obstructions or other interferences with proper operation of the Regional System.

(j) Having a pH lower than 6.0 or higher than 9.0, or having any other corrosive property capable of causing damage or hazards to structures, equipment, or personnel of the Regional System.

(k) Containing toxic or poisonous substances in sufficient quantity to injure or interfere with any Wastewater treatment process, or to constitute hazards to humans or animals, or to create any hazard in waters which receive treated effluent from Treatment Plant. Toxic wastes shall include, but are not limited to, wastes containing cyanide, chromium, copper, and nickel ions.

(l) Containing noxious or malodorous gases or substances capable of creating a public nuisance or that will pass through the Treatment Plant and exceed the state or interstate requirements for the receiving stream.

(m) Containing solids of such character and quantity that special and unusual attention is required for their handling in the Regional System.

(n) Containing radioactive isotopes of any kind.

(o) Containing any cooling water or unpolluted industrial or commercial process water.

(p) Containing any substances which are not amendable to treatment or reduction by the biochemical wastewater treatment process employed at the Treatment Plant, or are amenable to treatment to such a degree that the effluent of the Treatment Plant cannot meet the requirements of agencies having jurisdiction over the discharge to the receiving stream.

Section 3 - Collection Systems

3.1 Each Municipality or its related Authority will own, operate, maintain and expand its own Collection System, shall impose all rents and charges on users of its System, shall do all of its own billing and collection, pay all costs of operating, maintaining and repairing its Collection System and shall continuously operate the Collection System and keep the same in proper repair and operating condition. ESCRA shall not be liable for any damages or demands whatsoever in any manner arising or growing out of the construction, operation, maintenance or repair of the collection Systems; and each Municipality and Authority (other than ESCRA) will hold harmless ESCRA

from all claims for damages arising or growing out of the construction, operation, maintenance or repair of said Collection Systems. Each municipality and Authority owning or operating a Collection System shall make all necessary renewals, replacements and improvements thereto in order to maintain adequate service and shall comply with all present and future laws, rules, regulations, permits, orders and requirements applicable thereto and lawfully made by DEP, EPA, ESCRA, or other governmental body having jurisdiction.

3.2 No Municipality or Authority will construct, own or operate any treatment facility in the Service Area, nor will it permit any part of its Collection System within the Service Area to be connected to any treatment or disposal facilities other than the Regional System, it being the intention that the Regional System is to be the exclusive Wastewater treatment and disposal facility within the entire Service Area.

3.3 Inflow/infiltration studies of the Collection Systems and corrective action may be required by ESCRA or by DEP or EPA from time to time in order to protect the Regional System from excessive flows of surface or groundwater. All Municipalities and Authorities will cooperate in carrying out such tests, studies, inspections, rehabilitation, and other work as may be required by EPA, DEP, or ESCRA in connection with such inflow/infiltration. Any Municipality (or its Authority) required to correct inflow/infiltration problems in its Collection System shall pay the cost thereof, and shall complete the work in a timely manner.

3.4 The Municipalities or the Municipal Authorities, as applicable, shall adopt ESCRA's Rules and Regulations and shall at all times require Users or their Collection Systems to fully comply with these Rules and Regulations. The Municipalities or Municipal Authorities shall adopt and enforce appropriate penalties, consistent with the laws of the Commonwealth of Pennsylvania, for any violation of these Rules and Regulations.

3.5 Each Municipality and Municipal Authority shall adopt ordinances or Resolutions, and keep the same in effect, requiring the issuance of the sewer Permits as required by this Resolution and establishing rules and regulations governing the construction of building sewers, service laterals, connections and other matters relating to the Collection Systems. ESCRA shall have access to all Collection Systems and the records, plans, and other documents relating thereto for all purposes of this Resolution upon reasonable notice to the Municipality or Municipal Authority operating the same.

3.6 No Collection Sewer or other sewer will be permitted to be connected to the Regional System unless it provides sewer service to a building or structure which is located in the Service Area. No Person, firm, or corporation, Municipality, or Municipal Authority shall install or make connections to any

Sewer System which is in any manner connected with the Regional System without first obtaining a permit to do so from the Municipality or Municipal Authority having jurisdiction thereof.

3.7 ESCRA's approval of DEP Sewage facilities Planning Modules (Planning Modules) and the commitment of Regional System capacity for proposed connections, direct or indirect, to the Regional System shall be for a period of two years (730 calendar days). The two-year period shall commence on the date of ESCRA's approval or on the date of DEP's approval, provided that the Planning Module applicant provides ESCRA with written evidence of DEP's approval and the date thereof. Approval of connections not made within the two-year period shall become null and void and those connections shall not be made until the Planning Module applicant obtains a new written approval from ESCRA to make the connections.

3.8 Requests for reviews brought before the board that are anticipated to require reviews necessitating any professional services must first provide a minimum escrow amount of $1,500 before the review shall begin. If at any time during the review process the balance falls to zero, the review shall halt until the account is replenished to the minimum escrow amount as indicated above. Itemized expense reports shall be provided as the review process proceeds. Upon completion of the review, any balance remaining shall be refunded to the party.

3.9 House laterals and other private sewers may not be connected directly to the Regional System. All such connections must be made through public sewers of the Collections Systems which are authorized by a Permit issued by DEP and which are owned and maintained by a participating Municipality or Municipal Authority.

Section 4 – Meters and Connection Points

4.1 The Regional System includes certain meters, sampling chambers and other devices necessary to measure the quantity and quality of the Wastewater in the Regional System. Such meters are located at the Main Wastewater Pumping Station, the Shamokin Dam Wastewater Pumping Station and at certain Connection Points and other locations in the Regional System, all as shown on the Regional System and Connection Point Maps attached to this Resolution. All such meters, sampling chambers and other measuring devices, together with the actual Connection Points of any Collection System to the Regional System shall be owned, operated, maintained and controlled by ESCRA. All other meters and measuring devices, except those described in section 4.2 shall be installed, owned, operated, maintained and controlled by the respective Municipalities as part of their Collection Systems.

4.2 No municipality shall make or permit any direct connection to the Regional

interceptors or other sewer lines which are part of the Regional System except as hereinafter provided. If any Municipality desires an additional Connection Point between its Collection System and the Regional System it shall make a written application therefor to ESCRA. Upon approval of the application by ESCRA and any governmental agencies having jurisdiction, the Municipality or Municipal Authority requesting the Connection Point will construct and install or otherwise arrange for the construction and installation of the additional Connection Point, together with related meters and other facilities as required, at the cost and expense of the Municipality or Municipal Authority requesting the same. ESCRA shall have the right to review and approve drawings and specifications for the manner, methods and materials used in the construction of any additional Connection Points, and also shall have the right to inspect the work. When making any new connection to the Regional System, the Municipality shall prohibit and prevent the admittance of groundwater or surface water resulting from construction to flow into the Regional System. The Municipality or the contractor may not flush, drain, pump, or deposit any water, silt, or debris from the new sewer or related construction into the Regional System. The design, construction, and activation of the new connection shall conform to the rules, regulations and requirements of ESCRA. The physical connection into the Regional System shall be the last item of construction and shall not be made until authorized by ESCRA.

4.3 In the case of missing flow records due to faulty meter registration or otherwise, ESCRA shall estimate the volume of Wastewater discharged. Such estimates shall be based on an evaluation of past flow records as applied to present conditions. A copy of such estimates, together with calculations and past flow records upon which the same are based, shall be made available to each Municipality affected thereby.

4.4 All meters measuring wastewater flow discharged into the Regional System, either directly or indirectly, as well as those meters measuring Wastewater flow within the Regional System, shall be calibrated no less than annually.

4.5 In the absence of meter readings, flow quantities shall be determined on the average number of equivalent dwelling units (upon the basis of a discharge rate of 275 gallons per equivalent dwelling unit per day). The number of equivalent dwelling units connected for any quarter shall be the average of the equivalent dwelling units connected on the first and last days of the quarter. The number of equivalent dwelling units shall be supplied to ESCRA by the affected municipality.

Section 5 - Fees and Charges

5.1 Each Municipality or Municipal Authority shall pay quarterly bulk wastewater

treatment charges for the use of the Regional System in accordance with schedules of charges which may be adopted from time to time by ESCRA in accordance with the following provisions:

(a) For each fiscal year, ESCRA will compute its aggregate budget requirements including all Operating Expenses, all debt service requirements on any Bonds, all amounts required to meet the Bond coverage or reserve requirements of any Indenture, and a reasonable reserve for replacements or extraordinary repairs (and/or provision for the repayment of loans and interest thereon made to finance extraordinary or emergency repairs or replacements), and shall deduct therefrom all anticipated revenues including investment income, state subsidies, and all other sewer revenues, except payments becoming due under this Agreement. The resulting amount shall be and is hereinafter called the "Net Budget."

(b) The Net Budget shall be apportioned among the Municipalities and Municipal Authorities customers of ESCRA on the basis of the total measured volume of Wastewater flow from each such customer, adjusted, if applicable, for extra strength Wastewater.

5.2 The following procedure shall govern the adoption of each Net Budget:

(a) One hundred twenty (120) days before the first day of the first fiscal year or part thereof, and one hundred twenty (120) days before the first day of each fiscal year thereafter, each Municipality and Municipal Authority shall provide to ESCRA flow projections and such other information as it may reasonably request to assist in formulating estimates of revenues and expenditures.

(b) ESCRA shall establish a proposed Net Budget and proportionate shares for each customer and deliver copies thereof to each municipality or Municipal Authority. ESCRA shall hold at least one public meeting on the proposed Budget not less then (10) days after the same has been delivered to the Municipalities and Municipal Authorities. Ten (10) days written notice of the date, time and place of the public meeting shall be given to the Municipalities and Municipal Authorities and shall be advertised in a newspaper of general circulation in Snyder County.

(c) After the public meeting, ESCRA shall adopt a final Net Budget for the ensuing fiscal year, shall determine the estimated shares of each customer and shall deliver copies thereof to each customer not less than thirty (30) days before the first day of the fiscal year (or portion thereof in the case of the first year of operation).

5.3 The service charges due hereunder shall be paid to ESCRA in equal quarterly

installments in advance on the first day of January, April, July, and October of each year.

5.4 ESCRA reserves the right granted to it under the Municipality Authorities Act to charge certain enumerated fees to property owners who desire to or are required to connect to the Regional System through the Municipalities or Municipal Authorities' wastewater collection systems as specified in Section 4.B (t) of the Municipality Authorities Act.

Section 6 - <u>High Strength Waste Surcharge</u>

6.1 Although the Treatment Plant is capable of treating certain Industrial Wastes and, for a short duration, High Strength Wastewater, the actual treatment of such Wastewater may increase the cost of operating and maintaining the Regional System. Therefore, each User discharging Wastewater to the Regional System having an average 5-day Biochemical Oxygen Demand greater than 200 mg/L, a Total Suspended Solids content greater than 225 mg/L, a Total Nitrogen concentration greater than 42 mg/l, or a Total Phosphorus concentration greater than 7.5 mg/l shall pay a strength of waste surcharge, which is intended to cover such additional costs.
Such surcharges shall be in addition to regular sewer service charges and shall be payable as herein provided.

6.2 The surcharges, if applicable, shall be determined quarter-annually on the basis of available Wastewater sample results of samples collected during the calendar quarter. Such sample results shall include analyses of Wastewater samples collected by ESCRA, the Municipality, the Municipal Authority, or, where the results are considered by ESCRA to be representative, the User.

6.3 On the basis of Wastewater sample analyses available to ESCRA, if the Wastewater is found by ESCRA to have a 5-day Biochemical Oxygen Demand in excess of 200 mg/L, and /or a Total Suspended Solids content greater than 225 mg/L, and/or a Total Nitrogen concentration greater than 42 mg/l, and/or a Total Phosphorus concentration greater than 7.5 mg/l the User discharging said waste shall pay a strength of waste surcharge in addition to any other sewer service charges. The surcharge shall be computed using the following formulas:

$$\textbf{BOD}_5\textbf{ Surcharge} = (0.0863M+0.045T)\ \frac{(A-200)\ 8.34Q}{B}$$

$$\textbf{Suspended Solids Surcharge} = (0.0863M+0.04T)\ \frac{(C-225)\ 8.34Q}{D}$$

$$\textbf{Total Nitrogen Surcharge} = Q \times (N - 42) \times 8.34 \times 91.25 \times \$N/lb$$

Total Phosphorus Surcharge = Q x (P -7.5) x 8.34 x 91.25 x $P/lb

Definition of Variables:

A = Average concentration of BOD_5 (mg/L) for a Wastewater discharge, over the calendar quarter.

B = Average 5-day BOD loading (pounds/day) of the Treatment Plant, over the calendar quarter, as determined by ESCRA.

C = Average concentration of Suspended Solids (mg/L) for a Wastewater discharge, over the calendar quarter.

D = Average Suspended Solids loading (pounds/day) of the Treatment Plant, over the calendar quarter, as determined by ESCRA.

M = Annual budgeted operating, maintenance, and administrative costs of the Regional System.

Q = Average Daily discharge rate (mgd) of the Wastewater discharge, which is subject to the payment of a surcharge.

T = Annual depreciation charge of the Regional System as determined from the most recent Regional System audit.

N = Total Nitrogen Concentration in mg/l

P = Total Phosphorus concentration in mg/l

$P/lb = The current market value of a pound of Phosphorus in the PA Nutrient Credit Trading Program.

$N/lb = The current market value of a pound of Phosphorus in the PA Nutrient Credit Trading Program.

The surcharge formulas are independent of each other and shall be assessed singly or in combination, as applicable, for BOD_5,Suspended Solids, Total Nitrogen, or Total Phosphorus concentrations greater than those set forth herein. Any surcharge formula producing a negative value shall be disregarded.

The value of Q used in the surcharge formulas shall be based on the User's metered wastewater flow, or by a method or estimate determined by ESCRA.

Payment of a surcharge shall not relieve the User of its obligation to comply with the qualitative limits for BOD_5, Suspended Solids, Total Nitrogen, or Total Phosphorus listed in Section 2.2.

Section 7 – Industrial Wastewater Discharges and Discharges other than Domestic Sewage

7.1 In order to control the discharge into the Sewer System of Industrial Waste, or any other Wastewater not classified as Domestic Sewage, the written approval of ESCRA must be obtained by the User prior to the discharge of such Industrial Waste or Wastewater. Such written approval shall be in the form of a Discharge Permit (the "Permit") between ESCRA, the person, firm, or corporation intending to discharge such waste, and the Municipality or Municipal Authority into whose Collection System such waste is intended to be discharged.

7.2 Each person making application for a Permit to discharge Industrial Waste, or any other Wastewater not defined as Domestic Sewage, into the Sewer System shall furnish complete information to the affected Municipality or Municipal Authority as to the quantity of such Wastewater, as well as the sources and characteristics thereof. Such application shall be reviewed by the affected Municipality or Municipal Authority, and if satisfactory, shall be submitted to ESCRA for review and approval. When ESCRA is satisfied that the Permit application sufficiently demonstrates that the proposed discharge will comply with ESCRA's rules and regulations, that the proposed discharge will not adversely affect the operation or the integrity of the Regional System or the quality of the discharge from the Treatment Plant, and that the proposed discharge will not adversely affect the quality of the bio-solids from the Treatment Plant, ESCRA shall prepare a discharge Permit and return it to the applicant and the affected Municipality or Municipal Authority for approval. To be effective, the discharge Permit shall bear the authorized signatures of ESCRA, the affected Municipality or Municipal Authority and the applicant. Such permits shall be non-transferable.

7.3 ESCRA reserves the right to disallow the discharge of incompatible Wastewater to the Sewer System and to disallow the discharge to the Sewer System of any Wastewater which it determines may adversely affect the operation or the integrity of the Regional System, the quality of the Plant effluent, the quality of bio-solids from the Plant, or the quality of the receiving stream.

7.4 All Industrial Establishments shall be required to comply with pretreatment regulations and requirements which may now be in effect or which may later be established by ESCRA, EPA and DEP.

7.5 ESCRA reserves the right to cancel any Permit between any Person and a

Municipality or Municipal Authority upon the Person's violation of the conditions of this Resolution or the Permit or upon the expiration of the Permit. Permits for Industrial Waste shall be written for a one-year period or such shorter time as ESCRA determines. If ESCRA elects not to cancel the Permit on or before its anniversary, the Permit will automatically renew itself for another period of one (1) year.

7.6 ESCRA may suspend a Permit when such suspension is necessary, in the judgment of ESCRA, to stop a discharge which presents a hazard to the health, safety, or welfare of ESCRA's operating personnel, or to the operation of the Regional System, or upon a finding that the User has violated any provision of these Rules and Regulations or the discharge Permit. Any User notified of such suspension shall immediately stop the discharge of all Wastewaters into the Regional System. ESCRA may reinstate the Permit upon proof of satisfactory compliance with all discharge requirements of ESCRA. Any User notified of a suspension of Wastewater treatment services and/or the Discharge Permit shall immediately stop or eliminate the discharge. In the event of a failure of the User to comply voluntarily with the suspension order, ESCRA may take such action as deemed necessary, including immediate severance of the sewer connection, to prevent or minimize damage to the system or endangerment to any individuals. ESCRA may reinstate the Discharge Permit and/or Wastewater treatment service upon proof of the elimination of the noncomplying discharge. A detailed written statement submitted by the User describing the causes of the harmful contribution and the measures taken to prevent any future occurrence shall be submitted to ESCRA within 15 days of the date of occurrence.

7.7 Except by specific written authorization from ESCRA, the average daily flow of any Industrial Waste discharge to the Sewer System shall be limited to 10,000 gallons per day, or such lower rate, as ESCRA shall specify. The maximum rate of flow at which Wastewater can be discharged into the Sewer System shall be at the discretion of ESCRA.

7.8 Adequate means shall be provided at each industrial connection with the Sewer System for periodic sampling and flow observation. A suitable manhole, or other suitable access, shall be provided in the building's Industrial Waste discharge line to facilitate observation, sampling, and measuring of the Industrial Waste being discharged. Such manhole shall be constructed in accordance with plans and specifications approved by ESCRA and the affected Municipality or Municipal Authority. The manhole shall be installed and maintained in a safe condition at the expense of the Person who owns it and be located so as to be accessible at all times to Persons authorized by ESCRA or by the affected Municipality or Municipal Authority without the consent of the owner. Samples for the determination of all characteristics and concentrations of the Wastewater shall be collected in such a manner as to be representative of the actual quality of the waste.

7.9 The flow volume used to determine Industrial Waste flows and surcharges shall be specified in the Permit and shall be determined by wastewater metering. If direct wastewater metering is not practical or possible due to low wastewater flows, an alternative method of determining the flow acceptable to ESCRA shall be used.

7.10 The affected Municipality or Municipal Authority shall require each User who has been issued a Permit to install and maintain any meter or measuring device specified therein at his own expense. This shall also include a quarterly calibration of the devices. The calibration reports shall be sent to both ESCRA and the affected Municipality or Municipal Authority. The affected Municipality or Municipal Authority shall be responsible for reading the measuring devices and shall forward the readings to ESCRA no less frequently than monthly or as otherwise specified in such Permit.

7.11 A $250 non-refundable application fee shall accompany each Industrial Waste Discharge Permit Application.

On the first anniversary of issuance, and every anniversary thereafter, the Discharger holding an active Industrial Waste Discharge Permit shall be billed a non-refundable $250 annual renewal fee.

A $1500 minimum deposit shall be made to ESCRA upon submission of an Industrial Waste Discharge Permit Application which will be placed into an escrow account, out of which any fees incurred by ESCRA for engineering review of the application, and permit will be paid. This engineering review fee deposit will be in addition to the non-refundable application fee. The applicant may request that an estimate of engineering fees be prepared for the review. The review will not proceed until the deposit is established, nor will the review continue if the balance in the escrow account falls to zero. The applicant will receive a complete accounting for all review costs incurred, and will be refunded only those monies that have not been expended from the account notwithstanding whether a final permit is issued or not. If ESCRA feels that the initial $1500 deposit will be inadequate for a particular permit review, on the basis of an estimate from its Consulting Engineer, the Authority may require an initial deposit to the account in excess of $1500.

7.12 Each Municipality or its related Municipal Authority shall adopt and administer its own municipal Oil and Grease Control Program which shall require all commercial, institutional and industrial establishments that prepare, process, or serve food, or are engaged in the automotive repair industry, to employ BMP's to control the quantity of fats, oils and greases which would otherwise be discharged to the sewer system. This program must include, but is not limited to the requirement for all such users to install, operate, and maintain gravity

grease/oil interceptors or hydromechanical grease/oil interceptors installed, and sized in accordance with the guidelines set forth in the most current edition (currently 2006) of the Uniform Plumbing Code at the direction of qualified design professionals. Proper installation requires toilet wastes and other non-food sources of discharge must be segregated with only/all grease/oil bearing drains discharging to the grease/oil interceptor(s). These wastewater streams shall be recombined after the grease/oil interceptor for discharge to the sanitary sewer through one common connection.

Section 8 – Preliminary Treatment

8.1 As not all wastewater can be satisfactorily treated at the Treatment plant, preliminary treatment may be required before acceptance of the Wastewater into the Sewer System.

8.2 ESCRA may require an owner of an improved property to construct, operate, and maintain at his expense a preliminary treatment facility when, in the opinion of ESCRA, such facility is necessary to reduce quantities and/or concentrations of discharge pollutants to:

(a) Comply with maximum limits specified in Section 2.2 of this Resolution, and

(b) Prevent excessive quantities or concentrations of pollutants from adversely affecting the operation or integrity of the Regional System, the quality of the discharge from the Treatment Plant, and the quality of the bio-solids from the Treatment Plant.

No preliminary treatment facility shall be constructed or operated until the Sewer System discharge has been approved by ESCRA. ESCRA reserves the right to examine plans and specifications for the preliminary treatment facility.

8.3 All such preliminary treatment facilities as required by this Resolution shall be maintained continuously in satisfactory and effective operating condition by the User or Person operating and maintaining the facility served thereby, and at the User's expense. ESCRA shall have access to such facilities at all reasonable times to verify their operation and to collect discharge samples

Section 9 – Miscellaneous

9.1 The Municipalities and Municipal Authorities shall maintain general liability insurance covering the construction and operation of their respective Sewer Systems, naming ESCRA as an additional insured, which shall be written in such amounts, have such additional named insured's, cover such risks and contain such other terms as shall be recommended by an independent insurance

consultant and as shall be satisfactory to the solicitors for the parties. All parties shall provide ESCRA with proof of such insurance and each such policy shall provide that notice of cancellation shall be given to ESCRA not less than thirty (30) days prior to cancellation.

9.2 In the event that the discharge of Wastewater into the Sewer System by any User causes damage to the Regional System or harm to any stream, that Person shall be liable for the damage thereof, including all costs incurred for the restoration, replacement, fines, etc. The limit of the damage shall be determined by ESCRA and the User shall be billed therefor. Legal action may be taken to enforce collection and/or ESCRA may require the affected Municipality or Municipal Authority to terminate that User's connection to the Sewer System.

9.3 If any fines or other monetary penalties are imposed on ESCRA as a result of the violation of this Resolution by any Municipality or Municipal Authority, such Municipality or Municipal Authority shall indemnify and reimburse ESCRA for the amount thereof and any costs, including reasonable attorney fees.

9.4 The duly authorized representatives of ESCRA, the Municipality and the Municipal Authority, shall, at all reasonable times, be permitted to enter upon any and all properties for the purpose of inspecting, observing, measuring, and sampling wastewaters discharged to any Sewer System.

9.5 ESCRA reserves the right to adopt, from time to time, changes and modifications to the forgoing Rules and Regulations and to adopt such additional Rules and Regulations as it in its discretion shall deem necessary and proper in connection with use and operation of the Regional System, which Rules and Regulations shall be, shall become, and shall be construed as part of this Resolution.

9.6 ESCRA shall have the power and authority to undertake any action necessary and/or convenient to carry out the purpose of this Resolution provided that such action is not prohibited by any provisions of the Municipality Authorities Act of 1945, as amended.

9.7 In the event any provision, section, sentence, clause, or part of this Resolution shall be held to be invalid, such invalidity shall not affect or impair any remaining provision, section, sentence, clause, or part of this Resolution, it being the intent of ESCRA that such remainder shall be and shall remain in full force and effect.