The Delaware County Regional
Water Quality Control Authority
100 East Fifth Street
Chester, Pennsylvania 19016-0999
(610) 876-5523

Wastewater System Survey
Section I - Determination of User Class

Purpose: This section is intended to determine the nature of the respondent's usage of the sewer system.

Part IA General Information - Definitions

Sanitary Wastewater - Water borne waste products, excrement or other discharges from the bodies of humans or animals and wastewater derived from culinary and laundry activities.

Uncontaminated Cooling Water - Water discharged from any system of condensation, air conditioning, cooling, heat exchanging, or refrigeration which shall be free from polluting substances.

Stormwater - Water resulting from precipitation runoff.

Industrial Wastewater - Liquid or water borne wastes from industrial or manufacturing processes. Unless specifically stated otherwise, industrial wastewater does not include sanitary wastewater.

Sanitary Sewer - A collector which carries sanitary wastewater.

Storm Sewer - A collector which carries stormwater but may also carry uncontaminated cooling water.

Combined Sewer - A collector intended to carry varying proportions of sanitary wastewater, industrial wastewater, stormwater, and/or uncontaminated cooling water.

Direct Discharge - The discharge of treated and/or untreated wastewater directly into a waterway.

Indirect Discharge - The discharge or introduction of treated, untreated, or pretreated wastewater into a publicly or privately owned collection/treatment system(s).

Residential User - Indirect discharger of sanitary wastewater from premises used solely for domestic purposes.

Commercial User - Indirect discharger of sanitary wastewater from premises used partially or entirely for commercial purposes with wastewater varying in composition, quantity or quality from the characteristics or proportions exhibited by sanitary wastewater generated from typical domestic activities.

Industrial User - Indirect discharger of industrial wastewater from premises used partially or entirely for industrial or manufacturing purposes. This class of user may also contribute other forms of wastewater.

Part IB: Respondent's Declaration of Sewer Usage.

1. Business/Company Name: _____

2. Business Mailing Address and Telephone Number: _____
_____

3. Premises Address and Telephone Number: _____
_____

4. Based upon the definitions furnished in Section 1A, the noted premises generate and dispose of wastewater as follows (check wherever applicable).

☐ sanitary wastewater ☐ industrial wastewater ☐ stormwater ☐ uncontaminated cooling water

☐ direct	☐ direct	☐ direct	☐ direct
☐ indirect	☐ indirect	☐ indirect	☐ indirect

5. As a result of these usage's, the premises may be considered to be:

☐ residential ☐ industrial
☐ commercial ☐ not applicable - all direct discharge

6. Respondent's certification:

I fully understand the information presented under Section 1A and have prepared and/or fully reviewed the responses requested under Section 1B. I certify that this response accurately represents the premises wastewater disposal practices and that I am duly authorized to render this determination.

_____ _____
Name (Signature) Title

_____ _____
Name (Typed) Date

Part 1C: DELCORA Verification of Discharge Status

1. The subject premises were inspected by DELCORA on _____ and they ____do/____do not conform to the respondent's self-determination rendered under Section 1B.

2. Remarks:

_____
_____
_____
_____
_____

3. DELCORA certification:

_____ _____ _____
Name (Signature) Title Date

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Water Quality Control Authority
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Chester, Pennsylvania 19013
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Wastewater System Survey
Section II Industrial Users
Wastewater Discharge Permit Application

Part 2A: Product/Service Description

Purpose: This part of the survey is used to establish which may be introduced into the applicant's facility's wastewater discharge. Quantities are necessary for mass-based effluent limits and intra-industry correlation of manufacturing output and corresponding wastewater generation.

1. Purpose of premises (principal business activity conducted/type of industry):

_____

_____

2. Principal SIC designation(s): _____

3. Various related activities conducted on premises in order to develop the finished product(s). Complete Table 2A-3 on the reverse side of this sheet, adding additional sheets if necessary.

Part 2B: Plant Operational Characteristics

Purpose: To ascertain the magnitude and duration of industrial wastewater discharge.

1. Staffing of premises (total number of employees): _____

2. Seasonal Variations:

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
No. Employees												
Waste Volume												

3. Daily Variations:

Day	M	T	W	TH	F	SA	SU
Shift							
Time							
No. Employees							
Waste Volume							

4. When conducted in accordance with the schedule presented in the previous questions, the discharge is classified as:

☐ uniformly continuous ☐ continuous but variable with time ☐ intermittent or batch

5. Provide a narrative description of the facility's wastewater discharge (for example, continuing for 8 hours per day, 5 days per week at 100 gal./day rate, batch twice a day for 20 minutes at 100 gal./min., continuous 24 hours, steady or with peaks at 2 p.m., peak rate 3 MGD, etc.):

_____

_____

_____

Table 2A-3 Manufacturing Production: Wastewater Correlation

Activity	SIC(a)	Raw Materials Used	Finished Product(s)	Quantities (No. units/unit time) Production mos Units (b)	Past 12 mos Avg.	Past 12 mos Max.	Next 12 Avg.	Next 12 Max.	Mrf. Process Producing Wastewater	Identify substances discharged by common name, technical name, code no. (c), properties, or other appropriate description.		

(a) "Standard Industrial Classification Manual" – Statistical Policy Division of the Office of Management and Budget, USGPO, Washington D.C., 1972 with 1977 Supplement Issue or as revised.
(b) Industry Standard or as may be specified within USEPA Effluent Guidelines and Standards Title 40, Sub-Chapter N.
(c) Code numbers to cc form with the Chemical Abstract System (CAS), USEPA/USDOT identification (49 CFR172) or any other recognized reference system as revised or in general usage at the time of the submission of this table.

Part 2C: Plant Water Balance

Purpose: This part is intended to provide a full accounting of water entering and exiting applicant's facility.

1. Summary of water entering site.

Usage	Source (a)	Annual Volume (TGY) (b)
Sanitary		
Process		
Boiler		
Cooling		
Plant and Equipment Washdown		
Irrigation/Lawn Watering		
Other (List)		
Total		

(a) Source Legend: P - Purchased, G - Groundwater, S - Surface Water, R - Reclaimed, O - Other (Specify)

(b) TGY – Thousand of Gallons Per Year.

2. Summary of water exiting site.

Means of Discharge	Quantity					
	Average			Maximum		
	GPH	GPD	GPW	GPH	GPD	GPW
Sewer						
Product Uptake						
Storm Drain						
Surface Water						
Groundwater						
Evaporation						
Waste Transporter						
Other (List)						
Total						

(a) GPH – Gallons Per Hour

(b) GPD – Gallons Per Day

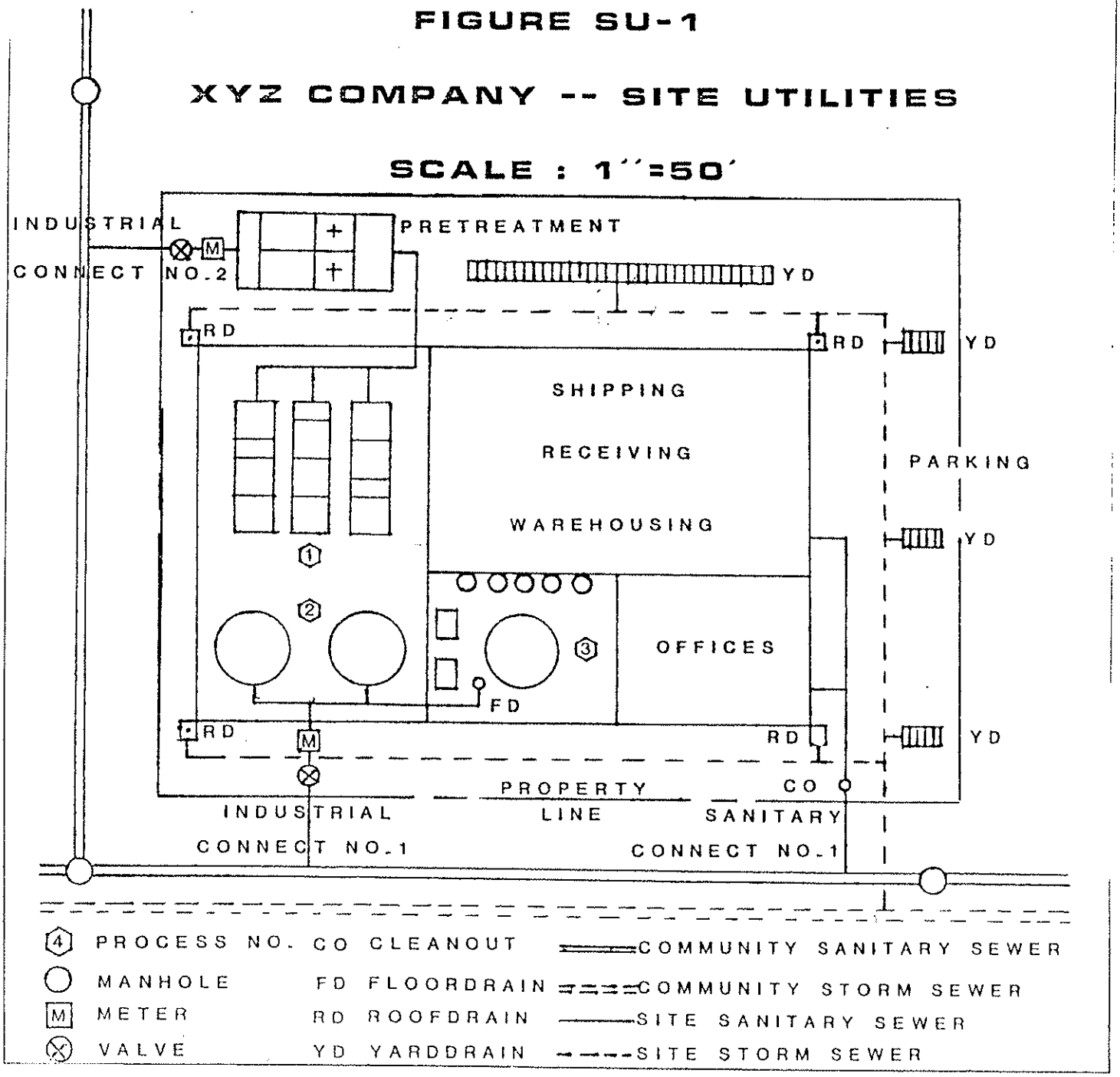
(c) GPW – Gallons Per Week

Part 2D:	Site(s) and Building(s) Utility Configuration.
Purpose:	This part is intended to provide a comprehensive representation of all waste water facilities servicing applicant's site(s) and building(s) from point(s) of wastewater generation to point(s) of connection to community facilities.
Instructions:	The accompanying example may be considered to be typical of the type of information and the level of detail desired by this part of the survey. If the site is extensive, you may wish to depict the utilities on several related figures, for example, site utilities from building lines to the municipal sewer system followed by utility arrangement inside each building. Several additional sheets have been provided for this purpose; however, applicant may elect to submit separate reports/drawings depicting the desired information in lieu of the above.

FIGURE SU-1

XYZ COMPANY -- SITE UTILITIES

SCALE : 1''=50'



Part 2E: Site Schematic Flow Diagrams.

Purpose: This section is intended to provide a functional representation of all major activities, raw materials, finished products, production steps and associated sources of wastewater generation.

Instructions: The accompanying example may be considered to be typical of the information and the level of detail desired by this part of the survey. The applicant's attention is particularly referred to the legend format to be used in denoting the source, destination and amount of wastewater generated. Several additional sheets have been provided in order to accommodate all particular processes applicable to applicant's facility; however, applicant may elect to submit separate reports/drawings depicting the desired information in lieu of the above.

Typical Legend Comprehensive Summary

Type/source of wastewater	Site sewer used
Wastewater _____ GPD Avg	
Volume _____ GPD Max.	

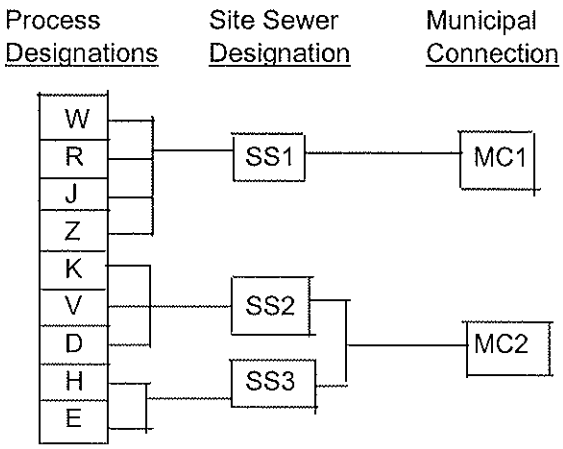
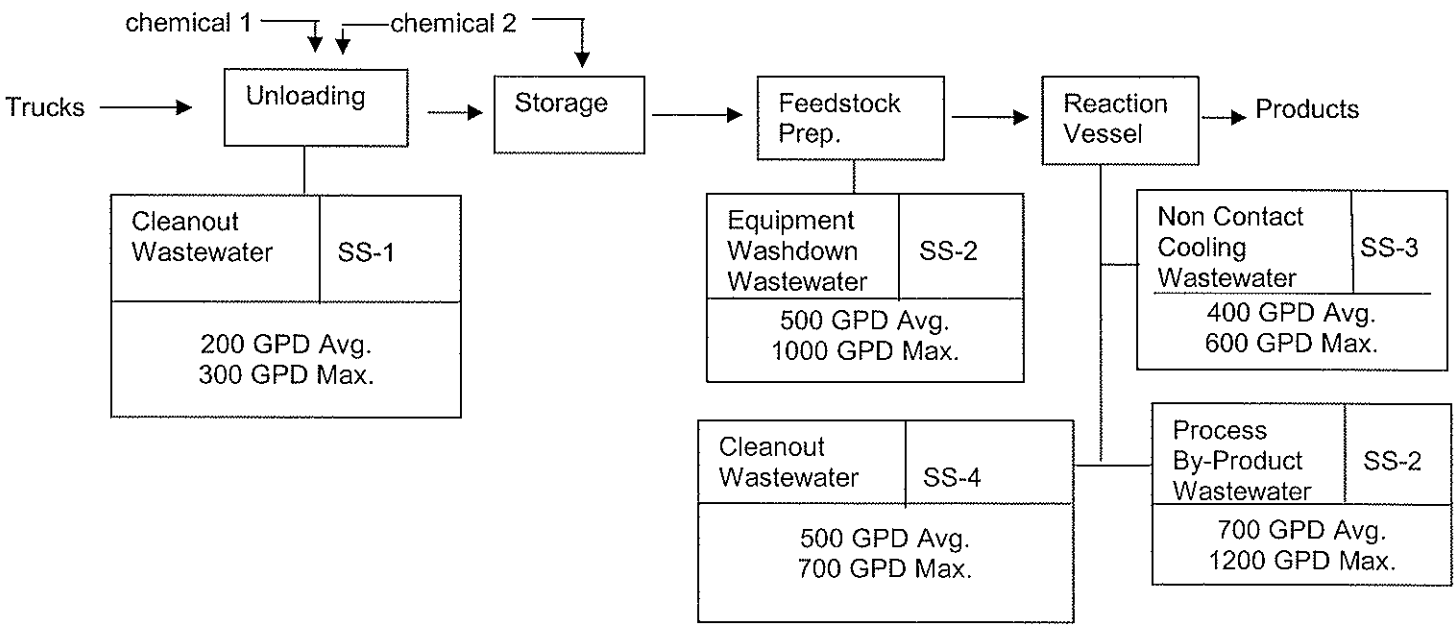


Figure SS-1
XYZ Company – Site Schematic Flow Diagram
Activity: Product "ABC" Preparation
Process "K"



Part 2D or 2E Drawings

Part 2D or 2E Drawings

Part 2F:	Wastewater Characteristics
Purpose:	This part is intended to completely define the volume, contaminant levels and other characteristics/variations in the above for all wastewater discharged from applicant's premises by its site sewers.
Instructions:	Using the attached schedule of parameters as a guide, identify which pollutants are applicable to the captioned facility's wastewater, the process(es) where they originate, the site sewers to which they are discharged, and the amount of the substances involved. Processes and site sewers should be identified using codes established in Parts 2D and 2E. The amount of each pollutant should be defined by its concentration and its annual poundage output from the facility's processes to the municipal sewer system. Where the discharge fails to comply with applicable regulations, cite the pollution abatement measures that are/will be installed in order to achieve compliance. The following notes apply to the completion of the wastewater characterization: 1. SA – Suspected Absent, KA – Known Absent, SP – Suspected Present, KP – Known Present: 2. Applicant shall have analytical tests performed by a certified laboratory in support of the previous declarations for substances within certain site sewer (s) as being either "SP" or "KP" and forward copies of the analyses with this application.

1. Wastewater Characterization (applicable to each industrial wastewater connection)

Pollutant	Presence				Process Nos.	Site Sewer Nos.	Known/ Probable Conc-PPM	Output Loading Lbs/Year
	SA	KA	SP	KP				
I. General Indicators:								
BOD_5								
COD								
TOC								
Total Suspended Solids								
Total Dissolved Solids								
pH								
Temperature								
II. Toxic Organic								
pollutants:								

2. Pollution Abatement Practices

A. Are pretreatment facilities considered necessary prior to discharge of an industrial wastewater to the municipal sewer system in order to comply with local, state, or Federal Regulations? ___Yes ___No

B. If yes, provide the following information for each location or form of pretreatment:

(a) Purpose pollutants (s) to be removed,
(b) Control method employed/proposed and its actual/rated performance,
(c) Loading rates/volumes/design capabilities (include reports/drawing if available).

C. If proposed, indicate the proposed initiation and completion dates for the following elements of the improvement(s) for each location or form of pretreatment system or facility.

(a) Planning
(b) Design
(c) Operations manual development
(d) Construction
(e) Optimization
(f) Confirmation of compliance

D. Various materials have been classified as toxic and/or hazardous pursuant to sections 307 (a) (1) and 311 (b) (2) (A) respectively of the Clean Water Act. Regulation implementing the Act require formulation of contingency plans and Section 304 (e) Best Management Practices (BMP) to prevent the release of toxic hazardous pollutants from plant site runoff, spillage or leaks, sludge or waste disposal and drainage from raw material storage associated with or ancillary to the manufacturing or treatment process. Cite measures undertaken at the captioned facility, which have resulted in its attaining compliance with these requirements. (Applicant may alternatively submit a report of equivalent content).

Applicant's Certification

I fully understand the information presented and have prepared and/or fully reviewed the responses requested under Section 2A-2F. I certify that this application accurately represents the premises' wastewater disposal practices and that I am duly authorized to render this determination.

_____	_____
Name (Signature)	Name (Signature)
_____	_____
Name (Typed)	Name (Typed)

DELCORA WASTEWATER MANAGEMENT SYSTEM