

*Surface Water Tracking, Reporting, and Electronic  
Application Management System (STREAMS)*

**NPDES Individual Permits**

**Creating New & Renewal Applications  
Modifications & Transfers**

May 31, 2016



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## **NPDES Individual Permits – Electronic Application Overview**

The STREAMS service provides the capability to electronically submit NPDES Individual Permit initial coverage permit applications as well as renewal applications. Each of these applications can be accessed via your personal dashboard (i.e., the opening screen in STREAMS which displays your permit list, application list, and reports list.). Applications that are created will be listed on the Application List where additional actions may be performed on them (ex. downloading PDF application, edit, delete, and delegate).

Working within your secure eBusiness Center account, the ease of use of the new innovative smart forms, one-click submittals without having to mail paper forms to the agency, and the ability to make fee payments online make the STREAMS service the go-to destination to submit your NPDES Individual Permits application forms – as well as applications for nearly 20 other permit types and dozens of additional reports (ex. non-compliance, priority pollutant report, annual reports, etc.)

Detailed steps on how to fully complete each permit application has been graphically displayed below.

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# Service Activation

State of Ohio | Ohio EPA | Logout



## eBusiness Center

eBusiness Home My Account ▾

jrobert



Welcome to the Ohio EPA eBusiness Center



Available Services <small>(What is this?)</small>				
Service	Action	Status	Facilities	Delegations
Air Services	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
Conference and Events Registration	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
Division of Surface Water Credible Data	<a href="#">Deactivate</a>	Ac tive	<a href="#">view/edit</a>	<a href="#">view/edit</a>
Division of Surface Water NPDES Permit Applications		Ac tive	<a href="#">view/edit</a>	
DMWM Compliance	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
DMWM Compost/Scrap Tire Facility Registration	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
DMWM Infectious Waste Generator Registration	<a href="#">Request</a>	Inac tive		
DMWM Scrap Tire Transporter Registration	<a href="#">Request</a>	Inac tive		
DMWM Solid Waste/C&DD Disposal Fees (Submit Report)	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
DMWM Solid Waste/C&DD Facility Licensing	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
e-DMR	<a href="#">Deactivate</a>	Ac tive	<a href="#">view/edit</a>	<a href="#">view/edit</a>
e-Drinking Water Reports	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
E2 Administration	<a href="#">Deactivate</a>	Ac tive	<a href="#">view/edit</a>	<a href="#">view/edit</a>
Hazardous Waste Report (eDRUMS)	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
OEEF Grant Service (No PIN Required)	<a href="#">Request</a>	Inac tive		
Pay Ohio EPA Fees Online	<a href="#">Request</a>	Inac tive	<a href="#">view/edit</a>	
Water/Wastewater Exam Providers: Apply for Approval and Upload Scores	<a href="#">Request</a>	Inac tive		
Water/Wastewater Operators: Apply for Exams, Renewal and Contact Hours	<a href="#">Request</a>	Inac tive		
Water/Wastewater Training Providers: Apply for Contact Hours and Upload Attendance	<a href="#">Deactivate</a>	Ac tive		

My Tasks (2)			
Name ▾	Status ▾	Created ▾	Action
PIN Activated	Ac tive	03/30/2009 15:01:27	<a href="#">hide</a>
<a href="#">View e-DMR Service Request (94296) for Clifton WWTP (17464) with regulatory program ID (1PA00023, OH0118567)</a>	Pending	10/05/2015 09:02:49	<a href="#">hide</a>

A *service* is a division within Ohio EPA that offers electronic services. To access STREAMS, click on *Division of Surface Water NPDES Permit Applications* (i.e., *STREAMS*) to select the service – you will be directed immediately.



## eBusiness Center

### Division of Surface Water NPDES Permit Applications Service Activation

Would like to activate this service for you account?

Yes

Cancel

The first time you select this service you will be prompted to activate it – simply click **Yes**. You will now be directed to your personal dashboard where you can add permits to your personal list/view, complete permit applications and various reports, and make fee payments using the ePayment Service. *NOTE: A PIN is not required to activate this service – thus you can access this service at any time to create applications and reports; although, a PIN will be required to submit the applications/reports that you create. All applications/reports can also be delegated within seconds to another user account that has a PIN to perform the official submittal.*

# New Permit Applications



Permit List 0 Add Permit

You do not have any permits associated with your account. If you have a permit and know the permit number please click the 'Add Permit' button above and enter your permit number. Once your permit has been added you can perform actions on that permit from the 'Actions' menu. For a detailed explanation click the 'Form Instructions' below.

Application List 0 Form Instructions Create New Permit Application

Application ID	Number	Application Type	Applicant Name	Updated	Status	Actions
No items to display						

Report List 0 Create Report

Report ID	Report Type	Location Name	Permit Number	Updated	Status	Actions
<input type="text"/>						

From your personal dashboard, select *Create New Permit Application*.



# eBusiness Center

eBusiness Center Admin ▾

jrober

## Initial Permit Information

Select the type of permit application you wish to create

Indirect Discharge NPDES Permit - New, Renew, or Modification



This application will require you to lookup your facility before you can proceed.

[Find Facility](#)

[Cancel](#)

From your dropdown, select *Indirect Discharge NPDES Permit – New, Renew, or Modification* from the list and click *Find Facility*.

Facility/Site Name Search Criteria

Facility Name  Facility ID

---

Facility/Site Address Search Criteria

Facility Address/Location  State

City  Zip Code

County

Enter one of the search criteria fields and click ***Search by Name/ID*** (or ***Search by Address***).

Facility Search Results 40

Map ID	Facility	Actions
1	PPG Industries Ohio at Matlack 1795 Feddern Ave Grove City, OH 43123 Latitude: 39.913243 Longitude: -83.042645	Select this facility
2	PPG Industries Reporting Facility 559 Pittsburgh Rd Circleville, OH 43113 Latitude: 0.000000 Longitude: 0.000000	Select this facility
3	PPG Resins & Coatings 876 Pittsburgh Dr DELAWARE, OH 43015 Latitude: 0.000000 Longitude: 0.000000	Select this facility
4	PPG Industries Mid-State Warehouse 325 W Main St Newark, OH 43055 Latitude: 0.000000 Longitude: 0.000000	Select this facility

Search

« < 1 2 ... > » 1 - 4 displayed , 40 in total

From the search results, click the *Select this Facility* button to select the given facility.

## Confirm Facility Location

Please verify that the latitude and longitude coordinates shown below are correct.

**Facility**  
PPG Industries Ohio at Matlack

**Address**  
1795 Feddern Ave

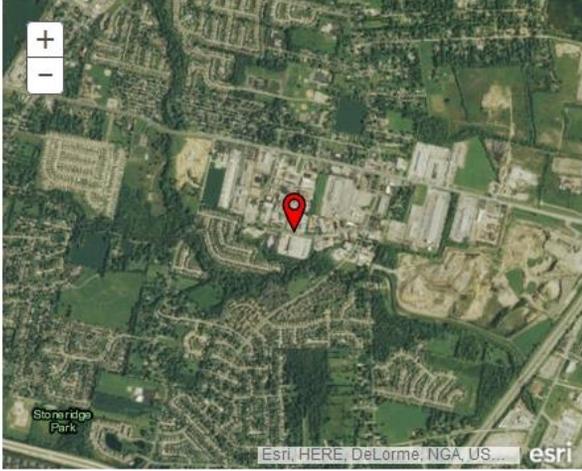
**City**  **State**  **Zip Code**

Use the map on the right to confirm that the latitude and longitude values are correct for the selected facility.

Satellite View

**Latitude**

**Longitude**



Confirm Data and Continue Cancel

Confirm the facility location information, once complete click the *Confirm Data and Continue* button to select the given facility.

3	PPG Resins & Coatings 876 Pittsburgh Dr DELAWARE, OH 43015 Latitude: 0.000000 Longitude: 0.000000	Select this facility
4	PPG Industries Mid-State Warehouse 325 W Main St Newark, OH 43055 Latitude: 0.000000 Longitude: 0.000000	Select this facility

Search « < **1** 2 ... > » 1 - 4 displayed , 40 in total



If no facilities were found using the given search criteria and you made multiple search attempts using different search criteria and no matches are found, click on the 'Create New Facility' button to go to the Facility Profile screen where you can enter facility identification information.

**Please note:** You may be at risk of losing work you perform in the selected service if you are not certain that your facility does not already exist in the agency database and you erroneously create a duplicate facility and begin working in the selected service under the duplicate facility record. If you are uncertain, please continue searching the Agency database using more inclusive (i.e., less specific) search criteria, or contact support staff for the regulatory program to obtain assistance.

Create New Facility

If no results were returned from the facility search of the Agency database, scroll down to the bottom of the page and click the **Create New Facility** button.

New Facility Information

**Facility Name**

**Facility Address Line 1**

**Facility Address Line 2**

**City**  **State**  **Zip Code**

**County**

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

**Latitude**

**Longitude**

**Collection Method**

Satellite View



If you selected to create a facility, fill in the on screen facility information and locational information and click the **Create New Facility** button at the bottom of the screen.

**Initial Permit Information**

Select the type of permit application you wish to create

Indirect Discharge NPDES Permit - New, Renew, or Modification

---

**Facility/Site Location Information ( 132828 )**

**Facility Name**

PPG Industries Ohio at Matlack

**Facility Address/Location**

1795 Feddem Ave

**City**  **State**  **Zip Code**

**County**  **Township**

Confirm the facility/Site Location information and click the *Create Permit Application* to launch the application form.

## NPDES General Form 1

### NPDES Individual Permit Application

[Form Instructions](#)

**I. General Information**

**Is this a NEW or RENEWAL application?**

New  
 Renewal

**U.S. EPA Individual Permit Number**

OH0124966

**Ohio EPA Individual Permit Number**

0PV00025

Begin the NPDES Individual permit application by filling out General Form 1. For renewal permit applications, information in the previous version of the permit will autopopulate by the system into the STREAMS renewal application.

## II. Pollutant Characteristics

INSTRUCTIONS: Complete A through G to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms**.

A. Is this facility a <b>publicly owned treatment works</b> which results in a <b>discharge to waters of the U.S.</b> ?(FORM 2A)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2A</a>
B. Does or will this facility <i>either existing or proposed</i> include a <b>concentrated animal feeding operation</b> or <b>aquatic animal production facility</b> which results in a <b>discharge to waters of the U.S.</b> ?(FORM 2B)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2B</a>
C. Is this a facility which currently results in <b>discharges to waters of the U.S.</b> other than those described in A or B above? (FORM 2C)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2C</a>
D. Is this a proposed facility ( <i>other than those described in A or B above</i> ) which will result in a <b>discharge to waters of the U.S.</b> ?(FORM 2D)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2D</a>
E. Is this a facility which does not discharge process <b>wastewater</b> ?(FORM 2E)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2E</a>
F. Is this a facility which discharges stormwater associated with industrial activity?(FORM 2F)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2F</a>
G. Do you generate <b>sewage sludge</b> that is ultimately regulated by Part 503? Do you generate <b>sewage sludge</b> that is sent to another facility for treatment or blending? Do you process or derive material from <b>sewage sludge</b> that is disposed in a manner subject to Part 503?(FORM 2S)	<input type="radio"/> Yes <input type="radio"/> No	<a href="#">Edit Form 2S</a>

Complete Section II by clicking the *Yes/No* buttons to each of the questions. If you select *Yes*, the appropriate form will be selectable on the right – you can click the links at any time during the application to add/edit the information.

**Facility Information**

**III. Name of Facility**

Country Woods Estates Mobile Home Park

**IV. Facility Contact**

Provide information for the person who is thoroughly familiar with the operation of this facility and this application who may be contacted by the reviewing offices.

**First Name**                      **Last Name**

John                                      Cook

**Title**

Owner

**Email**                                      **Phone**

Email                                      (740) 649-2582

Facility information may be autopopulated by the system and can be edited.

**V. Facility Mailing Address**

Provide the mailing address where all correspondences regarding this application should be sent.

**Address**

2150 Stone Road

**City**

Chillicothe

**State**

OH

**Zip Code**

45601

**VI. Facility Location**

Give the address or location of the facility. If the facility lacks a street name or route number, give the most accurate alternative geographic information.

**Address/Description**

2150 Stone Road

**City**

Chillicothe

**State**

OH

**Zip Code**

45601

**County Name**

Ross

**County Code**

71

Verify/edit the facility mailing address and facility location information.

**VII. SIC Codes**

List in descending order of significance the four Standard Industrial Classification (SIC) codes which best describe your facility in terms of the principal products or services you produce or provide. These classifications may differ from the SIC codes describing the operation generating the discharge, air emissions, or hazardous wastes.

**SIC1**

4952 - Sewerage Systems

**SIC2**

Enter SIC Code or Name

**SIC3**

Enter SIC Code or Name

**SIC4**

Enter SIC Code or Name

**Facility Owner Information**

Provide information for the person, firm, public organization or other entity which owns the facility. This may or may not be the same name as the facility.

**Legal Name**

Legal Name

**Address**

Address

**City**

City

**State**

Select State...

**Zip Code**

Zip Code

Enter the Standard Industrial Classification (SIC) codes – up to four. Enter the Facility Owner Information.

**VIII. Facility Operator Information**

Provide information for the person, firm, public organization or other entity which operates the facility. This may or may not be the same name as the facility. The operator of the facility is the legal entity which controls the facility's operations, rather than the plant or site manager. Do NOT use a colloquial name.

**Is Owner also Operator?**

Yes

No

**First Name**

E

**Last Name**

Wayne Grigsby

**Title**

Title

**Email**

Email

**Phone**

(740) 703-5180

**Address**

473 Storts Rd

**City**

Frankfort

**State**

OH

**Zip Code**

45628

**Operator Status**

Private

**IX .Is this facility located on Indian Lands?**

No

Enter the facility operator information.

**Billing Contact Information**

Provide information for the person who should be contacted regarding billing.

**Copy Facility Contact to Billing Contact**

**First Name**  **Last Name**

**Title**

**Email**  **Phone**

**Address**

**City**  **State**  **Zip Code**

Provide the billing contact information. Click the *Copy Facility Contact to Billing Contact* button if they are the same. The system will then populate the billing fields with the facility contact info – you can edit the fields if necessary.

## X. Existing Environmental Permits

Have any currently effective environmental permits been issued to the facility? If the answer is yes for any category, provide the effective permit number or, in the case where the permit has been applied for but not yet issued, the permit application number.

### A. NPDES

Yes  No

### NPDES #

0PV00025\*CD

### B. UIC

Yes  No

### UIC #

UIC #

### C. RCRA

Yes  No

### RCRA #

RCRA #

### D. PSD

Yes  No

### PSD #

PSD #

### E. Other

Yes  No

### Other (specify)

Other description

### Other #

Other #

### F. Other

Yes  No

### Other (specify)

Other description

### Other #

Other #

Utilize the *Yes/No* toggles to enter in existing environmental permit information. If you select *Yes*, enter the associated information for each.

## XI. Map

Attach to this application a topographical map of the area extending to at least one mile beyond the property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures (outfalls), each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area.

### Topographical Map

**Browse...** No file chosen

## XII. Nature of Business

Provide a brief description of the nature of this business.

This is a 15,600 gpd extended aeration wastewater plant. The plant has sand filters, chlorination, and dechlorination.

Click the **Browse** button to select a topographical map file from your computer and provide a brief description of the nature of business.

**Antidegradation Addendum**

The Antidegradation Addendum is required. Select the button below to edit this form.

[Edit Antidegradation Addendum](#)

**Supplementary Information**

Attach additional documents to provide supplementary information as needed.

**Additional Attachments**

[Browse...](#) You may add another attachment

**NPDES Individual Permit Application** [EDIT](#)

General Information

[Validate](#) [Save](#) [Submit](#) [Exit](#)

Click the ***Edit Antidegradation Addendum*** button, the addendum form will appear. Enter the information on the form, click the ***Save*** button at the bottom of the form, and click ***Exit*** – you will be directed back to the General Form 1.

You now have the option to click the ***Validate*** button to see if all fields have been filled out correctly, ***Save***, ***Exit***, or click ***Submit*** to submit the application to the agency. A saved application will be housed in your Application List on your personal dashboard until submitted, deleted, or delegated to another individual to submit. *NOTE: The option to print, delete, edit, and delegate the application will be available from your personal dashboard.*

## NPDES Form 2A

# Application for Permit to Discharge Wastewater Publicly Owned Treatment Works

[Form Instructions](#)

**I. Outfall Information**

**A. Description of Outfalls**

List all effluent outfalls through which sanitary wastewater is discharged. Do not include information on combined sewer overflows (CSO's) or collection system / treatment works bypass points.

Outfall Number <sup>^</sup>	Latitude <sup>v</sup>	Longitude <sup>v</sup>	Lat/Long	Collection Method <sup>v</sup>	Lat/Long Verified? <sup>v</sup>	Discharge Point Location <sup>v</sup>	Receiving Water <sup>v</sup>	Actions
<input type="text" value="Search"/>								No items to display

Populate the outfall location table by adding outfall information. Click the **Add New Outfall** button to access the below form. Enter the outfall number, receiving water, and latitude/longitude and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Outfall Information

### Outfall #

### Discharge Point Location

### Receiving Water

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Satellite View



**B. Intermittent Discharges**

Except for storm runoff, leaks, or spills, are any of the listed outfalls intermittent or seasonal?

Yes No

Outfall Number	Period of Discharge	Frequency	Duration	Actions
Search				No items to display

Add New Discharge

Select **Yes/No** in Part B above. If applicable, click the **Add New Discharge** button to access the below form. Enter the intermittent discharge information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

**Intermittent Discharge Information**

**Outfall #**  
 Select an outfall...

**Period of Discharge**  
 Period of Discharge

**Frequency**  
 Frequency

**Duration**  
 Duration

Save Cancel

**II. Treatment Works Information**

**A. Population**

List municipalities and unincorporated areas served, along with the population of each.

Municipality	Population	Action
<a href="#">Add New Municipality</a>		
<b>Total Population Served</b>		

Click the **Add New Municipality** button to access the below form. Enter the municipality information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

**Municipality**

**Municipality**

**Population**

[Save](#) [Cancel](#)

**B. Collection System**

**1. Estimate the % contribution of each type of collection system tributary to this treatment plant. Enter zero (0) if a system type is not applicable.**

**Separate Sanitary Sewer**

Separate Sanitary Sewer

**Combined Storm & Sanitary Sewer**

Combined Storm & Sanitary Sewer

**2. Are you responsible for maintenance of the entire collection system tributary to the treatment plant?**

Yes

No

**3. Indicate the total number of lift stations in your collection system.**

**Separate Sanitary Sewer Lift Stations**

Separate Sanitary Sewer Lift Stations

**Combined Storm & Sanitary Lift Stations**

Combined Storm & Sanitary Lift Stations

**4. Does your collection system have bypasses or overflows (do not count CSOs)?**

Yes

No

Fill out the collection system information contained in Part B. Select *Yes/No* and fill out the associated fields.

Are any of the overflows or bypasses at locations specifically constructed to provide hydraulic relief to the collection system?

Yes No

Please provide the following information for each specifically constructed bypass or overflow.

Station Number	Discharge Point Description	Latitude	Longitude	Lat/Long Collection Method	Lat/Long Verified?	Receiving Water	Treatment Description	Action
----------------	-----------------------------	----------	-----------	----------------------------	--------------------	-----------------	-----------------------	--------

Add New Bypass or Overflow

Are any of the overflows or bypasses at locations that are unintentional and beyond the reasonable control of the operator?

Yes No

Select **Yes/No** above. If applicable, click the **Add New Bypass or Overflow** button to access the below form. Enter the bypass/overflow information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Bypass or Overflow Information

### Station Number

### Discharge Point Description

### Receiving Water

### Treatment Description

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Collection Method

### Satellite View



5. List potable water source type (surface water, ground water) for all sources used by the population tributary to the entire collection system. Provide the location and owner of the water supply source(s).

Source Type	Source Location	Source Owner	Action
			<a href="#">Add New Source of Water</a>

Click the **Add New Source of Water** button to access the below form. Enter the source of water information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

Source of Water

Source Type  
Select a Source Type...

Source Location  
Source Location

Source Owner  
Source Owner

Save Cancel

**C. Inflow and Infiltration**

**1. Estimate the current average inflow and infiltration flow rate in gallons per day (gpd) for the sewerage system.**

**Average Inflow and Infiltration Rate (gpd)**

Designed daily influent rate

**2. Briefly explain any steps underway or planned to minimize inflow and infiltration or check here to upload a document:**

Plans to minimize inflow and infiltration

Fill out the inflow and infiltration information contained in Part C.

#### D. Flow

Indicate the design influent flow rate of your treatment plant, in million gallons per day (mgd) to three decimal places accuracy.

##### 1. Designed daily influent rate

##### 2. Annual average daily flow rate

###### Two years ago

###### Last year

###### This year

##### 3. How was flow rate measured?

##### 4. Location where measured

##### 5. Are there current or expected plans to expand the existing treatment plant capacity during the life of this permit?

 Yes No

Please provide details of the planned expansion or check here to upload a document:

Fill out the flow information contained in Part D. Use the dropdown arrow to select the method used to measure flow rate.

### E. Treatment System Description

1. Give the approximate year in which the treatment plant was constructed.

2. Give the approximate year of the last major modification to the treatment plant.

3. List all treatment units at the treatment plant. Do NOT include units for treating sewage sludge.

Treatment Code	Treatment Type	Manufacturer	Action
----------------	----------------	--------------	--------

Add New Treatment

Fill out the treatment system description information in Part E. Click the *Add New Treatment* button to populate treatment information contained in the below window.

### Treatment Information

**Treatment Type**

**Manufacturer**

Save Cancel

4. Does this treatment plant have provisions for bypassing untreated or partially treated wastewater?

Yes No

Please provide the following information for each treatment system bypass.

Station Number	Bypass Location	Bypass Type	Times Used in Past Year	Action
				<a href="#">Add New Treatment System Bypass</a>

5. Does your treatment plant have backup generators or other provisions to allow operation and/or treatment to continue during power outages?

Yes No

Click the *Add New Treatment System Bypass* button to populate bypass information contained in the below window.

### Treatments

**Station Number**  
Enter Station Number (if applicable)

**Bypass Location**  
Bypass Location

**Bypass Type**  
Bypass Type

**Times Used in Past Year**  
Times Used in Past Year

[Save](#) [Cancel](#)

## F. Treatment Operations

1. Indicate the number of each type of employee at the treatment works and the hours per day and days per week the plant is staffed.

### Collection System Employees

### Work Hours Per Day

### Work Days Per Week

### Treatment Works Employees

### Work Hours Per Day

### Work Days Per Week

2. Provide the name and certification of the person in responsible charge of the treatment works.

### Name

### Certification Number

3. Provide the name and certification of the person(s) in charge of the collection system tributary to the treatment plant (if known).

### Name

### Certification Number

### Action

Add New Collection System Responsible Person

Fill out the treatment operations information in Part F. Click the *Add New Collection System Responsible Person* button to populate the information contained in the below window.

### Collection System Responsible Person

**Name**

**Certification Number**

4. Does the treatment works (collection system and/or treatment plant) have an Operations and Maintenance Manual?

Yes No

Please provide the following information for each operations and/or maintenance manual.

Manual Type	Developed By	Date Developed	Last Modified	Action
-------------	--------------	----------------	---------------	--------

Add New Operations or Maintenance Manual

Click the *Add New Operations or Maintenance Manual* button to populate O&M Manual information contained in the below window.

Operations or Maintenance Manuals

**Manual Type**  
Select a manual type...

**Developed By**  
Developed By

**Date Developed**  
Click here to select a date.

**Last Modified**  
Click here to select a date.

Save Cancel

### G. Improvements

1. Are you required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operating of wastewater treatment equipment or practices or any other environmental program which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative orders, enforcement compliance schedule letters, stipulations, court orders and grant or loan conditions.

Yes  No

Please provide the following information for each construction activity, upgrade or change in operations you are required to implement.

Identify Condition	Outfall #	Project Description	Completion Date	Action
				<input type="button" value="Add New Improvement"/>

2. Do you wish to provide information describing any additional water pollution control programs (or other environmental projects which may affect your discharge) that are currently in progress or planned?

Yes  No

Please provide details, including the implementation schedule(s), for additional water pollution control or environmental projects.

Details of additional projects

Fill out the improvements information in Part G. Click the **Add New Improvement** button to populate improvement information contained in the below window.

The screenshot shows a form titled "Required Construction, Upgrades or Operations Information". It contains the following fields and controls:

- Identify Condition:** A text input field with the placeholder text "Identify condition".
- Outfall #:** A dropdown menu.
- Description:** A text input field with the placeholder text "Description".
- Completion Date:** A date selection field with a calendar icon and the text "Click here to select a date."
- Buttons:** "Save" and "Cancel" buttons at the bottom right.

### III. Combined Sewer Systems

**A. Does the treatment works have Combined Sewer Overflows in the collection system?**

Yes
  No

Please provide details for each combined sewer overflow.

Overflow #	Description	Latitude	Longitude	Receiving Water	Action
					<input type="button" value="Add New Overflow"/>

Select **Yes/No** pertaining to CSOs and if applicable, click the **Add New Overflow** button to populate overflow information contained in the below window.

### Overflow Information

**Overflow #**

**Description**

**Receiving Water**

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

**Satellite View**

**Enter Coordinates in Degrees, Minutes, Seconds**

**Latitude**

**Longitude**

Enter overflow number, description, receiving water, and the latitude/longitude.

B. Have any system evaluation studies of the combined sewer collection system (including modeling and hydraulic studies, past monitoring efforts, facility plans, etc.) been performed since the last permit application?

Please provide the following information for each construction activity, upgrade or change in operations you are required to implement.

Study Date	Study Title	Study Author	Action
			<input type="button" value="Add New Study"/>

Click the **Add New Study** button to populate the system evaluations study information contained in the below window.

### System Evaluation Studies

**Study Date**  
 Click here to select a date.

**Study Title**

**Study Author**

## IV. Industrial Users Information

### A. Number of Industrial Users

Provide the number of each of the following types of industrial users that discharge to this treatment works.

**Significant Industrial Users** are users that:

- discharge >25,000 gpd to a POTW;
- are Categorical Industrial Users;
- contribute >5% of the dry weather influent flow of a POTW;
- contribute >5% of the influent BOD of a POTW; or
- are designated as Significant Industrial Users by Ohio EPA or an approved pretreatment authority.

**Categorical Industrial Users** are industrial dischargers to a POTW that are subject to federal treatment technology standards in 40 CFR 405-471.

#### Industrial Users

#### Non-categorical Significant Industrial Users

#### Categorical Industrial Users

Fill out the Industrial Users Information section.

## B. Average Daily Flow from all Industrial Users

Estimate the total average daily wastewater flow (in MGD) from all industrial users in each category.

### All Industrial Users Daily Flow

### Non-categorical Significant Industrial Users Daily Flow

### Categorical Industrial Users Daily Flow

## C. Pretreatment Program

Does this POTW have an approved pretreatment program?

 Yes No

## D. Effluent Characteristics

Effluent Characteristics Spreadsheet [Blank Form](#)

No file chosen

Select **Yes/No** pertaining to an approved pretreatment program. Click the **Browse** button to upload the Effluent Characteristics Spreadsheet. To access a blank copy of the spreadsheet, simply click the link for **Blank Form** to download the Microsoft Excel file (as shown on the next page). Select the **Save File** option and click the **OK** button. Open the spreadsheet from your saved location. Click the **Browse** button to upload the electronic file when complete.

Form2AEffluentCharacteristics.xlsm - Excel

File Home Insert Page Layout Formulas Data Review View Developer ACROBAT Tell me what you

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H15

7	Facility Name						
9	Data Collection Period	from:			to:		
11	1. Pollutant	CAS #	SWIMS Pollutant ID	Sample Results (enter sampling date below)			Units
12				#1	#2	#3	
13							
14	<b>METALS, CYANIDE, TOTAL PHENOLS</b>						
15	Antimony, Total	7440-36-0	12182				
16	Arsenic, Total	7440-38-2	12183				
17	Beryllium, Total	7440-41-7	12184				
18	Cadmium, Total	7440-43-9	12185				
19	Chromium, Total	7440-47-3	12186				
20	Copper, Total	7440-50-8	12187				
21	Lead, Total	7439-92-1	12188				
22	Mercury, Total	7439-97-6	12189				
23	Nickel, Total	7440-02-0	12190				
24	Selenium, Total	7782-49-2	12191				
25	Silver, Total	7440-22-4	12192				
26	Thallium, Total	7440-28-0	12193				
27	Zinc, Total	7440-66-6	12194				
28	Cyanide, Total	57-12-5	12195				
29	Phenols, Total		12196				
30	<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>						
31	Acrolein	107-02-8	12198				
32	Acrylonitrile	107-13-1	12199				

Input

Enter 3 digit outfall number (e.g. 001).

001

OK Cancel

**V. Remediation Waste Cleanup Information**

**A. RCRA/CERCLA/BUSTR/VAP Wastes**

Does the treatment works currently receive (or is it expected during the life of the permit to receive) RCRA Hazardous waste, CERCLA (Superfund) site remediation waste, RCRA corrective action waste, BUSTR waste or VAP waste?

Yes
  No

Please provide the details of any RCRA / CERCLA / BUSTR / VAP waste received or expected to be received.

Type of Action	Waste Origin	Waste Description	Action
			<a href="#">Add New Waste Detail</a>

Select **Yes/No** pertaining to RCRA/CERCLA/BUSTR/VAP wastes and if applicable, click the **Add New Waste Detail** button to populate waste detail information contained in the below window.

**RCRA / CERCLA / BUSTR / VAP Waste Details**

**Action Type**

**Waste Origin**

**Waste Description**

VI. Contract Laboratory Information

Contract Laboratory Analysis Information

Are any of the analyses used to obtain effluent quality information or toxicity test data performed by a contract laboratory or consulting firm?

Yes  No

Provide the contract lab or consulting firm details.

Name of Lab/Firm	Address	Telephone #	Pollutants Analyzed	Action
				<a href="#">Add New Lab Detail</a>

Select **Yes/No** pertaining to contract laboratory analysis and if applicable, click the **Add New Lab Detail** button to populate contract lab and consulting firm information contained in the below window.

## Contract Lab & Consulting Firm Details

### Name of Lab/Firm

### Address

### City

### State

### Zip Code

### Country

### Telephone #

### Available Pollutants (19)

- Ammonia-nitrogen
- Bis(2-ethylhexyl)phthalate
- CBOD
- Chemical oxygen demand
- Dissolved orthophosphate
- Hardness, total
- Low-level free cyanide
- Low-level mercury
- Metals
- Nitrate+Nitrite

Add →

← Remove

### Selected Pollutants (0)

Save

Cancel

## VII. Biological Toxicity Test Data

Based on the stated designed influent flow rate for the POTW subject to this application, whole effluent biological toxicity testing IS NOT required to be submitted with this application. However, you may submit such test data if you desire. Do you wish to submit whole effluent biological toxicity test data with this application?

Yes  No

Please upload a copy of your whole effluent biological toxicity test data.

You may add another attachment

NPDES Individual Permit Application

Application for Permit to Discharge Wastewater Publicly Owned Treatment Works

Select **Yes/No** pertaining to whole effluent biological toxicity test data and if applicable, click the **Browse** button to upload an electronic copy of the data. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

## NPDES Form 2B

# Application for Permit to Discharge Wastewater Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities

 Form Instructions

### I. General Information

Select the type of business which best represents your operation.

- Concentrated Animal Feeding Operation
- Concentrated Aquatic Animal Production Facility

Is this application for a proposed or an existing facility?

- Existing Facility
- Proposed Facility

Select Concentrated Animal Feeding Operation or Concentrated Aquatic Animal Production Facility and whether it is an existing or proposed facility. *(Note: The below steps provide a walkthrough of the Concentrated Animal Feeding Operation selection and are immediately followed by a walkthrough of the Concentrated Aquatic Animal Production Facility selection.)*

**Is this a contract operation?**

**Integrator Name**

**Address**

**City**

**State**  **Zip Code**  **Country**

Select whether or not this is a contract operation; if so, fill out the corresponding name and address information.

## II. Concentrated Animal Feeding Operation Characteristics

### A. Type and Number of Animals

Indicate the animals present at your operation. For the selected animals, indicate the total number maintained at your facility.

Type of Animal	Number of Animals In Open Confinement	Number of Animals Housed Under Roof	Action
			<a href="#">Add New Animal Detail</a>

Total Animals In Open Confinement:

Total Animals Housed Under Roof:

Click the *Add New Animal Detail* button and fill out the below popup form.

#### Animal Details

Enter your animal data here.

**Animal Type**

**Number of Animals In Open Confinement**

**Number of Animals Housed Under Roof**

**B. Manure, Litter, and/or Wastewater Production and Use**

**1. How much manure, litter and wastewater is generated annually by the facility? (Enter '0' if no litter or wastewater is generated)**

**Tons**

**Gallons**

**2. Is manure, litter and/or wastewater from the facility disposed of by land application?**

 Yes  No

**How many acres available for land application are under the control of the permit applicant?**

**3. How many tons of manure or litter or gallons of wastewater produced by the CAFO will be transferred annually to other persons? (Enter '0' if no litter or wastewater is transferred)**

**Tons**

**Gallons**

Enter the information regarding Manure, Litter, and/or Wastewater Production and Use.

**D. Type of Containment, Storage and Capacity**

1. Indicate the types of stormwater containment employed at your operation. For the selected types, indicate the total capacity (in gallons) maintained at your facility.

Type of Containment	Capacity (in gallons)	Action
		<a href="#">Add New Containment Detail</a>

2. Report the total number of acres draining to and collected in the facility's containment areas.

3. Indicate the types of manure, litter or wastewater storage employed at your operation. For the selected types, indicate the total capacity maintained at your facility for each storage type in terms of both days and gallons/tons.

Type of Storage	Days	Capacity	Action
			<a href="#">Add New Storage Detail</a>

Enter the information regarding Type of Containment, Storage and Capacity. Click the *Add New Containment Detail* and *Add New Storage Detail* buttons to add corresponding information (forms below).

### Containment Details

Enter your stormwater containment data here.

**Containment Type**  
Select Containment Type...

**Containment Capacity (in gallons)**  
Capacity

Save Cancel

### Storage Details

Enter your manure/litter/wastewater storage data here.

**Storage Type**  
Select Storage Type...

**Storage Days**  
Days

**Storage Capacity**      **Storage Capacity Units**  
Capacity      Select Storage Capacity Units...

Save Cancel

### E. Nutrient Management Plan

Is a nutrient management plan being implemented at this facility?

Yes  No

What is the date of the most recent review or revision of the nutrient management plan?



Will you be including a new or updated nutrient management plan with this permit application?

Yes  No

Upload a copy of your nutrient management plan

No file chosen

Enter the information regarding the Nutrient Management Plant – select the date using the calendar and click the **Browse** button to upload an electronic copy of the nutrient management plan.

## F. Land Application Best Management Practices

Indicate the best management practices currently employed at your facility to control runoff and protect water quality. Use the Add Practices button to add entries to the text area below.

Add Practices

NPDES Individual Permit Application **EDIT**

Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities

Validate

Save

Close

Enter the information regarding Land Application Best Management Practices and click the **Add Practices** button to fill out the below form. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

Select best practices

Use the list boxes below to indicate the best management practices currently employed at your facility to control runoff and protect water quality. Select one or more practices from the Available Practices list and click the Add button to add practices to the Best Management Practices list. You may remove practices from the Best Management Practices list by selecting the practices to be removed and clicking the Remove button.  
If your facility employs best management practices not included in the list, please enter these best practices in the box at the bottom of the form.

Available Practices (8)

- Buffers
- Conservation Tillage
- Constructed Wetlands
- Grass Filter
- Infiltration Field
- Other
- Setbacks
- Terrace

Best Management Practices (0)

Add →

← Remove

Save Cancel

# Application for Permit to Discharge Wastewater Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities

 Form Instructions

## I. General Information

**Select the type of business which best represents your operation.**

- Concentrated Animal Feeding Operation
- Concentrated Aquatic Animal Production Facility

**Is this application for a proposed or an existing facility?**

- Existing Facility
- Proposed Facility

To submit Form 2B for a Concentrated Aquatic Animal Production Facility select the appropriate option at the top of the form.

### III. Concentrated Aquatic Animal Production Facility Characteristics

A. Provide the requested information for all outfalls identified on the map included with Form 1. Values given for flow should be representative of your normal operation. The maximum daily flow is the maximum measured flow occurring over a calendar day. The maximum 30-day flow is the average of measured daily flow over the calendar month of highest flow. The long-term average flow is the average of measured daily flows over a calendar year.

Outfall #	Max Daily Flow (in gallons)	Max 30 Day Flow (in gallons)	Long Term Avg Flow (in gallons)	Action
-----------	--------------------------------	---------------------------------	------------------------------------	--------

Add New Outfall

Enter the information in Section III (facility characteristics). Click the **Add New Outfall** button and populate the below form. Click the **Save** button to save the entries and return to Form 2B.

#### Outfall Information

Enter your outfall data here.

**Outfall #**

**Maximum Daily Flow (in gallons)**

**Maximum 30 Day Flow (in gallons)**

**Long Term Average Flow (in gallons)**

**B. List the total number of ponds, raceways or other structures at your facility. If you have "other" structures, please provide a description.**

**1. Number of Ponds**

**2. Number of Raceways**

**3. Number of Other Structures**

**C. Provide the names of the receiving water and the source of water used by your facility.**

**1. Receiving Water Name**

**2. Source Water Name**

Fill out Part B and C (above). Fill out Part D (below) and click the *Add New Cold Water Species Detail* and *Add New Warm Water Species Detail* buttons as applicable. These forms are shown below.

**D. List the species of fish or aquatic animals held and fed at your facility. For each species, give the total weight produced by your facility per year in pounds of harvestable weight, and also give the maximum weight present at any one time.**

Cold Water Species	Yearly Harvest (in pounds)	Maximum Present (in pounds)	Action
			<a href="#">Add New Cold Water Species Detail</a>
Warm Water Species	Yearly Harvest (in pounds)	Maximum Present (in pounds)	Action
			<a href="#">Add New Warm Water Species Detail</a>

The screenshot shows a web form titled "Species Details". At the top, there is a light green banner with the text "Enter your species data here.". Below this, the form is organized into sections. The "Species" section contains a dropdown menu with the placeholder text "Select Species ...". The "Yearly Harvest (in pounds)" section contains a text input field with the placeholder text "Yearly Harvest". The "Maximum Present (in pounds)" section contains a text input field with the placeholder text "Maximum Present". At the bottom right of the form, there are two buttons: a blue "Save" button and an orange "Cancel" button.

The cold water and warm water forms appear identical – options for each include fish, crustacean, and mollusk species. After each entry, the selected species will be listed in Part D of Form 2B (i.e., on the previous screen). Once species are entered into the application, the option to edit and delete them from the list is available.

This screenshot is identical to the one above, showing the "Species Details" form with the same layout and elements: a green header banner, a species dropdown menu, and input fields for "Yearly Harvest (in pounds)" and "Maximum Present (in pounds)", with "Save" and "Cancel" buttons at the bottom right.

**E. Indicate the total pounds of food used during the calendar month of maximum feeding.**

**1. Month of Maximum Feeding**

**2. Pounds of Food**

NPDES Individual Permit Application [EDIT](#)

Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities

Validate

Save

Close

Finish Form 2B by entering information into Part E. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

## NPDES Form 2C

# Application for Permit to Discharge Wastewater Existing Manufacturing, Commercial, Mining and Silviculture Operations

[Form Instructions](#)

### I. Outfall Locations

For each outfall, list the latitude and longitude and the name of the receiving water.

Outfall Number <sup>▲</sup>	Receiving Water <sup>▼</sup>	Latitude <sup>▼</sup>	Longitude <sup>▼</sup>	Lat/Long Collection Method <sup>▼</sup>	Lat/Long Verified? <sup>▼</sup>	Actions
<input type="text" value="Search"/>						<input type="button" value="No items to display"/>

Populate the outfall location table by adding outfall information. Click the **Add New Outfall** button to access the below form. Enter the outfall number, receiving water, and latitude/longitude and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Outfall Information

### Outfall Number

### Receiving Water

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Collection Method

### Have these latitude/longitude coordinates been verified?

### Satellite View



### Search for Address:

Type an address in the input box below and select a match

**II. Flows, Sources & Treatments**

**A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions included in this application. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities) provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.**

**Line Drawing**

Browse... No file chosen

If applicable, attach a file describing any currently approved chemical additives.

**Approved Additives**

Browse... No file chosen

**B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater.**

Outfall Number	Operation	Average Flow (mgd)	Treatments	Action
<a href="#">Add New Operation</a>				

Click the **Browse** button to upload an electronic drawing showing the water flow through the facility. If applicable, click the **Browse** button to upload an electronic file describing approved additive details.

Click the **Add New Operation** button to access the below form. Enter the operation information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Operation Information

### Outfall Number

Select an outfall...

### Operation

Operation

### Average Flow (Millions of Gallons per Day)

Average Flow

### Treatments (select all that apply)

#### Unselected Treatments (71)

##### Physical Treatment Processes

- 1-A - Ammonia Stripping
- 1-B - Dialysis
- 1-C - Diatomaceous Earth Filtration
- 1-D - Distillation
- 1-E - Electrodialysis
- 1-F - Evaporation
- 1-G - Flocculation
- 1-H - Flotation
- 1-I - Foam Fractionation

Add →

← Remove

#### Selected Treatments (0)

Save

Cancel

C. Except for storm runoff, leaks, or spills, will any of the discharges described previously in this application be intermittent or seasonal?

Yes No

Select an outfall from the list that that is either intermittent or seasonal and provide the required information. Enter one set of this information for each intermittent and/or seasonal discharge.

Outfall Number	Contributing Operations	Avg. Days of Flow Per Week	Avg. Months of Flow Per Year	Long Term Avg Flow Rate (MGD)	Max Daily Flow Rate (MGD)	Long Term Avg Flow Volume (Million Gal.)	Max Daily Flow Volume (Million Gal.)	Flow Duration in Days	Action
----------------	-------------------------	----------------------------	------------------------------	-------------------------------	---------------------------	--	--------------------------------------	-----------------------	--------

Add New Flow

Select **Yes/No** in Part C above. Click the **Add New Flow** button to access the below form. Enter the seasonal flow information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Seasonal Flow Information

**Outfall #**

Select an outfall...

**Contributing Operations**

Select an operation...

**Average Days of Flow Per Week**

Average Days of Flow Per Week

**Average Months of Flow Per Year**

Average Months of Flow Per Year

**Long Term Average Flow Rate (MGD)**

Long Term Average Flow Rate

**Maximum Daily Flow Rate (MGD)**

Maximum Daily Flow Rate

**Long Term Average Flow Volume (Million Gal.)**

Long Term Average Flow Volume

**Maximum Daily Flow Volume (Million Gal.)**

Maximum Daily Flow Volume

**Flow Duration in Days**

Flow Duration

Save

Cancel

**III. Production**

**A. Does an effluent guideline limitation promulgated by EPA under Section 3047 of the Clean Water Act apply to your facility?**

**B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?**

**C. List the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.**

Average Quantity Per Day	Unit of Measure	Operation/Product/Material	Affected Outfalls	Action
<a href="#">Add New Operation/Product/Material</a>				

Respond *Yes/No* in the production section above. Click the **Add New Operation/Product/Material** button to access the below form. Enter the information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

Operation/Product/Material Information

**Average Quantity Per Day**

**Unit of Measure**

**Operation/Product/Material**

**Unaffected Outfalls (1)**

**Affected Outfalls (0)**

IV. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedules letters, stipulations, court orders and grant or loan conditions.

Yes
  No

Conditions or Agreements	Affected Outfalls	Source of Discharge	Project Description	Required Completion Date	Projected Completion Date	Action
						<a href="#" style="background-color: #4F81BD; color: white; padding: 5px 10px; text-decoration: none;">Add New Improvement</a>

B. Do you have any additional water pollution or other environmental improvement projects planned or under way which may affect your discharges?

Yes
  No

Project Description	Affected Outfalls	Source of Discharge	Status	Project Start Date	Projected Completion Date	Action
						<a href="#" style="background-color: #4F81BD; color: white; padding: 5px 10px; text-decoration: none;">Add Additional Improvement</a>

Respond *Yes/No* to the improvements section. When applicable, click the **Add New Improvement** button and/or **Add Additional Improvement** button to access the associated forms (shown below). Enter the improvement information on the form and click the **Save** button. Enter as many improvements as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Improvement Information

### Conditions or Agreements

Conditions or Agreements

### Unaffected Outfalls (1)

001

Add →

← Remove

### Affected Outfalls (0)

### Source of Discharge

Source of Discharge

### Project Description

Project Description

### Required Completion Date

 Click here to select a date.

## Additional Improvement Information

### Project Description

Project Description

### Unaffected Outfalls (1)

001

Add →

← Remove

### Affected Outfalls (0)

### Source of Discharge

Source of Discharge

### Status

Status

### Project Start Date

 Click here to select a date.

### Projected Completion Date

 Click here to select a date.

**V. Intake & Effluent Characteristics**

You may download the template for the Intake & Effluent Characteristics Spreadsheet Using the link labeled 'Blank Form' below. Once the spreadsheet has been completed, use the Browse button to upload the spreadsheet and include it as part of this form.

**A, B, & C. Intake and Effluent Characteristics Spreadsheet** Blank Form

Browse... No file chosen

**D. Do you know or have reason to believe that any pollutants listed on table 2C-3 is or will be discharged from any outfall listed in this application? (see instructions for listing of table 2C-3)**

Yes No

List all table 2C-3 pollutants you know or have reason to believe will be discharged from any outfall. Include the source of the discharge with each pollutant listed.

Pollutant	Source of Discharge	Action
<a href="#">Add New Pollutant</a>		

Click the **Browse** button to upload the Intake and Effluent Characteristics Spreadsheet. To access a blank copy of the spreadsheet, simply click the link for **Blank Form** to download the Microsoft Excel file (as shown on the next page). Select the **Save File** option and click the **OK** button. Open the spreadsheet from your saved location. Click the **Browse** button to upload the electronic file when complete.

Click the **Add New Pollutant** button to access the below form. Enter the pollutant information on the form and click the **Save** button. Enter as many pollutants as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

**Pollutant Information**

**Pollutant**

**Source of Discharge**

[Save](#) [Cancel](#)

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**NPDES Permit Application - Form 2C - Part V. Intake and Effluent Characteristics - Data Entry Spreadsheet**

Indu

Validation Key:  
Must be number or "<"

Permit Number 0 Outfall # 0

Facility Name 0

Data Collection Period from: 1/0/1900 to: 1/0/1900

**V. Intake and Effluent Characteristics**

**Part A** - You must provide the results of at least one analysis for each pollutant listed in column 2-a. If a pollutant has been specifically waived by Ohio EPA, enter "W" in column 2-b. If a pollutant is not listed in column 2-a, enter zero (0) for that measurement in the calculation. If all measurements are zero, enter zero (0) for that measurement in the calculation. If all measurements are zero, enter zero (0) for that measurement in the calculation.

Note: When computing average values, if a measurement is less than the method detection limit (MDL), substitute a value of zero (0) for that measurement in the calculation. If all measurements are zero, enter zero (0) for that measurement in the calculation.

1. Pollutant	2-b	2-c	3. Effluent					
			4. "W" if waived	a. Maximum Daily Value		b. Maximum 30 Day Value		c. Long Term
				1. Concentration	2. Mass	1. Concentration	2. Mass	1. Concentration
a Biochemical Oxygen Demand (BOD)								
b Chemical Oxygen Demand (COD)								
c Total Organic Carbon (TOC)								
d Total Suspended Solids (TSS)								
e Ammonia (as N)								
f Flow								
g Temperature (Winter)								
h Temperature (Summer)								
				pH minimum	pH maximum	pH minimum	pH maximum	
i pH								

**V. Intake and Effluent Characteristics**

**Part B** - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark "X" in column 2-a, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence. If all measurements are zero, enter zero (0) for that measurement in the calculation. If all measurements are zero, enter zero (0) for that measurement in the calculation.

Note: When computing average values, if a measurement is less than the method detection limit (MDL), substitute a value of zero (0) for that measurement in the calculation. If all measurements are zero, enter zero (0) for that measurement in the calculation.

VI. Potential Discharges Not Covered by Analysis

Is any toxic pollutant listed in the Part C pollutant table a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes No

List all such pollutants that may not be covered by analysis. Add as many rows as needed.

Add Pollutants

Respond *Yes/No*, if applicable click the **Add Pollutants** button to access the below form. Enter the pollutant information on the form by selecting each from the left and clicking the Add button to move them to the right side of the form – click the **Save** button when complete. Enter as many pollutants as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

Pollutant Information

Select one or more pollutants from the Available Pollutants list and click the Add button to add pollutants to the Selected Pollutants list. You may remove pollutants from the selected pollutants list by selecting the pollutants to be removed and clicking the Remove button.

Available Pollutants (532)

- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2-Dichlorobenzene
- 1,2,4-Trichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,2-Diphenylhydrazine (as Azobenzene)

Add →

← Remove

Selected Pollutants (0)

Save Cancel

**VII. Biological Toxicity**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes No

Provide the name of the toxicity test conducted and a description of the purpose of the test. Add as many instances of this section as you need to list and describe all tests.

Test Name	Test Purpose	Action
<input type="button" value="Add New Toxicity Test"/>		

Respond *Yes/No*. If applicable, click the *Add New Toxicity Test* button to access the below form. Enter the toxicity test name and purpose and click the *Save* button. Enter as many as applicable, each will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

**Toxicity Test Information**

**Test Name**

**Test Purpose**

VIII. Contract Analysis

Were any of the analyses reported in this application performed by a contract laboratory or consulting firm?

Yes No

Provide the name, address, phone number and a list of analyzed pollutants for each contract laboratory or consultant which provided data used in this application.

Provide the contract lab or consulting firm details.

Name of Lab/Firm	Address	Telephone #	Pollutants Analyzed	Action
				<a href="#">Add New Lab Detail</a>

NPDES Individual Permit Application [EDIT](#)

Existing Manufacturing, Commercial, Mining and Silviculture Operations

[Validate](#) [Save](#) [Close](#)

Respond *Yes/No*. If applicable, click the *Add New Lab Detail* button to access the below form. Enter the laboratory/consulting firm information and select the pollutants from the list provided. Once complete, click the *Save* button. Enter as many as applicable, each will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

You now have the option to click the *Validate* button to see if all fields have been filled out correctly, click *Save* and *Close* to return to the General Application form.

## Contract Lab & Consulting Firm Details

### Name of Lab/Firm

### Address

### City

### State

### Zip Code

### Country

### Telephone #

### Available Pollutants (81)

- 2,2-Dichloropropionic acid
- 2,4,5-T
- 2,4,5-TP
- 2,4-D
- Acetaldehyde
- Allyl alcohol
- Allyl chloride
- Amyl acetate
- Aniline
- Asbestos

### Selected Pollutants (0)

## NPDES Form 2D

# New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

[Form Instructions](#)

**I. Outfall Locations**

For each outfall, list the latitude and longitude and the name of the receiving water.

Outfall Number <span style="float: right;">^</span>	Receiving Water <span style="float: right;">v</span>	Latitude <span style="float: right;">v</span>	Longitude <span style="float: right;">v</span>	Lat/Long Collection Method <span style="float: right;">v</span>	Lat/Long Verified? <span style="float: right;">v</span>	Actions
<input type="text" value="Search"/>	No items to display					

Populate the outfall location table by adding outfall information. Click the **Add New Outfall** button to access the below form. Enter the outfall number, receiving water, and latitude/longitude and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Outfall Information

### Outfall Number

### Receiving Water

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Collection Method

### Have these latitude/longitude coordinates been verified?

### Satellite View



### Search for Address:

Type an address in the input box below and select a match from the drop-down list or select the magnifying glass button

II. Discharge Date

When do you expect to begin discharging?

Click here to select a date.

III. Flows, Sources & Treatments

A. For each outfall, provide a description of: (a) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater.

Outfall Number	Operation	Average Flow (mgd)	Treatments	Action
<div style="background-color: #2e75b6; color: white; padding: 5px 15px; border-radius: 3px; display: inline-block;">Add New Operation</div>				

Populate Section II and III above. Select the calendar to enter a discharging begin date. Click the **Add New Operation** button to access the below form. Enter the outfall number, operation, and treatment information and click the **Save** button. Enter as many operations as applicable, each operation entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Operation Information

**Outfall Number**

Select an outfall...

**Operation**

Operation

**Average Flow (Millions of Gallons per Day)**

Average Flow

**Treatments (select all that apply)**

**Unselected Treatments (71)**

**Physical Treatment Processes**

- 1-A - Ammonia Stripping
- 1-B - Dialysis
- 1-C - Diatomaceous Earth Filtration
- 1-D - Distillation
- 1-E - Electrodialysis
- 1-F - Evaporation
- 1-G - Flocculation
- 1-H - Flotation
- 1-I - Foam Fractionation

Add →

← Remove

**Selected Treatments (0)**

Save Cancel

B. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions included in this application. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities) provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

Line Drawing

No file chosen

C. Except for storm runoff, leaks, or spills, will any of the discharges described previously in this application be intermittent or seasonal?

Yes  No

Select an outfall from the list that that is either intermittent or seasonal and provide the required information. Enter one set of this information for each intermittent and/or seasonal discharge.

Outfall Number	Days of Flow Per Week	Months of Flow Per Year	Max Daily Flow Rate (MGD)	Max Total Flow Volume (Million Gal.)	Flow Duration in Days	Action
----------------	-----------------------	-------------------------	---------------------------	--------------------------------------	-----------------------	--------

Click the **Browse** button to upload a drawing of the water flow through the facility. Click the **Add New Flow** button to access the below form. Enter the outfall and flow information and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Seasonal Flow Information

### Outfall Number

Select an outfall...

### Days of Flow Per Week

Days of Flow Per Week

### Months of Flow Per Year

Average Months of Flow Per Year

### Maximum Daily Flow Rate (MGD)

Maximum Daily Flow Rate

### Maximum Total Flow Volume (Million Gal.)

Maximum Total Flow Volume

### Flow Duration in Days

Flow Duration

Save

Cancel

**IV. Production**

Does an effluent guideline or New Source Performance Standard (NSPS) promulgated by EPA apply to your facility?

Yes  No

Are the limitations in the applicable effluent guideline or NSPS expressed in terms of production (or other measure of operation)?

Yes  No

For each outfall, list the estimated level of production (project of actual production level, not design), expressed in the terms and units used in the applicable effluent guideline or NSPS, for each of the first 3 years of operation. If production is likely to vary, you may also submit alternative estimates.

Year	Quantity Per Day	Unit of Measure	Operation/Product/Material	Action
<a href="#">Add New Operation/Product/Material</a>				

Click the *Yes/No* links and click the *Add New Operation/Product/Material* button to access the below form. Enter the year and associated information and click the *Save* button. Add as many as applicable, each will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

Operation/Product/Material Information

**Year**

**Quantity Per Day**

**Unit of Measure**

**Operation/Product/Material**

## V. Effluent Characteristics

Each part of this section requests you to provide an estimated daily maximum and average for certain pollutants and the source of the information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by Ohio EPA. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitation guideline or NSPS, or indirectly through limitations on an indicator pollutant.

**Are you requesting or have you already received an Ohio EPA waiver from Group A data submission for this facility?**

No  Requesting Waiver  Waiver Received

Upload a document specifying which pollutant or parameters should be waived and the reasons for requesting such a waiver. Contact Ohio EPA if you are unsure what your waiver request should contain.

**Group A Data Submission Waiver Justification**

Browse...

No file chosen

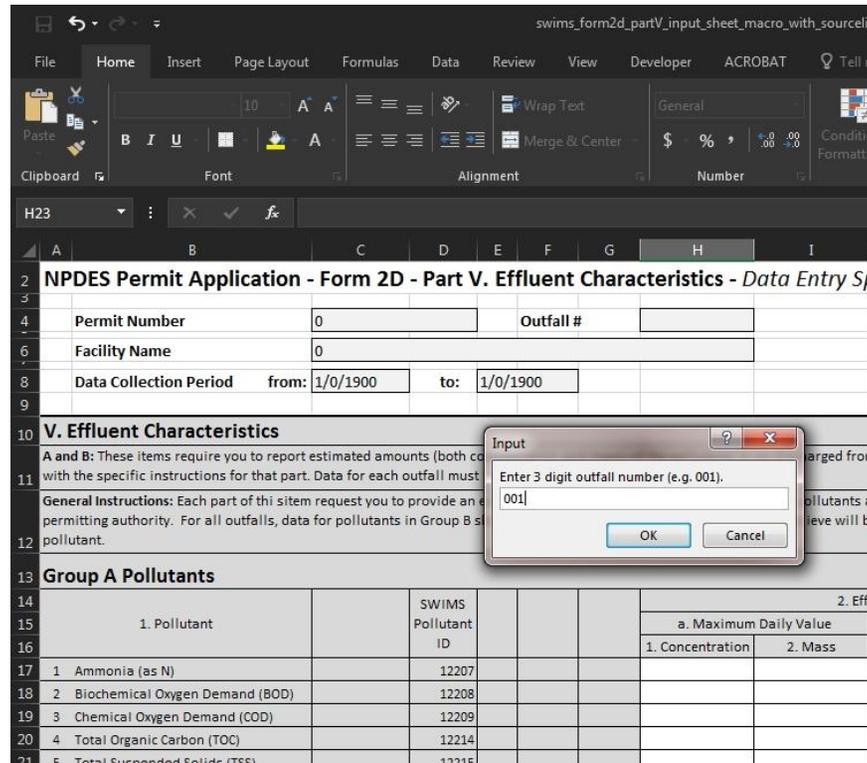
Complete the Effluent Characteristics section. If applicable, click the ***Browse*** button to upload an electronic copy of the Data Submission Waiver Justification.

You may download the template for the Effluent Characteristics Spreadsheet Using the link labeled 'Blank Form' below. Once the spreadsheet has been completed, use the Browse button to upload the spreadsheet and include it as part of this form.

**Effluent Characteristics Spreadsheet Blank Form**

Browse... No file chosen

Click the **Browse** button to upload the Effluent Characteristics Spreadsheet. To access a blank copy of the spreadsheet, simply click the link for **Blank Form** to download the Microsoft Excel file (as shown below). Select the **Save File** option and click the **OK** button. Open the spreadsheet from your saved location. Click the **Browse** button to upload the electronic file when complete.



Do you know or have reason to believe that any pollutants listed on table 2D-3 will be discharged from any outfall listed in this application? (see [instructions](#) for listing of table 2D-3)

Yes No

List all table 2D-3 pollutants you know or have reason to believe will be discharged from any outfall. Include the reason for the discharge with each pollutant listed.

Pollutant	Reason for Discharge	Action
-----------	----------------------	--------

Add New Pollutant

Click the *Yes/No* link and click the *Add New Pollutant* button to access the below form. Select a pollutant using the dropdown of options and state the reason for discharge – click the *Save* button. Add as many pollutants as applicable, each pollutant will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

### Pollutant Information

**Pollutant**

Select a pollutant...

**Reason for Discharge**

Reason for Discharge

Save Cancel

VI. Engineering Report on Wastewater Treatment

A. Are any technical evaluations concerning your wastewater treatment available (including engineering reports or pilot plant studies)?

Yes No

Please upload a copy of the available technical evaluations concerning your wastewater treatment.

Technical Evaluations

Browse... No file chosen

Respond *Yes/No* to Part A and click the *Browse* button to upload an electronic copy of the technical evaluations.

B. Are there any existing plants which, to the best of your knowledge resemble this production facility with respect to production processes, wastewater constituents, or wastewater treatments?

Yes No

Provide the name and location of any existing plants which, to the best of your knowledge resemble this production facility with respect to production processes, wastewater constituents, or wastewater treatments.

Name	Location	Action
------	----------	--------

Add New Similar Plant

Respond *Yes/No* to Part B and click the *Add New Similar Plant* button to access the below form. Enter the name and location of the similar plant and click the *Save* button. Add as many plants as applicable, each plant will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

Similar Plant Information

Name

Location

Save Cancel

**VII. Other Information**

Do you have any additional information or expansions on the answers you provided in this application that you would like to bring to the attention of the reviewer that should be considered in establishing permit limitations?

Please add any additional information you would like to provide.

Additional information

NPDES Individual Permit Application **EDIT**

New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

Respond *Yes/No* in the other information section and add a comment if applicable. You now have the option to click the *Validate* button to see if all fields have been filled out correctly, click *Save* and *Close* to return to the General Application form.

## NPDES Form 2E

### Facilities Which Do Not Discharge Process Wastewater

[Form Instructions](#)

#### I. Receiving Waters

Outfall Number	Latitude	Longitude	Lat/Long Collection Method	Lat/Long Verified?	Receiving Water	Discharge Start Date	Actions
<input type="text" value="Search"/>							No items to display
<input type="button" value="Add New Outfall"/>							

Populate the receiving water table by adding outfall information. Click the **Add New Outfall** button to access the below form. Enter the outfall number, receiving water, and latitude/longitude and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Outfall Information

Enter your outfall data here.

### Outfall #

### Receiving Water

### Discharge Start Date



Click here to select a date.

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Collection Method



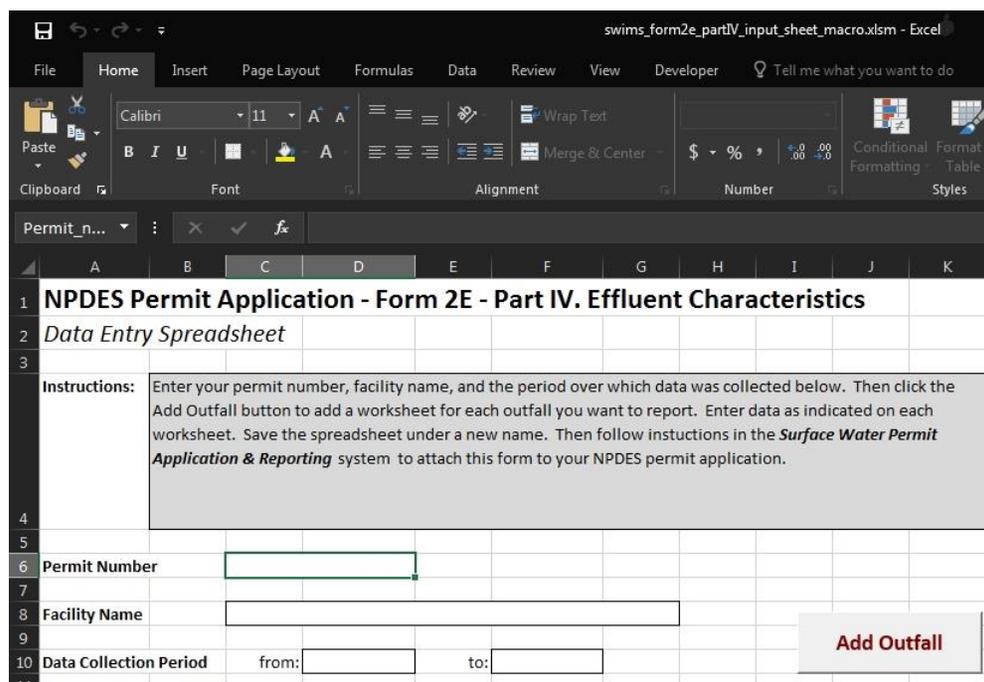
**IV. Effluent Characteristics**

You may download the template for the Intake & Effluent Characteristics Spreadsheet the link labeled 'Blank Form' below. Once the spreadsheet has been completed, use the upload button below to upload the spreadsheet and include it as part of this form.

**Intake and Effluent Characteristics Spreadsheet Blank Form**

Browse... No file chosen

Click the **Browse** button to upload the Intake and Effluent Characteristics Spreadsheet. To access a blank copy of the spreadsheet, simply click the link for **Blank Form** to download the Microsoft Excel file (as shown below). Select the **Save File** option and click the **OK** button. Open the spreadsheet from your saved location. Click the **Browse** button to upload the file when complete.



### Additional Questions

**V. Except for leaks or spills, will the discharge described in this form be intermittent or seasonal?**

Yes

No

**Briefly describe the frequency and duration of the flow.**

Frequency and duration of flow

**VI. Are there any treatment systems used prior to discharge for this flow?**

Yes

No

**Briefly describe the treatment systems.**

Treatment Systems description

Respond to the additional questions in Part V.

VII. Do you have any additional information or expansions on the answers you provided in this application that you would like to bring to the attention of the reviewer that should be considered in establishing permit limitations?

Yes No

Please add any additional information you would like to provide.

Additional information

NPDES Individual Permit Application [EDIT](#)

Facilities Which Do Not Discharge Process Wastewater

Validate

Save

Close

Complete the form with any additional information. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

## NPDES Form 2F

# Application to Discharge Storm Water Discharges Associated with Industrial Activity

[Form Instructions](#)

### I. Outfall Locations

For each outfall, list the latitude and longitude and the name of the receiving water.

Outfall Number	Receiving Water	Latitude	Longitude	Lat/Long Collection Method	Lat/Long Verified?	Actions
<input type="text" value="Search"/>						<input type="button" value="No items to display"/>

Populate the outfall location table by adding outfall information. Click the **Add New Outfall** button to access the below form. Enter the outfall number, receiving water, and latitude/longitude and click the **Save** button. Enter as many outfalls as applicable, each outfall entered will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

## Outfall Information

### Outfall Number

### Receiving Water

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Enter Coordinates in Degrees, Minutes, Seconds

#### Latitude

#### Longitude

### Collection Method

### Have these latitude/longitude coordinates been verified?

### Satellite View



### Search for Address:

Type an address in the input box below and select a match from the drop-down list or select the magnifying glass button.

## II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedules letters, stipulations, court orders and grant or loan conditions.

Yes
  No

Conditions or Agreements	Affected Outfalls	Source of Discharge	Project Description	Required Completion Date	Projected Completion Date	Action
						<a href="#">Add New Improvement</a>

B. Do you have any additional water pollution or other environmental improvement projects planned or under way which may affect your discharges?

Yes
  No

Project Description	Affected Outfalls	Source of Discharge	Status	Project Start Date	Projected Completion Date	Action
						<a href="#">Add Additional Improvement</a>

Respond *Yes/No* to the improvements section. When applicable, click the *Add New Improvement* button and/or *Add Additional Improvement* button to access the associated forms (shown below). Enter the improvement information on the form and click the *Save* button. Enter as many improvements as applicable, each will display on the above table. Once added you can click the *Edit* and *Delete* links to the right under Actions to manage the list.

## Improvement Information

### Conditions or Agreements

Conditions or Agreements

### Unaffected Outfalls (1)

001

Add →

← Remove

### Affected Outfalls (0)

### Source of Discharge

Source of Discharge

### Project Description

Project Description

### Required Completion Date

 Click here to select a date.

## Additional Improvement Information

### Project Description

Project Description

### Unaffected Outfalls (1)

001

Add →

← Remove

### Affected Outfalls (0)

### Source of Discharge

Source of Discharge

### Status

Status

### Project Start Date

 Click here to select a date.

### Projected Completion Date

 Click here to select a date.

### III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls covered in the application if a topographic map is unavailable) depicting the facility, including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall; each known past or present area used for outdoor storage or disposal of significant materials; each existing structural control measure used to reduce pollutants in storm water runoff; materials loading and access areas; areas where pesticides, herbicides soil conditioners and fertilizers are applied; each of its hazardous waste treatments storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.43); each well where fluids from the factory are injected underground; springs and other surface water bodies which received storm water discharges from the facility.

#### Site Drainage Map

Browse...

No file chosen

Click the ***Browse*** button to upload an electronic site map.

**IV. Narrative Description of Pollutant Sources**

**A. For each outfall, provide an estimate of the area of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by each outfall.**

Outfall Number	Impervious Area	Total Area Drained	Action
			<a href="#">Add New Surface</a>

**B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location manner and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.**

Description of significant materials

**C. For each outfall, provide the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.**

Outfall Number	Control Measures Description	Treatments	Action
			<a href="#">Add New Control Measure</a>

Fill out the narrative description of pollutant sources section. Click the **Add New Surface** button and/or **Add New Control Measure** button to access the associated forms (shown below). Enter the source and control measure information on the associated forms and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

### Pollutant Source Information

Enter your data here.

**Outfall Number**

**Impervious Area**

**Impervious Area Units**

**Total Area Drained**

**Total Area Drained Units**

### Control Measure Information

Enter your Control Measure data here.

**Outfall Number**

**Control Measures Description**

**Treatments (select all that apply)**

**Unselected Treatments (71)**

**Physical Treatment Processes**

- 1-A - Ammonia Stripping
- 1-B - Dialysis
- 1-C - Diatomaceous Earth Filtration
- 1-D - Distillation
- 1-E - Electrodialysis
- 1-F - Evaporation
- 1-G - Flocculation
- 1-H - Flotation
- 1-I - Foam Fractionation

**Selected Treatments (0)**

#### V. Non-Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of non-storm water discharges, and that all non-storm water discharged from these outfalls(s) are identified in either a separate Form 2F or Form 2E application for the outfall.

Yes  No

B. With regard to the non-stormwater certification: Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Method description

Respond *Yes/No* to the non-storm water certification statement above and enter the applicable description. Respond *Yes/No* in the significant leaks and spills section below and provide details on significant leaks and spills history.

#### VI. Significant Leaks or Spills

Have there been any significant leaks or spills of toxic or hazardous pollutants at the facility in the past three years?

Yes  No

Provide details regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the past three years, including the approximate dates and locations of the spills and/or leaks, and the type and amount of materials released.

History of significant leaks or spills

## VII. Discharge Information

A, B, C. You may download the template for the Discharge Information Spreadsheet Using the link labeled 'Blank Form' below. Once the spreadsheet has been completed, use the upload button below to upload the spreadsheet and include it as part of this form.

Discharge Information Spreadsheet [Blank Form](#)

Browse... No file chosen

Click the **Browse** button to upload the Discharge Information Spreadsheet. To access a blank copy of the spreadsheet, simply click the link for **Blank Form** to download the Microsoft Excel file (as shown below). Select the **Save File** option and click the **OK** button. Open the spreadsheet from your saved location. Click the **Browse** button to upload the electronic file when complete.

The screenshot shows the Microsoft Excel interface with the following data in the spreadsheet:

NPDES Permit Application - Form 2F - Part VII. Discharge Information - Data Entry Spreadsheet							
Permit Number	0		Outfall #				
Facility Name	0						
Data Collection Period	from:	1/0/1900	to:	1/0/1900			
VII. Discharge Information							
Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See							
1. Pollutant							1. Maximum
a. Oil and Grease							a. Grab Sample Taken During First 20 Minutes
b. Biochemical Oxygen Demand (BOD)							
c. Chemical Oxygen Demand (COD)							
d. Total Suspended Solids (TSS)							20132
e. Total Nitrogen							176462185
f. Total Phosphorus							20142
g. pH							20133
							pH Minimum

An "Input" dialog box is open, displaying the text: "Enter 3 digit outfall number (e.g. 001)." The input field contains "001". The dialog has "OK" and "Cancel" buttons.

D. Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite samples. Indicate the date, duration, total rainfall, maximum flow and total flow related to the event. Also indicate the number of hours between the beginning of the measured storm and the end of the previous measureable rain event.

Date of Storm	Duration of storm	Total Rainfall	Hours Between Events	Max Flow Rate During Event	Total Flow From Event	Action
---------------	-------------------	----------------	----------------------	----------------------------	-----------------------	--------

Add New Storm Data

Provide a description of the method of flow measurement or estimate.

Description of method of flow measurement or estimate.

Click the **Add New Storm Data** button to access the below form. Enter the storm information and click the **Save** button. Enter as many as dates as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

Storm Information

Enter your storm data here.

**Date of Storm**  
Click here to select a date.

**Duration of Storm (minutes)**  
Duration of Storm

**Total Rainfall (inches)**  
Total Rainfall

**Hours Between Events**  
Hours Between Events

**Max Flow Rate During Event (gallons per minute)**  
Max Flow Rate During Event

**Total Flow From Event (gallons)**  
Total Flow From Event

Save Cancel

E. Potential discharges not covered by analysis - Is any toxic pollutant listed in Table 2F-2, 2F-3 or 2F-4 a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

Yes No

List all such pollutants that may not be covered by analysis. Add as many rows as needed.

Add Pollutants

Fill out the potential discharges not covered by analysis section. Click the **Add Pollutants** button to access the below form. Enter the pollutant information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

**Pollutant Information**

Select one or more pollutants from the Available Pollutants list and click the Add button to add pollutants to the Selected Pollutants list. You may remove pollutants from the selected pollutants list by selecting the pollutants to be removed and clicking the Remove button.

**Available Pollutants (239)**

- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2,4-Trichlorobenzene
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,2-Diphenylhydrazine (as Azobenzene)

**Selected Pollutants (0)**

Add →

← Remove

Save Cancel

**VIII. Biological Toxicity**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

Yes
  No

Provide the name of the toxicity test conducted and a description of the purpose of the test. Add as many instances of this section as you need to list and describe all tests.

Test Name	Test Purpose	Action
<input type="button" value="Add New Toxicity Test"/>		

Respond **Yes/No**. If applicable, click the **Add New Toxicity Test** button to access the below form. Enter the toxicity test information and click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

**Toxicity Test Information**

**Test Name**

**Test Purpose**

IX. Contract Analysis

Were any of the analyses reported in this application performed by a contract laboratory or consulting firm?

Yes No

Provide the name, address, phone number and a list of analyzed pollutants for each contract laboratory or consultant which provided data used in this application.

Provide the contract lab or consulting firm details.

Name of Lab/Firm	Address	Telephone #	Pollutants Analyzed	Action
				<a href="#">Add New Lab Detail</a>

NPDES Individual Permit Application [EDIT](#)
Application to Discharge Storm Water Discharges Associated with Industrial Activity
Validate Save Close

Respond **Yes/No**. If applicable, click the **Add New Lab Detail** button to access the below form. Enter the laboratory/consulting firm information and select the pollutants from the list provided. Once complete, click the **Save** button. Enter as many as applicable, each will display on the above table. Once added you can click the **Edit** and **Delete** links to the right under Actions to manage the list.

You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

## Contract Lab & Consulting Firm Details

### Name of Lab/Firm

### Address

### City

### State

### Zip Code

### Country

### Telephone #

### Available Pollutants (239)

- 1,1,1-Trichloroethane
- 1,1,2,2-Tetrachloroethane
- 1,1,2-Trichloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethylene
- 1,2,4-Trichlorobenzene
- 1,2-Dichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- 1,2-Diphenylhydrazine (as Azobenzene)

### Selected Pollutants (0)

## NPDES Form 2S

# Application for Sewage Sludge Use or Disposal

[Form Instructions](#)

I. General Information

A. Treatment System Description

1. List all treatment units used for collecting, dewatering, storing, or treating sewage sludge.

Treatment Code	Treatment Type	Manufacturer	Action
A9	Other dewatering	Elmco	<a href="#">Edit</a> <a href="#">Delete</a>
92	Aerobic digestion-air		<a href="#">Edit</a> <a href="#">Delete</a>
C2	Other sludge treatments		<a href="#">Edit</a> <a href="#">Delete</a>
B1	Polymer, lime, ferric-chloride alum addition		<a href="#">Edit</a> <a href="#">Delete</a>
A5	Mechanical dewatering-filter press		<a href="#">Edit</a> <a href="#">Delete</a>
C2	Other sludge treatments		<a href="#">Edit</a> <a href="#">Delete</a>
C4	Land spreading		<a href="#">Edit</a> <a href="#">Delete</a>
C3	Landfill/Trenching		<a href="#">Edit</a> <a href="#">Delete</a>

[Add New Treatment](#)

Enter in the information in the Treatment System Description. Click the **Add New Treatment** button to add additional items to the treatment type list (form shown below) – click the **Edit** and **Delete** links to the right to manage the list.

### Treatment Information

**Treatment Type**

A9: Other dewatering ▼

**Manufacturer**

Elmco

2. Provide a line drawing that identifies all sewage sludge treatment processes that will be employed during the term of this permit.

Line Drawing

No file chosen

3. Is this facility a Class I sludge management facility? Class I facilities include POTWs that are required to have an approved pretreatment program.

4. What is the process design capacity of the sewage sludge treatment system in *dry tons/year* (Use the following calculation to convert from *gallons/year* to *dry tons/year*:  $gallons\ of\ sludge/yr \times 8.34\ lb/gal \times tons/2000\ lb \times \% \ solids$ )?

2,008

5. List the year the sewage sludge treatment system was built, or the year of the most recent major modification, whichever is most recent.

Year built

Click the ***Browse*** button to upload an electronic copy of the sewage sludge treatment process drawing.

**B. Amount Generated On Site**

**1. List the total sewage amount of sewage sludge generated at the facility in the most recent year, in *dry tons*.**

Total Sludge Generated

**2. Do you receive sewage sludge form other generators?**

Yes No

**List the total sewage amount of sewage sludge generated at the facility in the most recent year, in *dry tons*.**

Total Sludge Received

**3. Do you receive domestic septage?**

Yes No

**Enter the total gallons of septage received from other generators in the most recent year.**

Total Septage Received

Fill in the information in Part B, Amount Generated on Site.

### C. Pollutant Information

#### Name of laboratory completing the analyses

Using the table below, list the data for the pollutant concentrations in sewage sludge from your facility during the previous year. Select the edit icon (pencil) in the Action column to edit information in the table.

Pollutant Name	CAS Number	Number of Analyses	Average Concentration (mg/kg)	Max Monthly Concentration (mg/kg)	Minimum Detection Level	Action
Arsenic	7440-38-2					
Cadmium	7440-43-9					
Copper	7440-50-8					
Lead	7439-92-1					
Mercury	7439-97-6					
Molybdenum	7439-98-7					
Nickel	7440-02-0					
Selenium	7782-49-2					
Zinc	7440-66-6					

Fill in the Pollutant Information section by clicking the *Edit* link under the Action column. Enter the information in the below form for each pollutant and click the *Save* button – the entries will populate in the above table.

**Pollutant Data**

**Pollutant Name**  
Arsenic

**CAS Number**  
7440-38-2

**Number of Analyses**  
Number of Analyses

**Average Concentration (mg/kg)**  
If Average Concentration is below the detection level, check this box:   
Average Concentration

**Maximum Monthly Concentration (mg/kg)**  
If Maximum Monthly Concentration is below the detection level, check this box:   
Maximum Monthly Concentration

**Minimum Detection Level**  
Minimum Detection Level

Save Cancel

#### D. Sewage Sludge Treatment and Disposal Characteristics

Complete the following to determine the applicability of your facility's sewage sludge use or disposal practices. If you answer yes to any question, you must complete the applicable section. Complete all sections that apply to your facility.

Is sewage sludge from your facility hauled to another facility that provides treatment or blending?

Yes  No

Is sewage sludge from your facility applied to the land? This includes exceptional quality sewage sludge (EQS) and sewage sludge applied to land reclamation sites.

Yes  No

Is sewage sludge from your facility fired in a sewage sludge incinerator?

Yes  No

Is sewage sludge from your facility placed on a municipal solid waste landfill?

Yes  No

Respond **Yes/No** to each of the questions in Part D.

**II. Shipment Off Site For Treatment or Blending**

Provide the facility name, location, contact information and total *dry tons* of sewage sludge sent for each facility receiving sewage sludge from your facility.

Facility Name	Address	Contact Name	Contact Title	Contact Phone	Contact Email	Total Sludge (dry tons)	Action
							<a href="#">Add New facility Detail</a>

Total amount of sewage sludge hauled to all receiving facilities for the most recent year (in *dry tons*).

Enter the off-site shipment information. Click the **Add New Facility Detail** button and populate the information in the below form.

**Facility Details**

**Facility Name**

**Address**

**City**

**State**  **Zip Code**  **Country**

**First Name**  **Last Name**

**Title**

**Email**  **Phone**

**Total Sewage Sludge from your facility hauled to the facility for treatment or blending**

[Save](#) [Cancel](#)

III. Land Application of Bulk Sewage Sludge

A. Land Application General Information

1. List the total sewage sludge from your facility applied to all land application sites for the most recent year, in *dry tons*.

Total Applied

2. List the total number of land application sites currently assigned an Ohio EPA site identification number.

Total Application Sites

3. List the total acreage of land application sites currently assigned an Ohio EPA site identification number.

Total Acreage of Application Sites

4. List all counties that you currently (or you expect during the life of the permit to) land apply sewage sludge.

Add Counties

Enter responses into Section III. Click the **Add Counties** button to enter all counties where land application is currently or anticipated to occur – simply select counties from the left of the below form and click the **Add** button to move them to the right of the form.

Select Counties

Select one or more counties from the Available Counties list and click the Add button to add counties to the Selected Counties list. You may remove counties from the selected counties list by selecting the counties to be removed and clicking the Remove button.

Available Counties (88)

- Adams
- Allen
- Ashland
- Ashtabula
- Athens
- Auglaize
- Belmont
- Brown
- Butler
- Carroll

Add →

← Remove

Selected Counties (0)

Save Cancel

5. Are there any land application sites located in states other than Ohio?

Yes No

Describe how you notify the permitting authority for the states where the non-Ohio land application sites are located.

6. Does sewage sludge from your facility meet the ceiling concentration limits in Table 1 of 40 CFR 503.13 AND the pollutant concentrations of Table 3 of 40 CFR 503.13?

Yes No

Provide the total percentage of sludge land applied in the past year that met both the ceiling concentration and pollutant concentration limits.

Percent meeting ceiling concentration and pollutant concentration limits

7. Does sewage sludge from your facility meet the ceiling concentration limits in Table 1 of 40 CFR 503.13, but NOT the pollutant concentrations of Table 3 of 40 CFR 503.13?

Yes No

Provide the total percentage of sludge land applied in the past year that met the ceiling concentration limits, but NOT the pollutant concentration limits.

Percent meeting only ceiling concentration limits

Fill in the responses to the above questions.

8. Based on the total amount of sludge indicated on this form, list the percentage of sludge land applied in the past year that achieved each pathogen reduction class

Class A (Exceptional Quality)

Percent achieving class A pathogen reduction

Class B

Percent achieving class B pathogen reduction

9. Which Pathogen Reduction Alternative is used to achieve the class? (Only applicable if a non-zero percentage is entered above)

10. Which Vector Attraction Reduction option is met for the sewage sludge at your facility?

Add Vector Attraction Reduction Option(s)

Enter the information pertaining to Class A and Class B. Click the Add Vector Attraction Reduction Options button to access the form below – simply select options from the left and click the **Add** button to move them to the right of the form.

### Select pathogens

Select one or more option from the Available Options list and click the Add button to add options to the Vector Attraction Reduction Options list. You may remove options from the Vector Attraction Reduction Options list by selecting the options to be removed and clicking the Remove button.

<p><b>Available Options (10)</b></p> <div style="border: 1px solid #ccc; padding: 5px; min-height: 100px;">Option 1 (minimum 38 percent reduction in volatile Option 2 (anaerobic process, with bench scale dem Option 3 (aerobic process, with bench scale dem Option 4 (specific oxygen uptake rate for aerobic Option 5 (aerobic process plus raised temperatur Option 6 (raise pH to 12 and retain at 11.5) Option 7 (75 percent solids with no unstabilized s Option 8 (90 percent solids with unstabilized solid Option 9 (injection below land surface) Option 10 (incorporation into soil within 6 hours)</div>	<p>Add →</p> <p>← Remove</p>	<p><b>Vector Attraction Reduction Options (0)</b></p> <div style="border: 1px solid #ccc; height: 100px;"></div>
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Save Cancel

## B. Spill Contingency Plan

All facilities that land apply sewage sludge are required to have a spill contingency plan.

1. On what date was the most recent spill contingency plan submitted to Ohio EPA?



Click here to select a date.

2. Have there been any substantial modifications to the spill contingency plan since it was last submitted to Ohio EPA?

Yes

No

Upload a copy of the modified spill contingency plan.

Browse...

No file chosen

Enter Spill Contingency Plan information. Click on the calendar icon to add dates on the last submittal date. If applicable, click the **Browse** button to upload an electronic copy of the modified spill contingency plan.

## V. Incineration

Provide the facility name, location, contact information and total *dry tons* of sewage sludge sent for each incineration facility receiving sewage sludge from your facility.

Facility Name	Air Permit Number	Address	Contact Name	Contact Title	Contact Phone	Contact Email	Total Sludge (dry tons)	Action
---------------	-------------------	---------	--------------	---------------	---------------	---------------	----------------------------	--------

Add New facility Detail

Total amount of sewage sludge hauled to all incineration facilities for the most recent year (in *dry tons*).

Fill out the Incineration information. Click the **Add New Facility Detail** button to access the below Facility Detail form. When the form is saved the information will populate in the above table.

## Facility Details

**Facility Name**

**Air Permit Number**

**Address**

**City**

**State**

**Zip Code**

**Country**

**First Name**

**Last Name**

**Title**

**Email**

**Phone**

**Total Sewage Sludge from your facility fired in the sewage sludge incinerator**

Save

Cancel

**VI. Municipal Solid Waste Landfills**

Provide the facility name, location, contact information and total *dry tons* of sewage sludge sent for each Municipal Solid Waste Landfill facility receiving sewage sludge from your facility.

Facility Name	Address	Contact Name	Contact Title	Contact Phone	Contact Email	Total Sludge (dry tons)	Action
							<a href="#">Add New facility Detail</a>

Total amount of sewage sludge hauled to all MSW Landfill facilities for the most recent year (in *dry tons*).

NPDES Individual Permit Application [EDIT](#) [Validate](#) [Save](#) [Close](#)  
 Application for Sewage Sludge Use or Disposal

Enter the Municipal Solid Waste Landfill information. Click the Add New Facility Detail to access the below form. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, click **Save** and **Close** to return to the General Application form.

**Facility Details**

Facility Name

Address

City

State  Zip Code  Country

First Name  Last Name

Title

Email  Phone

Total Sewage Sludge from your facility placed in the municipal solid waste landfill

[Save](#) [Cancel](#)

## Antidegradation Addendum

### Antidegradation Addendum Application

[Form Instructions](#)

**Applicant**

<b>Applicant First Name</b>	<input type="text" value="Marcus"/>	<b>Applicant Last Name</b>	<input type="text" value="Hereda"/>
<b>Facility Owner</b>	<input type="text"/>		
<b>Facility Location Address/Description</b>	<input type="text" value="1020 Lambert Street"/>		
<b>City</b>	<input type="text" value="Barberton"/>	<b>State</b>	<input type="text" value="OH"/>
		<b>Zip Code</b>	<input type="text" value="44203"/>
<b>Project Name</b>	<input type="text" value="Preferred Compounding Corp."/>		
<b>Permit Number</b>	<input type="text" value="3IR00023*1D"/>		

The facility location address/description fields are prepopulated and locked, although the applicant name and owner fields can be updated.

## Antidegradation Applicability

Is this an application for a new wastewater treatment works that will discharge to a surface water?

Yes No

Is this an application for renewal or modification of an existing NPDES permit with no requested increase in loading of currently permitted pollutants?

Yes No

Is this an application for renewal or modification of an existing NPDES permit which will result in:

- A new permit limitation for a pollutant that previously had no limitation.

Yes No

- An increase in any mass or concentration limitation of any pollutant that currently has a limitation.

Yes No

- An expansion or modification of an existing wastewater treatment works discharging to a surface water that will result in any one of the following:
  - Addition of any pollutant not currently in the discharge
  - Increase in mass or concentration of any pollutant currently in the discharge
  - Increase in any current pollutant limitation in terms of mass or concentration

Yes No

Fill out the Antidegradation Applicability section.

### Antidegradation Information

Is a permit to install or plan approval application required for construction of WWTP as per OAC 3945-42?

Yes  No

Anticipated date of PTI Application Submission

Click here to select a date.

Antidegradation Addendum EDIT

Validate Save Close

Fill out the Antidegradation Information section. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, **Save**, **Exit**, or click **Submit** to submit the application to the agency. A saved application will be housed in your Application List on your personal dashboard until submitted, deleted, or delegated to another individual to submit. *NOTE: The option to print, delete, edit, and delegate the application will be available from your personal dashboard.*

Additional information regarding the Antidegradation Addendum can be obtained on the Ohio EPA website at the below website.

[http://epa.ohio.gov/dsw/rules/antidegguide\\_2003.aspx#169234968-rules](http://epa.ohio.gov/dsw/rules/antidegguide_2003.aspx#169234968-rules).

# Permit Renewal & Modification



Permit List 0 Add Permit

You do not have any permits associated with your account. If you have a permit and know the permit number please click the 'Add Permit' button above and enter your permit number. Once your permit has been added you can perform actions on that permit from the 'Actions' menu. For a detailed explanation click the 'Form Instructions' below.

Form Instructions

Application List 0 Create New Permit Application

Application ID	Number	Application Type	Applicant Name	Updated	Status	Actions
No items to display						

Report List 0 Create Report

Report ID	Report Type	Location Name	Permit Number	Updated	Status	Actions
<input type="text"/>						

To fill out and submit an NPDES Individual Permit renewal application, first add the permit to your Permit List on your personal dashboard. Click the **Add Permit** button to begin. *You can manage all of your permits by adding them to your Permit List.*

## Add Existing Permit

Use this page to associate an existing facility permit to your account. Simply enter your Ohio EPA NPDES facility permit number below. If you do not know the facility permit number, you can search for it here.

Ohio EPA NPDES Facility Permit Number

31R00023|



Search

Cancel

Enter your permit number and click *the Search* button.

## Add Existing Permit

Use this page to associate an existing facility permit to your account. Simply enter your Ohio EPA NPDES facility permit number below. If you do not know the facility permit number, you can search for it here.

### Ohio EPA NPDES Facility Permit Number

### Permit Search Results

Number	US EPA #	Type	Name	Issue Date	Expiration Date	Status	Properties
3IR00023*ID	OH0008184	INDUSTRIAL	Preferred Compounding Corp	3/5/15	3/31/20	ACTIVE	<input type="button" value="properties"/> <input type="button" value="Add Permit"/>

If a valid permit number has been entered the system will find the permit and display it in the Permit Search Results section. Click the **Add Permit** button to add the permit to your personal dashboard.

Permit List 1 Add Permit

Permit Number <span style="float: right;">^</span>	Name <span style="float: right;">v</span>	Type <span style="float: right;">v</span>	Issued <span style="float: right;">v</span>	Coverage <span style="float: right;">v</span>	Status <span style="float: right;">v</span>	Actions	Reporting
3IR00023*ID	Preferred Compounding Corp	NPDES Industrial	3/5/2015		Active	Actions <span style="float: right;">v</span>	Reporting <span style="float: right;">v</span>
<div style="border: 1px solid #ccc; padding: 5px; background-color: #f9f9f9;"> <ul style="list-style-type: none"> <li> Remove Permit from List</li> <li> Transfer Permit</li> <li> Renew Permit <span style="color: green; font-weight: bold;">←</span></li> <li> Modify Permit <span style="color: green; font-weight: bold;">←</span></li> </ul> </div>							- 1 displayed , 1 in total

From your personal dashboard, click the **Actions** dropdown to access management tools which will allow you to **Remove Permit from your List, Transfer Permit, Renew Permit, and Modify Permit**. NOTE: You can also select the Reporting dropdown to access any number of reporting forms that can be submitted electronically within minutes – many of which apply to many of the other 20 permit types that can be instantly accessed within STREAMS.

Click **Renew Permit** to renew your current NPDES Individual Permit coverage. The application is the same as shown in the “Creating New Applications” section of this document but many of the fields are already populated with information from the Agency database.

Click **Modify Permit** to modify your current NPDES Individual Permit coverage. See below for screenshots of the modification application form.

# Application for Modification of Ohio NPDES Permit

[Form Instructions](#)

General Permit Information	
<b>Permit Number</b> 3IR00023*ID	<b>Facility Location Information</b> Preferred Compounding Corp. 1020 Lambert Street Barberton, OH 44203
<b>Permittee Name</b> <input type="text"/>	

Facility Contact Information	
<b>First Name</b> <input type="text" value="Marcus"/>	<b>Last Name</b> <input type="text" value="Hereda"/>
<b>Title</b> <input type="text" value="EHS Specialist"/>	
<b>Email</b> <input type="text" value="Email"/>	<b>Phone</b> <input type="text" value="(330) 798-4790"/>
<b>Address</b> <input type="text" value="1020 Lambert Street"/>	
<b>City</b> <input type="text" value="Barberton"/>	

Facility information can be updated if the prepopulated information differs from the current information.

## Modification Request Details

### Name of Receiving Water or Waters

Name of Receiving Water(s)

### Provisions

You must describe in detail the provision(s) of the existing permit that you wish to modify. You may either type the details into this application or upload a file containing the information.

Text  Upload

### Modification Details

You must describe the requested modification in sufficient detail to allow Ohio EPA to process the request. You may either type the details into this application or upload a file containing the information.

Text  Upload

### Was a Permit to Install Required?

Yes

No

### Reasons

You must describe in detail the reasons you are seeking to modify the identified provisions of the existing permit. Refer to OAC 3745-33-04(D) for acceptable grounds for modifying a permit. You may either type the details into this application or upload a file containing the information.

Text  Upload

Fill in the Modification Request Details section.

Antidegradation Addendum	
The Antidegradation Addendum is required. Select the button at the right to edit this form.	<a href="#">Edit Antidegradation Addendum</a>
Fee Due	
\$200.00	

<b>Permit Modification</b> <a href="#">EDIT</a>	<a href="#">Validate</a>	<a href="#">Save</a>	<a href="#">Submit</a>	<a href="#">Exit</a>
3IR00023*ID				

If changes to the Antidegradation Addendum are required, simply click the *Edit Antidegradation Addendum* button and you will be directed to the form.

The final fee is shown at the bottom of the application form. You now have the option to click the *Validate* button to see if all fields have been filled out correctly, *Save*, *Exit*, or click *Submit* to submit the application to the agency. A saved application will be housed in your Application List on your personal dashboard until submitted, deleted, or delegated to another individual to submit. *NOTE: The option to print, delete, edit, and delegate the application will be available from your personal dashboard.*

## Transferring a Permit

Permit List 1 Add Permit

Permit Number <sup>^</sup>	Name <sup>v</sup>	Type <sup>v</sup>	Issued <sup>v</sup>	Coverage <sup>v</sup>	Status <sup>v</sup>	Actions	Reporting
3IR00023*ID	Preferred Compounding Corp	NPDES Industrial	3/5/2015		Active	<span>Actions <sup>v</sup></span>	<span>Reporting <sup>v</sup></span>

Remove Permit from List  
Transfer Permit ←  
Renew Permit  
Modify Permit

- 1 displayed , 1 in total

From your personal dashboard, click the **Actions** dropdown to access management tools which will allow you to click **Transfer Permit** to transfer the current NPDES Individual Permit coverage. See below for screenshots of the permit transfer application form.

# Permit Transfer Application Form

[Form Instructions](#)

General Permit Information 188301447

<b>Type of Permit</b> INDUSTRIAL	<b>Existing NPDES Permit Number</b> 3IR00023*ID	
<b>Facility Name</b> Preferred Compounding Corp.		
<b>Facility Address/Location</b> 1020 Lambert Street		
<b>City</b> Barberton	<b>State</b> OH	<b>Zip Code</b> 44203

The general permit information fields are prepopulated from the Agency database and locked.

**Existing Permit Holder Information (Transferor)**

**Initial Permittee Name**  
Preferred Compounding Corp.

**Existing Permit Holder Contact Person Information:**

<b>First Name</b> Marcus	<b>Last Name</b> Hereda	<b>Title</b> EHS Specialist
<b>Phone</b> (330) 798-4790	<b>E-mail Address</b>	

**What will the mailing address of the existing permit holder be after the transfer?**

**Address**  
[Empty text box]

**City**  
[Empty text box]

**State** [select]      **Zip Code** [Empty text box]      **Country** USA

Enter in the existing permit holder information and the address of the existing permit holder after the transfer is complete.

**Proposed Permit Holder Information (Transferee)**

What will the new facility mailing address be for the facility AFTER the transfer has been completed?

**New Facility Name**

**New Permittee Name**

**New Facility Mailing Address:**

**Address**

**City**

**State** [select] **Zip Code**  **Country** USA

Enter the proposed permit holder information after the transfer has been complete.

New Permit Holder Contact Person Information:

<b>First Name</b>	<b>Last Name</b>	<b>Title</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Phone**

What address would you like to use for all permit related correspondences?

**Address**

**City**

<b>State</b>	<b>Zip Code</b>	<b>Country</b>
<input type="text" value="[select]"/>	<input type="text"/>	<input type="text" value="USA"/>

Continue to populate information for the proposed permit holder.

Please list the name and mailing address for the new facility operator.

<b>First Name</b>	<b>Last Name</b>	<b>Title</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Address</b>		
<input type="text"/>		
<b>City</b>		
<input type="text"/>		
<b>State</b>	<b>Zip Code</b>	<b>Country</b>
<input type="text" value="[select]"/>	<input type="text"/>	<input type="text" value="USA"/>

Inspection Contact Information:

<b>First Name</b>	<b>Last Name</b>	<b>Title</b>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Provide the contact information for the new facility operator and inspection contact.

Authorization Details

**Old permittee coverage ending date**



**New permittee coverage commencement date**



**Agreement date**



**Application Authorization**

Pursuant to OAC 3745-33-03(F), list the individual authorized to sign applications and transfer agreements: Must be the principal executive officer, vice president or higher for a corporation; a general partner of a partnership; the proprietor of a proprietorship; principal executive officer, ranking elected official or duly authorized employee of a public entity

Enter in the transfer dates from the old permittee to new permittee.

### Report Authorization

Pursuant to 40 CFR Part 122.22(b), list the individual or position identified in this space is duly authorized by the individual named in [item 33] to sign all reports required by permit and other information that may be required by the Director.

### Modifications

Describe any material modifications to production or facilities, subsequent to the transfer, which may alter the volume or characteristics of this discharge (including change of SIC codes).

Transfer Application **EDIT**  
INDUSTRIAL

Validate Save Submit Exit

Complete the authorization and modification sections. You now have the option to click the **Validate** button to see if all fields have been filled out correctly, **Save**, **Exit**, or click **Submit** to submit the application to the agency. A saved application will be housed in your Application List on your personal dashboard until submitted, deleted, or delegated to another individual to submit. *NOTE: The option to print, delete, edit, and delegate the application will be available from your personal dashboard.*

## **Terminating Individual NPDES Permits**

If you want to terminate an individual NPDES permit because the wastewater discharge covered by the permit has ended, you must notify the appropriate Ohio EPA district office in writing. The letter should be on official letterhead and include the following information:

- Name of the permittee.
- Name of the facility.
- Ohio EPA permit number.
- Date that discharge ended.
- Since the discharge ended, where is the wastewater going? (For example, connection to regional sewers, or school closed – no wastewater.)
- Where any residual wastewater or solids were taken.
- Plans for remaining infrastructure, such as tanks. (For example, collapse and fill.)

The letter must be signed as follows:

- In the case of a corporation, by a responsible corporate officer. See paragraph (E)(1) of Ohio Administrative Code 3745-33-03 [PDF] for additional information.
- In the case of a partnership, by a general partner.
- In the case of a sole proprietorship, by the proprietor.
- In the case of a municipal, state or other public facility, by either the principal executive officer, the ranking elected official or other duly authorized employee.

## Submitting Application Forms

By transmitting this information using this Personal Identification Number (PIN), I certify that: (1) I have been authorized by Ohio EPA to use this PIN; (2) I am aware of and understand the requirements of my PIN Subscriber Agreement and it is my belief that I have complied with the terms of that agreement in all respects and am using this PIN in accordance with that Agreement; (3) I reviewed, or had the opportunity to review, the electronic version of the information, and I am transmitting the information knowingly; (4) I am without any reason to believe that the confidentiality of my PIN or security questions has or may have been compromised now or at any time prior to this submission; and (5) I understand that I may be subject to civil and criminal liability for falsely certifying.

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.

**Security Question: What color is red?**

...

**PIN:**

.....

When you click the **Submit** button, you will be prompted to answer a security question and enter your PIN (i.e., your personal electronic signature). Enter this information and click the **Submit** button.

By transmitting this information using this Personal Identification Number (PIN), I certify that: (1) I have been authorized by Ohio EPA to use this PIN; (2) I am aware of and understand the requirements of my PIN Subscriber Agreement and it is my belief that I have complied with the terms of that agreement in all respects and am using this PIN in accordance with that Agreement; (3) I reviewed, or had the opportunity to review, the electronic version of the information, and I am transmitting the information knowingly; (4) I am without any reason to believe that the confidentiality of my PIN or security questions has or may have been compromised now or at any time prior to this submission; and (5) I understand that I may be subject to civil and criminal liability for falsely certifying.

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.

 The PIN entered was incorrect. Please try again.

**Security Question: What color is red?**

Answer

**PIN:**

PIN

Entering in an incorrect security question answer or PIN will result in a red error message – simply just reenter this information and click the **Submit** button again.

## Editing, Deleting, and Delegation

Permit List 2 Add Permit

Permit Number <sup>^</sup>	Name <sup>v</sup>	Type <sup>v</sup>	Issued <sup>v</sup>	Coverage <sup>v</sup>	Status <sup>v</sup>	Actions	Reporting
3GK00833*BG	Household Sewage Treatment system	General	10/1/2012		Active	<span>Actions</span> <sup>v</sup>	<span>Reporting</span> <sup>v</sup>
4PV00110*CD	Hayden Heights MHP	NPDES Municipal	5/23/2014		Active	<span>Actions</span> <sup>v</sup>	<span>Reporting</span> <sup>v</sup>

1 - 2 displayed , 2 in total

Application List 2 Create New Permit Application

Application ID <sup>v</sup>	Number <sup>v</sup>	Application Type <sup>v</sup>	Location Name <sup>v</sup>	Created <sup>v</sup>	Status <sup>v</sup>	Actions
188228295	4PV00110*CD	Individual	Haden Heights MHP	9/22/2015	Edit	<span>Actions</span> <sup>v</sup>
188228170	<i>not yet assigned</i>	Notice of Intent	Test Facility			<ul style="list-style-type: none"> <li>Download Application PDF</li> <li>Edit Application</li> <li>Delete Application</li> <li>Delegate Application</li> </ul>

If you saved the application form and chose not to submit it immediately, it will now be housed on the Application List on your personal dashboard where you can now perform the tasks under the **Actions** dropdown. You have the ability to **Download a PDF copy** of the application, open the application back up in **Edit** mode, **Delete** it, or **Delegate** the application to another eBusiness Center account holder (ex. one person prepares the application, another person submits it).

State of Ohio | Ohio EPA | Logout



Ohio Environmental Protection Agency

eBusiness Center Jobtest1 - Test Ac

### Delete Application Confirmation

Delete application 188228295. This action can't be undone and you will lose all data entered for this application.

Permit List

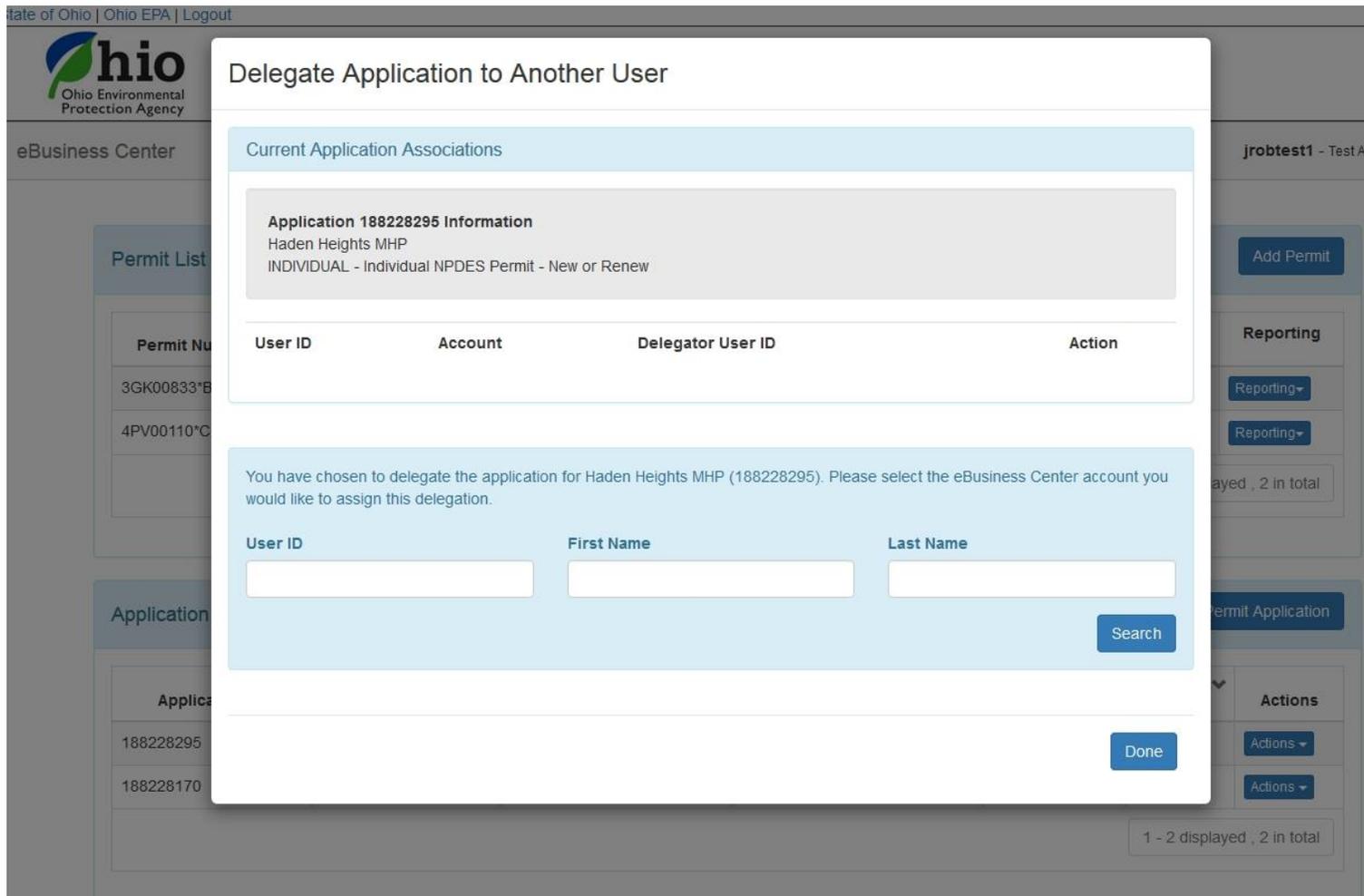
Permit Number ^	Name v	Type v	Issued v	Coverage v	Status v	Actions	Reporting
3GK00833*BG	Household Sewage Treatment system	General	10/1/2012		Active	<input type="button" value="Actions v"/>	<input type="button" value="Reporting v"/>
4PV00110*CD	Hayden Heights MHP	NPDES Municipal	5/23/2014		Active	<input type="button" value="Actions v"/>	<input type="button" value="Reporting v"/>

1 - 2 displayed , 2 in total

Application List

Application ID v	Number v	Application Type v	Location Name v	Created v	Status v	Actions
188228295	4PV00110*CD	Individual	Haden Heights MHP	9/22/2015	Edit	<input type="button" value="Actions v"/>

If you decide to delete the application form that you have created, simply click on the **Actions** dropdown and select **Delete Application**. A confirmation window will prompt you to confirm the deletion of the application. If confirmed, the application will no longer be present on your dashboard – you can now continue working in STREAMS or even create another application.



If you choose to delegate an application form, simply click on the **Actions** dropdown and select **Delegate Application**. The system will prompt you to search for the account holder that you want to delegate to. If you know their eBusiness Center account User ID, simply type it in and click **Search**. **TIP:** Do not fill in all search fields (for example, if you do not know the User ID, simply type in their last name and click **Search**.)

## Delegate Application to Another User

Current Application Associations

**Application 188228295 Information**  
Haden Heights MHP  
INDIVIDUAL - Individual NPDES Permit - New or Renew

User ID	Account	Delegator User ID	Action
---------	---------	-------------------	--------

You have chosen to delegate the application for Haden Heights MHP (188228295). Please select the eBusiness Center account you would like to assign this delegation.

User ID	First Name	Last Name
<input type="text"/>	<input type="text"/>	<input type="text" value="Roberts"/>

Account Search Results **41** Filter:

User ID	Name
0857731524	John Roberts
1122324	stephen roberts
12049043	Lisa Roberts
6231741131	Craig Roberts

The example above is a search by the Last Name of “Roberts”. The system returns a list of all user names that match, simply click the User ID to the left to delegate access to the application/report that you have created and saved.

## Delegate Application to Another User

Current Application Associations

**Application 188228295 Information**  
Haden Heights MHP  
INDIVIDUAL - Individual NPDES Permit - New or Renew

User ID	Account	Delegator User ID	Action
---------	---------	-------------------	--------

You have chosen to delegate the application for Haden Heights MHP (188228295). Please select the eBusiness Center account you would like to assign this delegation.

User ID	First Name	Last Name
<input type="text"/>	<input type="text"/>	Roberts

You have selected the following account. If this is correct select the 'Delegate' button to associate this account with your application. If this is not the correct account please refine your search criteria and search again.

**jrobert1**  
James Roberts  
50 West Town Street  
Columbus OH, 43215

A confirmation will be shown of the account holder that you selected, simply click the ***Delegate*** button to complete the delegation. At this point, the account holder you have delegated can log into their personal eBusiness Center account and will have the application/report listed on their dashboard.

# ePay – Fee Payment

## Ohio EPA Fee Payment Options

Your submission to Ohio EPA was successful. Payment of any applicable fees must be received by the due date shown on your invoice. Some fees have a penalty added for late payment. Late payment penalties, if any, are explained on the invoice. A confirmation email, including a copy of the invoice, has been sent to the email address associated with your account. Please save a copy of this invoice for your records.

Your invoice may be paid online with one of the credit cards listed below or by debiting your bank account through the Automated Clearing House (ACH). All online transactions are processed as one time payments. Ohio EPA does not save your credit card or bank account information. If you need assistance please call our Fiscal office, Mon. - Fri. between 8 AM and 5 PM (closed on holidays) at (614) 644-2339.

### Master Card, VISA or Discover Credit Card:

Any eBusiness account holder can pay using a credit card; you do not need a PIN. A service fee of 2.2% is added to payments made by credit card. The service fee covers Ohio EPA's processing cost. Service Fee Example: If you pay a \$100 invoice with a credit card the 2.2% service fee would be \$2.20. Your credit card statement will show two payments, the \$100 invoice payment and a separate \$2.20 service fee.

### Automated Clearing House (ACH):

Ohio EPA eBusiness account holders must have an Ohio EPA PIN to pay by ACH (electronic check) from your bank account. There is no service fee for ACH payments. Some bank accounts have a debit block or filter that rejects ACH payments. Please contact your bank if you think a debit block may be in place and ask your bank to modify or remove it before you pay using ACH.

Please download your invoice. After you download your invoice you may proceed with online payment or select the 'Exit' button if you will be sending your payment by US mail.

## Print Your Invoice



Download Invoice



To download your invoice you will need the free Adobe Acrobat Reader. If you do not have the reader you can download it by clicking on the image below.



## Pay Electronically

To proceed to the electronic payment page you must [download your invoice](#). If you are paying more than one fee, the online payment page will show each fee on a separate line. In order to verify the total you will need the invoice.

### Pay by Postal Mail with a Check or Money Order

Invoices may be paid by mailing a check or money order payable to Treasurer, State of Ohio along with a copy of the invoice or payment coupon to: Ohio EPA, Dept. L-2711, Columbus, Ohio 43260-2711. Please write the Revenue ID number or Transaction ID number from the invoice on your check or money order.

If you need assistance or have questions regarding Ohio EPA eBusiness Center please call our technical support at (877) 372-2499 (1-877-EPA-BIZZ) or send an e-mail to [ebizhelpdesk@epa.state.oh.us](mailto:ebizhelpdesk@epa.state.oh.us). Technical support hours of operation are 8:00 AM - 5:00 PM weekdays, except state holidays.

Exit

## Ohio EPA Fee Payment Options

### Pay Electronically

#### Master Card, VISA or Discover Credit Card:

A service fee of 2.2% is added to payments made by credit card. You will be charged for two payments, the invoice payment and a separate service fee. When you arrive at the payment screen please enter your billing name and address exactly as it appears on your credit card statement.

Amount Due:	\$123.00
Service Fee:	\$2.71
<b>Total Amount Due:</b>	<b>\$125.71</b>

Pay with Credit Card

#### Automated Clearing House (ACH):

There is no service fee for ACH payments. When you provide your bank account number and routing number, you authorize us to make a one-time electronic funds transfer from your bank account to pay the invoice. If there is a debit block on your bank account, ask your bank to allow transactions with Ohio EPA before paying with ACH. When you arrive at the payment screen verify the billing name and address match the information for your bank account and make corrections if necessary.

Total Amount Due: \$123.00

Pay with ACH (electronic check)

### Pay Later

If you would like to use Electronic Payment, but are not ready at this time, you can return to the eBusiness Center at a later time and select "Pay Ohio EPA Fees Online". You will need the Revenue ID or Transaction ID from your invoice to make your payment.

### US Mail Check, Money Order or State Agency ISTV

Invoices may be paid by mailing a check or money order payable to Treasurer, State of Ohio along with a copy of the invoice or payment coupon to: Ohio EPA, Dept. L-2711, Columbus, Ohio 43260-2711. Please write the Revenue ID number or Transaction ID number from the invoice on your check or money order. State agencies may pay with an ISTV by calling our Fiscal office at (614) 644-2339.

### Help Contacts

If you need assistance making a payment, please call our Fiscal office at (614) 644-2339. If you need assistance or have questions regarding Ohio EPA's eBusiness Center please call technical support at (877) 372-2499 (1-877-EPA-BIZZ) or send an email to [ebizhelpdesk@epa.ohio.gov](mailto:ebizhelpdesk@epa.ohio.gov). Hours of operation are 8:00 AM to 5:00 PM weekdays, except state holidays.

Exit

The preferred method of fee payment is through ePay. After submitting the application, the Fee Payment Options screen will appear (you will also get an email containing a PDF of both application & invoice). You can pay immediately, or pay later by logging into your account and clicking **Pay EPA Fees Online** in the available service list. To pay immediately, click the **Download Invoice** button to proceed with the online payment. The invoice information will appear on screen where the payer may select **Pay with Credit Card**, **Pay with ACH** or **Exit** (to return to the eBusiness Center home page). If paying via credit card, a 2.2% fee is applied – no fee is applied if using electronic check (Note: If the payer does not have an eBusiness Center PIN their only payment option is to pay by credit card. If your preferred method of payment is by electronic check simply return to the eBusiness Center and click **Apply for PIN**. On average you will receive a PIN in five business days where you can return to your account and click **Pay EPA Fees Online** in the available service list to return to the invoice payment screens to pay the fee.)

## **Technical Support**

For permit specific questions, contact the particular permit section at Ohio EPA or your Ohio EPA permit writer assigned to the particular permit. For technical assistance with STREAMS or any of the Division of Surface Water's Electronic Business Services, don't hesitate to contact the eDMR administrator. The administrator urges each account holder to develop a positive working relationship with DSW to remain current on relevant topics, obtain value-added tips, streamline efforts, and to always have a go-to contact when you need one.

The preferred method of communication is through email as the administrator can email you personalized click-by-click instructions. If you leave a voice mail or send an email, you will receive expert advice from the administrator -- nearly 95% of technical assistance requests are handled within minutes, but can take up to 24 hours if the administrator is out of the office or away from the desk.

**BUSINESS HOURS:** Mon-Fri: 8:15 a.m. – 4:45p.m

### Jamie Roberts

eBusiness Systems Administrator  
Division of Surface Water  
50 West Town Street, Suite 700  
Columbus, OH 43215

[James.Roberts@epa.ohio.gov](mailto:James.Roberts@epa.ohio.gov)

Phone: (614) 644-2054

eBusiness Center (PINS & Passwords): (877) 372-2499

**Appendix I**

**NPDES Form 1, 2A, 2B, 2C, 2D, 2E,  
2F, and 2S Instructions**

**NPDES Modification Instructions**

**NPDES Transfer Instructions**

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Permits Division

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# Application Form 1 - General Information

## Consolidated Permits Program

This form must be completed by all persons applying for a permit under EPA's Consolidated Permits Program. See the general instructions to Form 1 to determine which other application forms you will need.

**DESCRIPTION OF CONSOLIDATED PERMIT APPLICATION FORMS**

**FORM 1 PACKAGE TABLE OF CONTENTS**

The Consolidated Permit Application Forms are:

Form 1 — General Information (*included in this part*);

Form 2 — Discharges to Surface Water (*NPDES Permits*):

2A. Publicly Owned Treatment Works (*Reserved — not included in this package*),

2B. Concentrated Animal Feeding Operations and Aquatic Animal Production Facilities (*not included in this package*),

2C. Existing Manufacturing, Commercial, Mining, and Silvicultural Operations (*not included in this package*), and

2D. New Manufacturing, Commercial, Mining, and Silvicultural Operations (*Reserved — not included in this package*);

Form 3 — Hazardous Waste Application Form (*RCRA Permits — not included in this package*);

Form 4 — Underground Injection of Fluids (*UIC Permits — Reserved — not included in this package*); and

Form 5 — Air Emissions in Attainment Areas (*PSD Permits — Reserved — not included in this package*).

Section A. General Instructions

Section B. Instructions for Form 1

Section C. Activities Which Do Not Require Permits

Section D. Glossary

Form 1 (*two copies*)

**SECTION A — GENERAL INSTRUCTIONS**

**Who Must Apply**

With the exceptions described in Section C of these instructions, Federal laws prohibit you from conducting any of the following activities without a permit.

**NPDES** (*National Pollutant Discharge Elimination System Under the Clean Water Act, 33 U.S.C. 1251*). Discharge of pollutants into the waters of the United States.

**RCRA** (*Resource Conservation and Recovery Act, 42 U.S.C. 6901*). Treatment, storage, or disposal of hazardous wastes.

**UIC** (*Underground Injection Control Under the Safe Drinking Water Act, 42 U.S.C. 300f*). Injection of fluids underground by gravity flow or pumping.

**PSD** (*Prevention of Significant Deterioration Under the Clean Air Act, 72 U.S.C. 7401*). Emission of an air pollutant by a new or modified facility in or near an area which has attained the National Ambient Air Quality Standards for that pollutant.

Each of the above permit programs is operated in any particular State by either the United States Environmental Protection Agency (**EPA**) or by an approved State agency. You must use this application form to apply for a permit for those programs administered by EPA. For those programs administered by approved States, contact the State environmental agency for the proper forms.

If you have any questions about whether you need a permit under any of the above programs, or if you need information as to whether a particular program is administered by EPA or a State agency, or if you need to obtain application forms, contact your EPA Regional office (*listed in Table 1*).

Upon your request, and based upon information supplied by you, EPA will determine whether you are required to obtain a permit for a particular facility. Be sure to contact EPA if you have a question, because Federal laws provide that you may be heavily penalized if you do not apply for a permit when a permit is required.

Form 1 of the EPA consolidated application forms collects general information applying to all programs. You must fill out Form 1 regardless of which permit you are applying for. In addition, you must fill out one of the supplementary forms (*Forms 2 — 5*) for each permit needed under each of the above programs. Item II of Form 1 will guide you to the appropriate supplementary forms.

You should note that there are certain exclusions to the permit requirements listed above. The exclusions are described in detail in Section C of these instructions. If your activities are excluded from permit requirements then you do not need to complete and return any forms.

**NOTE:** Certain activities not listed above also are subject to EPA administered environmental permit requirements. These include permits for ocean dumping, dredged or fill material discharging, and certain types of air emissions. Contact your EPA Regional office for further information.

**Table 1. Addresses of EPA Regional Contacts and States Within the Regional Office Jurisdictions**

**REGION I**

Permit Contact, Environmental and Economic Impact Office, U.S. Environmental Protection Agency, John F. Kennedy Building, Boston, Massachusetts 02203, (617) 223-4635, FTS 223-4635.  
Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**REGION II**

Permit Contact, Permits Administration Branch, Room 432, U.S. Environmental Protection Agency, 26 Federal Plaza, New York, New York 10007, (212) 264-9880, FTS 264-9880.  
New Jersey, New York, Virgin Islands, and Puerto Rico.

**REGION III**

Permit Contact (*3 EN 23*), U.S. Environmental Protection Agency, 6th & Walnut Streets, Philadelphia, Pennsylvania 19106, (215) 597-8816, FTS 597-8816.  
Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia.

**REGION IV**

Permit Contact, Permits Section, U.S. Environmental Protection Agency, 345 Courtland Street, N.E., Atlanta, Georgia 30365, (404) 881-2017, FTS 257-2017.  
Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee.

**REGION V**

Permit Contact (*5EP*), U.S. Environmental Protection Agency, 230 South Dearborn Street, Chicago, Illinois 60604, (312) 353-2105, FTS 353-2105.  
Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin.

**SECTION A – GENERAL INSTRUCTIONS (continued)**

**Table 1 (continued)**

**REGION VI**

Permit Contact (SAEP), U.S. Environmental Protection Agency, First International Building, 1201 Elm Street, Dallas, Texas 75270, (214) 767-2765, FTS 729-2765.  
Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

**REGION VII**

Permit Contact, Permits Branch, U.S. Environmental Protection Agency, 324 East 11th Street, Kansas City, Missouri 64106, (816) 758-5955, FTS 758-5955.  
Iowa, Kansas, Missouri, and Nebraska.

**REGION VIII**

Permit Contact (BE-WE), Suite 103, U.S. Environmental Protection Agency, 1860 Lincoln Street, Denver, Colorado 80295, (303) 837-4901, FTS 327-4901.  
Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**REGION IX**

Permit Contact, Permits Branch (E-4), U.S. Environmental Protection Agency, 215 Fremont Street, San Francisco, California 94105, (415) 556-3450, FTS 556-3450.  
Arizona, California, Hawaii, Nevada, Guam, American Samoa, and Trust Territories.

**REGION X**

Permit Contact (M/S 521), U.S. Environmental Protection Agency, 1200 6th Avenue, Seattle, Washington 98101, (206) 442-7176, FTS 399-7176.  
Alaska, Idaho, Oregon, and Washington.

**Where to File**

The application forms should be mailed to the EPA Regional office whose Region includes the State in which the facility is located (see Table 1).

If the State in which the facility is located administers a Federal permit program under which you need a permit, you should contact the appropriate State agency for the correct forms. Your EPA Regional office (Table 1) can tell you to whom to apply and can provide the appropriate address and phone number.

**When to File**

Because of statutory requirements, the deadlines for filing applications vary according to the type of facility you operate and the type of permit you need. These deadlines are as follows:<sup>1</sup>

**Table 2. Filing Dates for Permits**

FORM(permit)	WHEN TO FILE
2A(NPDES)	180 days before your present NPDES permit expires.
2B(NPDES)	180 days before your present NPDES permit expires <sup>2</sup> , or 180 days prior to startup if you are a new facility.
2C(NPDES)	180 days before your present NPDES permit expires <sup>2</sup> .
2D(NPDES)	180 days prior to startup.
3(Hazardous Waste)	Existing facility: Six months following publication of regulations listing hazardous wastes. New facility: 180 days before commencing physical construction.

**Table 2 (continued)**

4(UIC) . . . . . A reasonable time prior to construction for new wells; as directed by the Director for existing wells.  
5(PSD) . . . . . Prior to commencement of construction.

<sup>1</sup> Please note that some of these forms are not yet available for use and are listed as "Reserved" at the beginning of these instructions. Contact your EPA Regional office for information on current application requirements and forms.

<sup>2</sup> If your present permit expires on or before November 30, 1980, the filing date is the date on which your permit expires. If your permit expires during the period December 1, 1980 – May 31, 1981, the filing date is 90 days before your permit expires.

Federal regulations provide that you may not begin to construct a new source in the NPDES program, a new hazardous waste management facility, a new injection well, or a facility covered by the PSD program before the issuance of a permit under the applicable program. Please note that if you are required to obtain a permit before beginning construction, as described above, you may need to submit your permit application well in advance of an applicable deadline listed in Table 2.

**Fees**

The U.S. EPA does not require a fee for applying for any permit under the consolidated permit programs. (However, some States which administer one or more of these programs require fees for the permits which they issue.)

**Availability of Information to Public**

Information contained in these application forms will, upon request, be made available to the public for inspection and copying. However, you may request confidential treatment for certain information which you submit on certain supplementary forms. The specific instructions for each supplementary form state what information on the form, if any, may be claimed as confidential and what procedures govern the claim. No information on Forms 1 and 2A through 2D may be claimed as confidential.

**Completion of Forms**

Unless otherwise specified in instructions to the forms, each item in each form must be answered. To indicate that each item has been considered, enter "NA," for not applicable, if a particular item does not fit the circumstances or characteristics of your facility or activity.

If you have previously submitted information to EPA or to an approved State agency which answers a question, you may either repeat the information in the space provided or attach a copy of the previous submission. Some items in the form require narrative explanation. If more space is necessary to answer a question, attach a separate sheet entitled "Additional Information."

**Financial Assistance for Pollution Control**

There are a number of direct loans, loan guarantees, and grants available to firms and communities for pollution control expenditures. These are provided by the Small Business Administration, the Economic Development Administration, the Farmers Home Administration, and the Department of Housing and Urban Development. Each EPA Regional office (Table 1) has an economic assistance coordinator who can provide you with additional information.

EPA's construction grants program under Title II of the Clean Water Act is an additional source of assistance to publicly owned treatment works. Contact your EPA Regional office for details.

## SECTION B – FORM 1 LINE-BY-LINE INSTRUCTIONS

This form must be completed by all applicants.

### Completing This Form

Please type or print in the unshaded areas only. Some items have small graduation marks in the fill-in spaces. These marks indicate the number of characters that may be entered into our data system. The marks are spaced at 1/6" intervals which accommodate elite type (12 characters per inch). If you use another type you may ignore the marks. If you print, place each character between the marks. Abbreviate if necessary to stay within the number of characters allowed for each item. Use one space for breaks between words, but not for punctuation marks unless they are needed to clarify your response.

#### Item I

Space is provided at the upper right hand corner of Form 1 for insertion of your EPA Identification Number. If you have an existing facility, enter your Identification Number. If you don't know your EPA Identification Number, please contact your EPA Regional office (Table 1), which will provide you with your number. If your facility is new (not yet constructed), leave this item blank.

#### Item II

Answer each question to determine which supplementary forms you need to fill out. Be sure to check the glossary in Section D of these instructions for the legal definitions of the bold faced words. Check Section C of these instructions to determine whether your activity is excluded from permit requirements.

If you answer "no" to every question, then you do not need a permit, and you do not need to complete and return any of these forms.

If you answer "yes" to any question, then you must complete and file the supplementary form by the deadline listed in Table 2 along with this form. (The applicable form number follows each question and is enclosed in parentheses.) You need not submit a supplementary form if you already have a permit under the appropriate Federal program, unless your permit is due to expire and you wish to renew your permit.

Questions (I) and (J) of Item II refer to major new or modified sources subject to Prevention of Significant Deterioration (PSD) requirements under the Clean Air Act. For the purpose of the PSD program, major sources are defined as: (A) Sources listed in Table 3 which have the potential to emit 100 tons or more per year emissions; and (B) All other sources with the potential to emit 250 tons or more per year. See Section C of these instructions for discussion of exclusions of certain modified sources.

**Table 3. 28 Industrial Categories Listed in Section 169(1) of the Clean Air Act of 1977**

Fossil fuel-fired steam generators of more than 250 million BTU per hour heat input;  
 Coal cleaning plants (with thermal dryers);  
 Kraft pulp mills;  
 Portland cement plants;  
 Primary zinc smelters;  
 Iron and steel mill plants;  
 Primary aluminum ore reduction plants;  
 Primary copper smelters;  
 Municipal incinerators capable of charging more than 250 tons of refuse per day;  
 Hydrofluoric acid plants;  
 Nitric acid plants;  
 Sulfuric acid plants;  
 Petroleum refineries;  
 Lime plants;  
 Phosphate rock processing plants;  
 Coke oven batteries;  
 Sulfur recovery plants;  
 Carbon black plants (furnace process);  
 Primary lead smelters;  
 Fuel conversion plants;  
 Sintering plants;  
 Secondary metal production plants;  
 Chemical process plants;  
 Fossil fuel boilers (or combination thereof) totaling more than 250 million BTU per hour heat input;

### Table 3 (continued)

Petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels;  
 Taconite ore processing plants;  
 Glass fiber processing plants; and  
 Charcoal production plants.

#### Item III

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

#### Item IV

Give the name, title, and work telephone number of a person who is thoroughly familiar with the operation of the facility and with the facts reported in this application and who can be contacted by reviewing offices if necessary.

#### Item V

Give the complete mailing address of the office where correspondence should be sent. This often is not the address used to designate the location of the facility or activity.

#### Item VI

Give the address or location of the facility identified in Item III of this form. If the facility lacks a street name or route number, give the most accurate alternative geographic information (e.g., section number or quarter section number from county records or at intersection of Rts. 425 and 22).

#### Item VII

List, in descending order of significance, the four 4-digit standard industrial classification (SIC) codes which best describe your facility in terms of the principal products or services you produce or provide. Also, specify each classification in words. These classifications may differ from the SIC codes describing the operation generating the discharge, air emissions, or hazardous wastes.

SIC code numbers are descriptions which may be found in the "Standard Industrial Classification Manual" prepared by the Executive Office of the President, Office of Management and Budget, which is available from the Government Printing Office, Washington, D.C. Use the current edition of the manual. If you have any questions concerning the appropriate SIC code for your facility, contact your EPA Regional office (see Table 1).

#### Item VIII-A

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. The operator of the facility is the legal entity which controls the facility's operation rather than the plant or site manager. Do not use a colloquial name.

#### Item VIII-B

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

#### Item VIII-C

Enter the appropriate letter to indicate the legal status of the operator of the facility. Indicate "public" for a facility solely owned by local government(s) such as a city, town, county, parish, etc.

#### Items VIII-D - H

Enter the telephone number and address of the operator identified in Item VIII-A.

**SECTION B - FORM 1 LINE-BY-LINE INSTRUCTIONS (continued)**

**Item IX**

Indicate whether the facility is located on Indian Lands.

**Item X**

Give the number of each presently effective permit issued to the facility for each program or, if you have previously filed an application but have not yet received a permit, give the number of the application, if any. Fill in the unshaded area only. If you have more than one currently effective permit for your facility under a particular permit program, you may list additional permit numbers on a separate sheet of paper. List any relevant environmental Federal (e.g., permits under the Ocean Dumping Act, Section 404 of the Clean Water Act or the Surface Mining Control and Reclamation Act), State (e.g., State permits for new air emission sources in nonattainment areas under Part D of the Clean Air Act or State permits under Section 404 of the Clean Water Act), or local permits or applications under "other."

**Item XI**

Provide a topographic map or maps of the area extending at least to one mile beyond the property boundaries of the facility which clearly show the following:

- The legal boundaries of the facility;
- The location and serial number of each of your existing and proposed intake and discharge structures;
- All hazardous waste management facilities;
- Each well where you inject fluids underground; and
- All springs and surface water bodies in the area, plus all drinking water wells within 1/4 mile of the facility which are identified in the public record or otherwise known to you.

If an intake or discharge structure, hazardous waste disposal site, or injection well associated with the facility is located more than one mile from the plant, include it on the map, if possible. If not, attach additional sheets describing the location of the structure, disposal site, or well, and identify the U.S. Geological Survey (or other) map corresponding to the location.

On each map, include the map scale, a meridian arrow showing north, and latitude and longitude at the nearest whole second. On all maps of rivers, show the direction of the current, and in tidal waters, show the directions of the ebb and flow tides. Use a 7-1/2 minute series map published by the U.S. Geological Survey, which may be obtained through the U.S. Geological Survey Offices listed below. If a 7-1/2 minute series map has not been published for your facility site, then you may use a 15 minute series map from the U.S. Geological Survey. If neither a 7-1/2 nor 15 minute series map has been published for your facility site, use a plat map or other appropriate map, including all the requested information; in this case, briefly describe land uses in the map area (e.g., residential, commercial).

You may trace your map from a geological survey chart, or other map meeting the above specifications. If you do, your map should bear a note showing the number or title of the map or chart it was traced from. Include the names of nearby towns, water bodies, and other prominent points. An example of an acceptable location map is shown in Figure 1-1 of these instructions. (NOTE: Figure 1-1 is provided for purposes of illustration only, and does not represent any actual facility.)

U.S.G.S. OFFICES	AREA SERVED
Eastern Mapping Center National Cartographic Information Center U.S.G.S. 536 National Center Reston, Va. 22092 Phone No. (703) 860-6336	Ala., Conn., Del., D.C., Fla., Ga., Ind., Ky., Maine, Md., Mass., N.H., N.J., N.Y., N.C., S.C., Ohio, Pa., Puerto Rico, R.I., Tenn., Vt., Va., W. Va., and Virgin Islands.

**Item XI (continued)**

Mid Continent Mapping Center  
National Cartographic Information Center  
U.S.G.S.  
1400 Independence Road  
Rolla, Mo. 65401  
Phone No. (314) 341-0851

Ark., Ill., Iowa, Kans., La., Mich., Minn., Miss., Mo., N. Dak., Nebr., Okla., S. Dak., and Wis.

Rocky Mountain Mapping Center  
National Cartographic Information Center  
U.S.G.S.  
Stop 504, Box 25046 Federal Center  
Denver, Co. 80225  
Phone No. (303) 234-2326

Alaska, Colo., Mont., N. Mex., Tex., Utah, and Wyo.

Western Mapping Center  
National Cartographic Information Center  
U.S.G.S.  
345 Middlefield Road  
Menlo Park, Ca. 94025  
Phone No. (415) 323-8111

Ariz., Calif., Hawaii, Idaho, Nev., Oreg., Wash., American Samoa, Guam, and Trust Territories

**Item XII**

Briefly describe the nature of your business (e.g., products produced or services provided).

**Item XIII**

Federal statutes provide for severe penalties for submitting false information on this application form.

18 U.S.C. Section 1001 provides that "Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both."

Section 309(c)(2) of the Clean Water Act and Section 113(c)(2) of the Clean Air Act each provide that "Any person who knowingly makes any false statement, representation, or certification in any application, . . . shall upon conviction, be punished by a fine of no more than \$10,000 or by imprisonment for not more than six months, or both."

In addition, Section 3008(d)(3) of the Resource Conservation and Recovery Act provides for a fine up to \$25,000 per day or imprisonment up to one year, or both, for a first conviction for making a false statement in any application under the Act, and for double these penalties upon subsequent convictions.

**FEDERAL REGULATIONS REQUIRE THIS APPLICATION TO BE SIGNED AS FOLLOWS:**

- A. For a corporation, by a principal executive officer of at least the level of vice president. However, if the only activity in Item II which is marked "yes" is Question G, the officer may authorize a person having responsibility for the overall operations of the well or well field to sign the certification. In that case, the authorization must be written and submitted to the permitting authority.
- B. For partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- C. For a municipality, State, Federal, or other public facility, by either a principal executive officer or ranking elected official.

## SECTION C - ACTIVITIES WHICH DO NOT REQUIRE PERMITS

**I. National Pollutant Discharge Elimination System Permits Under the Clean Water Act.** You are not required to obtain an NPDES permit if your discharge is in one of the following categories, as provided by the Clean Water Act (CWA) and by the NPDES regulations (40 CFR Parts 122-125). However, under Section 510 of CWA a discharge exempted from the federal NPDES requirements may still be regulated by a State authority; contact your State environmental agency to determine whether you need a State permit.

**A. DISCHARGES FROM VESSELS.** Discharges of sewage from vessels, effluent from properly functioning marine engines, laundry, shower, and galley sink wastes, and any other discharge incidental to the normal operation of a vessel do not require NPDES permits. However, discharges of rubbish, trash, garbage, or other such materials discharged overboard require permits, and so do other discharges when the vessel is operating in a capacity other than as a means of transportation, such as when the vessel is being used as an energy or mining facility, a storage facility, or a seafood processing facility, or is secured to the bed of the ocean, contiguous zone, or waters of the United States for the purpose of mineral or oil exploration or development.

**B. DREDGED OR FILL MATERIAL.** Discharges of dredged or fill material into waters of the United States do not need NPDES permits if the dredging or filling is authorized by a permit issued by the U.S. Army Corps of Engineers or an EPA approved State under Section 404 of CWA.

**C. DISCHARGES INTO PUBLICLY OWNED TREATMENT WORKS (POTW).** The introduction of sewage, industrial wastes, or other pollutants into a POTW does not need an NPDES permit. You must comply with all applicable pretreatment standards promulgated under Section 307(b) of CWA, which may be included in the permit issued to the POTW. If you have a plan or an agreement to switch to a POTW in the future, this does not relieve you of the obligation to apply for and receive an NPDES permit until you have stopped discharging pollutants into waters of the United States.

*(NOTE: Dischargers into privately owned treatment works do not have to apply for or obtain NPDES permits except as otherwise required by the EPA Regional Administrator. The owner or operator of the treatment works itself, however, must apply for a permit and identify all users in its application. Users so identified will receive public notice of actions taken on the permit for the treatment works.)*

**D. DISCHARGES FROM AGRICULTURAL AND SILVICULTURAL ACTIVITIES.** Most discharges from agricultural and silvicultural activities to waters of the United States do not require NPDES permits. These include runoff from orchards, cultivated crops, pastures, range lands, and forest lands. However, the discharges listed below do require NPDES permits. Definitions of the terms listed below are contained in the Glossary section of these instructions.

1. Discharges from Concentrated Animal Feeding Operations. (See Glossary for definitions of "animal feeding operations" and "concentrated animal feeding operations." Only the latter require permits.)

2. Discharges from Concentrated Aquatic Animal Production Facilities. (See Glossary for size cutoffs.)

3. Discharges associated with approved Aquaculture Projects.

4. Discharges from Silvicultural Point Sources. (See Glossary for the definition of "silvicultural point source.") Nonpoint source silvicultural activities are excluded from NPDES permit requirements. However, some of these activities, such as stream crossings for roads, may involve point source discharges of dredged or fill material which may require a Section 404 permit. See 33 CFR 209.120.

**E. DISCHARGES IN COMPLIANCE WITH AN ON-SCENE COORDINATOR'S INSTRUCTIONS.**

**II. Hazardous Waste Permits Under the Resource Conservation and Recovery Act.** You may be excluded from the requirement to obtain a permit under this program if you fall into one of the following categories:

Generators who accumulate their own hazardous waste on-site for less than 90 days as provided in 40 CFR 262.34;

Farmers who dispose of hazardous waste pesticide from their own use as provided in 40 CFR 262.51;

Certain persons treating, storing, or disposing of small quantities of hazardous waste as provided in 40 CFR 261.4 or 261.5; and

Owners and operators of totally enclosed treatment facilities as defined in 40 CFR 260.10.

Check with your Regional office for details. Please note that even if you are excluded from permit requirements, you may be required by Federal regulations to handle your waste in a particular manner.

**III. Underground Injection Control Permits Under the Safe Drinking Water Act.** You are not required to obtain a permit under this program if you:

Inject into existing wells used to enhance recovery of oil and gas or to store hydrocarbons (*note, however, that these underground injections are regulated by Federal rules*); or

Inject into or above a stratum which contains, within 1/4 mile of the well bore, an underground source of drinking water (*unless your injection is the type identified in Item II-H, for which you do need a permit*). However, you must notify EPA of your injection and submit certain required information on forms supplied by the Agency, and your operation may be phased out if you are a generator of hazardous wastes or a hazardous waste management facility which uses wells or septic tanks to dispose of hazardous waste.

**IV. Prevention of Significant Deterioration Permits Under the Clean Air Act.** The PSD program applies to newly constructed or modified facilities (*both of which are referred to as "new sources"*) which increase air emissions. The Clean Air Act Amendments of 1977 exclude small new sources of air emissions from the PSD review program. Any new source in an industrial category listed in Table 3 of these instructions whose potential to emit is less than 100 tons per year is not required to get a PSD permit. In addition, any new source in an industrial category not listed in Table 3 whose potential to emit is less than 250 tons per year is exempted from the PSD requirements.

Modified sources which increase their net emissions (*the difference between the total emission increases and total emission decreases at the source*) less than the significant amount set forth in EPA regulations are also exempt from PSD requirements. Contact your EPA Regional office (Table 1) for further information.

## SECTION D – GLOSSARY

**NOTE:** This Glossary includes terms used in the instructions and in Forms 1, 2B, 2C, and 3. Additional terms will be included in the future when other forms are developed to reflect the requirements of other parts of the Consolidated Permits Program. If you have any questions concerning the meaning of any of these terms, please contact your EPA Regional office (*Table 1*).

**ALIQUOT** means a sample of specified volume used to make up a total composite sample.

**ANIMAL FEEDING OPERATION** means a lot or facility (*other than an aquatic animal production facility*) where the following conditions are met:

A. Animals (*other than aquatic animals*) have been, are, or will be stabled or confined and fed or maintained for a total of 45 days or more in any 12 month period; and

B. Crops, vegetation, forage growth, or post-harvest residues are not sustained in the normal growing season over any portion of the lot or facility.

Two or more animal feeding operations under common ownership are a single animal feeding operation if they adjoin each other or if they use a common area or system for the disposal of wastes.

**ANIMAL UNIT** means a unit of measurement for any animal feeding operation calculated by adding the following numbers: The number of slaughter and feeder cattle multiplied by 1.0; Plus the number of mature dairy cattle multiplied by 1.4; Plus the number of swine weighing over 25 kilograms (*approximately 55 pounds*) multiplied by 0.4; Plus the number of sheep multiplied by 0.1; Plus the number of horses multiplied by 2.0.

**APPLICATION** means the EPA standard national forms for applying for a permit, including any additions, revisions, or modifications to the forms; or forms approved by EPA for use in approved States, including any approved modifications or revisions. For RCRA, "application" also means "Application, Part B."

**APPLICATION, PART A** means that part of the Consolidated Permit Application forms which a RCRA permit applicant must complete to qualify for interim status under Section 3005(e) of RCRA and for consideration for a permit. Part A consists of Form 1 (*General Information*) and Form 3 (*Hazardous Waste Application Form*).

**APPLICATION, PART B** means that part of the application which a RCRA permit applicant must complete to be issued a permit. (*NOTE: EPA is not developing a specific form for Part B of the permit application, but an instruction booklet explaining what information must be supplied is available from the EPA Regional office.*)

**APPROVED PROGRAM** or **APPROVED STATE** means a State program which has been approved or authorized by EPA under 40 CFR Part 123.

**AQUACULTURE PROJECT** means a defined managed water area which uses discharges of pollutants into that designated area for the maintenance or production of harvestable freshwater, estuarine, or marine plants or animals. "Designated area" means the portions of the waters of the United States within which the applicant plans to confine the cultivated species, using a method of plan or operation (*including, but not limited to, physical confinement*) which, on the basis of reliable scientific evidence, is expected to ensure the specific individual organisms comprising an aquaculture crop will enjoy increased growth attributable to the discharge of pollutants and be harvested within a defined geographic area.

**AQUIFER** means a geological formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring.

**AREA OF REVIEW** means the area surrounding an injection well which is described according to the criteria set forth in 40 CFR Section 146.06.

**AREA PERMIT** means a UIC permit applicable to all or certain wells within a geographic area, rather than to a specified well, under 40 CFR Section 122.37.

**ATTAINMENT AREA** means, for any air pollutant, an area which has been designated under Section 107 of the Clean Air Act as having ambient air quality levels better than any national primary or secondary ambient air quality standard for that pollutant. Standards have been set for sulfur oxides, particulate matter, nitrogen dioxide, carbon monoxide, ozone, lead, and hydrocarbons. For purposes of the Glossary, "attainment area" also refers to "unclassifiable area," which means, for any pollutants, an area designated under Section 107 as unclassifiable with respect to that pollutant due to insufficient information.

**BEST MANAGEMENT PRACTICES (BMP)** means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMP's include treatment requirements, operation procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**BIOLOGICAL MONITORING TEST** means any test which includes the use of aquatic algal, invertebrate, or vertebrate species to measure acute or chronic toxicity, and any biological or chemical measure of bioaccumulation.

**BYPASS** means the intentional diversion of wastes from any any portion of a treatment facility.

**CONCENTRATED ANIMAL FEEDING OPERATION** means an animal feeding operation which meets the criteria set forth in either (A) or (B) below or which the Director designates as such on a case-by-case basis:

A. More than the numbers of animals specified in any of the following categories are confined:

1. 1,000 slaughter or feeder cattle,
2. 700 mature dairy cattle (*whether milked or dry cows*),
3. 2,500 swine each weighing over 25 kilograms (*approximately 55 pounds*),
4. 500 horses,
5. 10,000 sheep or lambs,
6. 55,000 turkeys,
7. 100,000 laying hens or broilers (*if the facility has a continuous overflow watering*),
8. 30,000 laying hens or broilers (*if the facility has a liquid manure handling system*),
9. 5,000 ducks, or
10. 1,000 animal units; or

B. More than the following numbers and types of animals are confined:

1. 300 slaughter or feeder cattle,
2. 200 mature dairy cattle (*whether milked or dry cows*),
3. 750 swine each weighing over 25 kilograms (*approximately 55 pounds*),
4. 150 horses,

SECTION D - GLOSSARY (continued)

CONCENTRATED ANIMAL FEEDING OPERATION (continued)

5. 3,000 sheep or lambs,
6. 16,500 turkeys,
7. 30,000 laying hens or broilers (if the facility has continuous overflow watering),
8. 9,000 laying hens or broilers (if the facility has a liquid manure handling system),
9. 1,500 ducks, or
10. 300 animal units; AND

Either one of the following conditions are met: Pollutants are discharged into waters of the United States through a manmade ditch, flushing system or other similar manmade device ("manmade" means constructed by man and used for the purpose of transporting wastes); or Pollutants are discharged directly into waters of the United States which originate outside of and pass over, across, or through the facility or otherwise come into direct contact with the animals confined in the operation.

Provided, however, that no animal feeding operation is a concentrated animal feeding operation as defined above if such animal feeding operation discharges only in the event of a 25 year, 24 hour storm event.

CONCENTRATED AQUATIC ANIMAL PRODUCTION FACILITY means a hatchery, fish farm, or other facility which contains, grows or holds aquatic animals in either of the following categories, or which the Director designates as such on a case-by-case basis:

A. Cold water fish species or other cold water aquatic animals including, but not limited to, the Salmonidae family of fish (e.g., trout and salmon) in ponds, raceways or other similar structures which discharge at least 30 days per year but does not include:

1. Facilities which produce less than 9,090 harvest weight kilograms (approximately 20,000 pounds) of aquatic animals per year; and
2. Facilities which feed less than 2,272 kilograms (approximately 5,000 pounds) of food during the calendar month of maximum feeding.

B. Warm water fish species or other warm water aquatic animals including, but not limited to, the Ameiuridae, Cetrarchidae, and Cyprinidae families of fish (e.g., respectively, catfish, sunfish, and minnows) in ponds, raceways, or other similar structures which discharge at least 30 days per year, but does not include:

1. Closed ponds which discharge only during periods of excess runoff; or
2. Facilities which produce less than 45,454 harvest weight kilograms (approximately 100,000 pounds) of aquatic animals per year.

CONTACT COOLING WATER means water used to reduce temperature which comes into contact with a raw material, intermediate product, waste product other than heat, or finished product.

CONTAINER means any portable device in which a material is stored, transported, treated, disposed of, or otherwise handled.

CONTIGUOUS ZONE means the entire zone established by the United States under article 24 of the convention of the Territorial Sea and the Contiguous Zone.

CWA means the Clean Water Act (formerly referred to the Federal Water Pollution Control Act) Pub. L. 92-500, as amended by Pub. L. 95-217 and Pub. L. 95-576, 33 U.S.C. 1251 et seq.

DIKE means any embankment or ridge of either natural or manmade materials used to prevent the movement of liquids, sludges, solids, or other materials.

DIRECT DISCHARGE means the discharge of a pollutant as defined below.

DIRECTOR means the EPA Regional Administrator or the State Director as the context requires.

DISCHARGE (OF A POLLUTANT) means:

- A. Any addition of any pollutant or combination of pollutants to waters of the United States from any point source; or
- B. Any addition of any pollutant or combination of pollutants to the waters of the contiguous zone or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation.

This definition includes discharges into waters of the United States from: Surface runoff which is collected or channelled by man; Discharges through pipes, sewers, or other conveyances owned by a State, municipality, or other person which do not lead to POTW's; and Discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. This term does not include an addition of pollutants by any indirect discharger.

DISPOSAL (in the RCRA program) means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any hazardous waste into or on any land or water so that the hazardous waste or any constituent of it may enter the environment or be emitted into the air or discharged into any waters, including ground water.

DISPOSAL FACILITY means a facility or part of a facility at which hazardous waste is intentionally placed into or on land or water, and at which hazardous waste will remain after closure.

EFFLUENT LIMITATION means any restriction imposed by the Director on quantities, discharge rates, and concentrations of pollutants which are discharged from point sources into waters of the United States, the waters of the contiguous zone, or the ocean.

EFFLUENT LIMITATION GUIDELINE means a regulation published by the Administrator under Section 304(b) of the Clean Water Act to adopt or revise effluent limitations.

ENVIRONMENTAL PROTECTION AGENCY (EPA) means the United States Environmental Protection Agency.

EPA IDENTIFICATION NUMBER means the number assigned by EPA to each generator, transporter, and facility.

EXEMPTED AQUIFER means an aquifer or its portion that meets the criteria in the definition of USDW, but which has been exempted according to the procedures in 40 CFR Section 122.35(b).

EXISTING HWM FACILITY means a Hazardous Waste Management facility which was in operation, or for which construction had commenced, on or before October 21, 1976. Construction had commenced if (A) the owner or operator had obtained all necessary Federal, State, and local preconstruction approvals or permits, and either (B1) a continuous on-site, physical construction program had begun, or (B2) the owner or operator had entered into contractual obligations, which could not be cancelled or modified without substantial loss, for construction of the facility to be completed within a reasonable time.

(NOTE: This definition reflects the literal language of the statute. However, EPA believes that amendments to RCRA now in conference will shortly be enacted and will change the date for determining when a facility is an "existing facility" to one no earlier than May of 1980; indications are the conferees are considering October 30, 1980. Accordingly, EPA encourages every owner or operator of a facility which was built or under construction as of the promulgation date of the RCRA program regulations to file Part A of its permit application so that it can be quickly processed for interim status when the change in the law takes effect. When those amendments are enacted, EPA will amend this definition.)

EXISTING SOURCE or EXISTING DISCHARGER (in the NPDES program) means any source which is not a new source or a new discharger.

SECTION D - GLOSSARY (continued)

EXISTING INJECTION WELL means an injection well other than a new injection well.

FACILITY means any HWM facility, UIC, underground injection well, NPDES point source, PSD stationary source, or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the RCRA, UIC, NPDES, or PSD programs.

FLUID means material or substance which flows or moves whether in a semisolid, liquid, sludge, gas, or any other form or state.

GENERATOR means any person by site, whose act or process produces hazardous waste identified or listed in 40 CFR Part 261.

GROUNDWATER means water below the land surface in a zone of saturation.

HAZARDOUS SUBSTANCE means any of the substances designated under 40 CFR Part 116 pursuant to Section 311 of CWA. (NOTE: These substances are listed in Table 2c-4 of the instructions to Form 2C.)

HAZARDOUS WASTE means a hazardous waste as defined in 40 CFR Section 261.3 published May 19, 1980.

HAZARDOUS WASTE MANAGEMENT FACILITY (HWM facility) means all contiguous land, structures, appurtenances, and improvements on the land, used for treating, storing, or disposing of hazardous wastes. A facility may consist of several treatment, storage, or disposal operational units (for example, one or more landfills, surface impoundments, or combinations of them).

IN OPERATION means a facility which is treating, storing, or disposing of hazardous waste.

INCINERATOR (in the RCRA program) means an enclosed device using controlled flame combustion, the primary purpose of which is to thermally break down hazardous waste. Examples of incinerators are rotary kiln, fluidized bed, and liquid injection incinerators.

INDIRECT DISCHARGER means a nondomestic discharger introducing pollutants to a publicly owned treatment works.

INJECTION WELL means a well into which fluids are being injected.

INTERIM AUTHORIZATION means approval by EPA of a State hazardous waste program which has met the requirements of Section 3006(c) of RCRA and applicable requirements of 40 CFR Part 123, Subparts A, B, and F.

LANDFILL means a disposal facility or part of a facility where hazardous waste is placed in or on land and which is not a land treatment facility, a surface impoundment, or an injection well.

LAND TREATMENT FACILITY (in the RCRA program) means a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.

LISTED STATE means a State listed by the Administrator under Section 1422 of SDWA as needing a State UIC program.

MGD means millions of gallons per day.

MUNICIPALITY means a city, village, town, borough, county, parish, district, association, or other public body created by or under State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of CWA.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) means the national program for issuing modifying, revoking and reissuing, terminating, monitoring, and enforcing permits and imposing and enforcing pretreatment requirements, under Sections 307, 318, 402, and 405 of CWA. The term includes an approved program.

NEW DISCHARGER means any building, structure, facility, or installation: (A) From which there is or may be a new or additional discharge of pollutants at a site at which on October 18, 1972, it had never discharged pollutants; (B) Which has never received a finally effective NPDES permit for discharges at that site; and (C) Which is not a "new source." This definition includes an indirect discharger which commences discharging into waters of the United States. It also includes any existing mobile point source, such as an offshore oil drilling rig, seafood processing vessel, or aggregate plant that begins discharging at a location for which it does not have an existing permit.

NEW HWM FACILITY means a Hazardous Waste Management facility which began operation or for which construction commenced after October 21, 1978.

NEW INJECTION WELL means a well which begins injection after a UIC program for the State in which the well is located is approved.

NEW SOURCE (in the NPDES program) means any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

A. After promulgation of standards of performance under Section 306 of CWA which are applicable to such source; or

B. After proposal of standards of performance in accordance with Section 306 of CWA which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal.

NON-CONTACT COOLING WATER means water used to reduce temperature which does not come into direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

OFF-SITE means any site which is not "on-site."

ON-SITE means on the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a cross-roads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Non-contiguous properties owned by the same person, but connected by a right-of-way which the person controls and to which the public does not have access, is also considered on-site property.

OPEN BURNING means the combustion of any material without the following characteristics:

A. Control of combustion air to maintain adequate temperature for efficient combustion;

B. Containment of the combustion-reaction in an enclosed device to provide sufficient residence time and mixing for complete combustion; and

C. Control of emission of the gaseous combustion products.

(See also "incinerator" and "thermal treatment").

OPERATOR means the person responsible for the overall operation of a facility.

OUTFALL means a point source.

OWNER means the person who owns a facility or part of a facility.

## SECTION D - GLOSSARY (continued)

**PERMIT** means an authorization, license, or equivalent control document issued by EPA or an approved State to implement the requirements of 40 CFR Parts 122, 123, and 124.

**PHYSICAL CONSTRUCTION** (in the RCRA program) means excavation, movement of earth, erection of forms or structures, or similar activity to prepare a HWM facility to accept hazardous waste.

**PILE** means any noncontainerized accumulation of solid, nonflowing hazardous waste that is used for treatment or storage.

**POINT SOURCE** means any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture.

**POLLUTANT** means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical waste, biological materials, radioactive materials (except those regulated under the Atomic Energy Act of 1954, as amended [42 U.S.C. Section 2011 et seq.]), heat, wrecked or discarded equipment, rocks, sand, cellar dirt and industrial, municipal, and agriculture waste discharged into water. It does not mean:

A. Sewage from vessels; or

B. Water, gas, or other material which is injected into a well to facilitate production of oil or gas, or water derived in association with oil and gas production and disposed of in a well, if the well used either to facilitate production or for disposal purposes is approved by authority of the State in which the well is located, and if the State determines that the injection or disposal will not result in the degradation of ground or surface water resources.

(NOTE: Radioactive materials covered by the Atomic Energy Act are those encompassed in its definition of source, byproduct, or special nuclear materials. Examples of materials not covered include radium and accelerator produced isotopes. See *Train v. Colorado Public Interest Research Group, Inc.*, 426 U.S. 1 [1976].)

**PREVENTION OF SIGNIFICANT DETERIORATION (PSD)** means the national permitting program under 40 CFR 52.21 to prevent emissions of certain pollutants regulated under the Clean Air Act from significantly deteriorating air quality in attainment areas.

**PRIMARY INDUSTRY CATEGORY** means any industry category listed in the NRDC Settlement Agreement (*Natural Resources Defense Council v. Train*, 8 ERC 2120 [D.D.C. 1976], modified 12 ERC 1833 [D.D.C. 1979]).

**PRIVATELY OWNED TREATMENT WORKS** means any device or system which is: (A) Used to treat wastes from any facility whose operator is not the operator of the treatment works; and (B) Not a POTW.

**PROCESS WASTEWATER** means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product.

**PUBLICLY OWNED TREATMENT WORKS** or POTW means any device or system used in the treatment (including recycling and reclamation) of municipal sewage or industrial wastes of a liquid nature which is owned by a State or municipality. This definition includes any sewers, pipes, or other conveyances only if they convey wastewater to a POTW providing treatment.

**RENT** means use of another's property in return for regular payment.

**RCRA** means the Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976 (Pub. L. 94-580, as amended by Pub. L. 95-609, 42 U.S.C. Section 6901 et seq.).

**ROCK CRUSHING AND GRAVEL WASHING FACILITIES** are facilities which process crushed and broken stone, gravel, and riprap (see 40 CFR Part 436, Subpart B, and the effluent limitations guidelines for these facilities).

**SDWA** means the Safe Drinking Water Act (Pub. L. 95-523, as amended by Pub. L. 95-1900, 42 U.S.C. Section 300(f) et seq.).

**SECONDARY INDUSTRY CATEGORY** means any industry category which is not a primary industry category.

**SEWAGE FROM VESSELS** means human body wastes and the wastes from toilets and other receptacles intended to receive or retain body wastes that are discharged from vessels and regulated under Section 312 of CWA, except that with respect to commercial vessels on the Great Lakes this term includes graywater. For the purposes of this definition, "graywater" means galley, bath, and shower water.

**SEWAGE SLUDGE** means the solids, residues, and precipitate separated from or created in sewage by the unit processes of a POTW. "Sewage" as used in this definition means any wastes, including wastes from humans, households, commercial establishments, industries, and storm water runoff, that are discharged to or otherwise enter a publicly owned treatment works.

**SILVICULTURAL POINT SOURCE** means any discernible, confined, and discrete conveyance related to rock crushing, gravel washing, log sorting, or log storage facilities which are operated in connection with silvicultural activities and from which pollutants are discharged into waters of the United States. This term does not include nonpoint source silvicultural activities such as nursery operations, site preparation, reforestation and subsequent cultural treatment, thinning, prescribed burning, pest and fire control, harvesting operations, surface drainage, or road construction and maintenance from which there is natural runoff. However, some of these activities (such as stream crossing for roads) may involve point source discharges of dredged or fill material which may require a CWA Section 404 permit. "Log sorting and log storage facilities" are facilities whose discharges result from the holding of unprocessed wood, e.g., logs or roundwood with bark or after removal of bark in self-contained bodies of water (mill ponds or log ponds) or stored on land where water is applied intentionally on the logs (wet decking). (See 40 CFR Part 429, Subpart J, and the effluent limitations guidelines for these facilities.)

**STATE** means any of the 50 States, the District of Columbia, Guam, the Commonwealth of Puerto Rico, the Virgin Islands, American Samoa, the Trust Territory of the Pacific Islands (except in the case of RCRA), and the Commonwealth of the Northern Mariana Islands (except in the case of CWA).

**STATIONARY SOURCE** (in the PSD program) means any building, structure, facility, or installation which emits or may emit any air pollutant regulated under the Clean Air Act. "Building, structure, facility, or installation" means any grouping of pollutant-emitting activities which are located on one or more contiguous or adjacent properties and which are owned or operated by the same person (or by persons under common control).

**STORAGE** (in the RCRA program) means the holding of hazardous waste for a temporary period at the end of which the hazardous waste is treated, disposed, or stored elsewhere.

**STORM WATER RUNOFF** means water discharged as a result of rain, snow, or other precipitation.

**SURFACE IMPOUNDMENT** or IMPOUNDMENT means a facility or part of a facility which is a natural topographic depression, manmade excavation, or diked area formed primarily of earthen materials (although it may be lined with manmade materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds, and lagoons.

**TANK** (in the RCRA program) means a stationary device, designed to contain an accumulation of hazardous waste which is constructed primarily of non-earthen materials (e.g., wood, concrete, steel, plastic) which provide structural support.

## SECTION D - GLOSSARY (continued)

**THERMAL TREATMENT** (*in the RCRA program*) means the treatment of hazardous waste in a device which uses elevated temperature as the primary means to change the chemical, physical, or biological character or composition of the hazardous waste. Examples of thermal treatment processes are incineration, molten salt, pyrolysis, calcination, wet air oxidation, and microwave discharge. (See also "incinerator" and "open burning").

**TOTALLY ENCLOSED TREATMENT FACILITY** (*in the RCRA program*) means a facility for the treatment of hazardous waste which is directly connected to an industrial production process and which is constructed and operated in a manner which prevents the release of any hazardous waste or any constituent thereof into the environment during treatment. An example is a pipe in which waste acid is neutralized.

**TOXIC POLLUTANT** means any pollutant listed as toxic under Section 307(a)(1) of CWA.

**TRANSPORTER** (*in the RCRA program*) means a person engaged in the off-site transportation of hazardous waste by air, rail, highway, or water.

**TREATMENT** (*in the RCRA program*) means any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such waste, or so as to recover energy or material resources from the waste, or so as to render such waste non-hazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume.

**UNDERGROUND INJECTION** means well injection.

**UNDERGROUND SOURCE OF DRINKING WATER** or USDW means an aquifer or its portion which is not an exempted aquifer and:

- A. Which supplies drinking water for human consumption; or
- B. In which the ground water contains fewer than 10,000 mg/l total dissolved solids.

**UPSET** means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

**WATERS OF THE UNITED STATES** means:

- A. All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
- B. All interstate waters, including interstate wetlands;
- C. All other waters such as intrastate lakes, rivers, streams (*including intermittent streams*), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, and natural ponds, the use, degradation, or destruction of which would or could affect interstate or foreign commerce including any such waters:
  1. Which are or could be used by interstate or foreign travelers for recreational or other purposes,
  2. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce,
  3. Which are used or could be used for industrial purposes by industries in interstate commerce;
- D. All impoundments of waters otherwise defined as waters of the United States under this definition;
- E. Tributaries of waters identified in paragraphs (A) - (D) above;
- F. The territorial sea; and
- G. Wetlands adjacent to waters (*other than waters that are themselves wetlands*) identified in paragraphs (A) - (F) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet requirement of CWA (*other than cooling ponds as defined in 40 CFR Section 423.11(m)*) which also meet the criteria of this definition) are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (*such as a disposal area in wetlands*) nor resulted from the impoundments of waters of the United States.

**WELL INJECTION** or **UNDERGROUND INJECTION** means the subsurface emplacement of fluids through a bored, drilled, or driven well; or through a dug well, where the depth of the dug well is greater than the largest surface dimension.

**WETLANDS** means those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

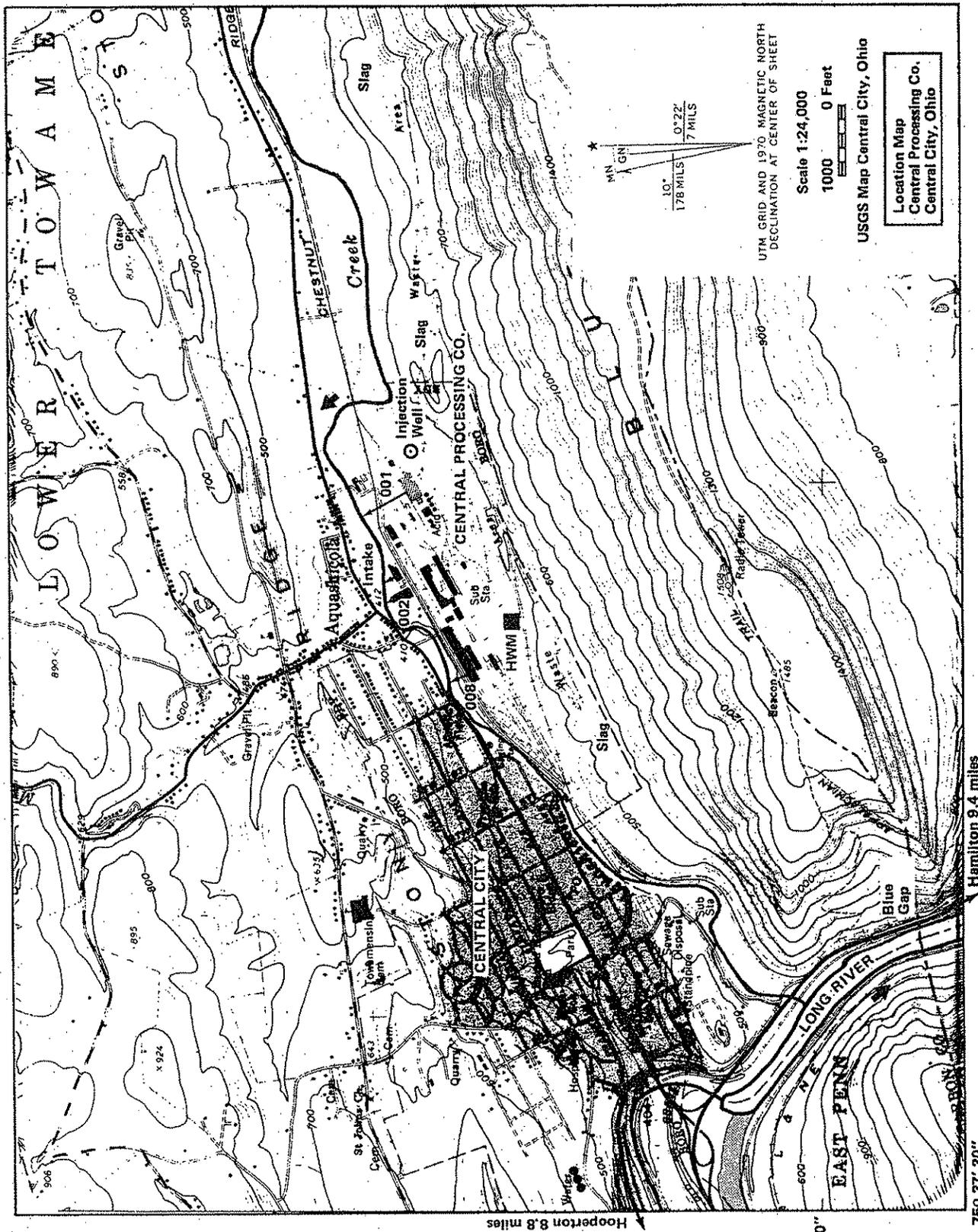


FIGURE 1-1

40° 47' 30"

75° 37' 30"

Hooperon 8.8 miles

Hamilton 9.4 miles



# Instructions for Completing Ohio EPA Form 2A

## Application for a Permit to Discharge Wastewater

### Publicly Owned Treatment Works

#### Overview

This form must be completed by all applicants who check “yes” to Item II-A in Form 1. This application form collects information from operators of publicly owned treatment works (POTWs) that discharge treated effluent to “waters of the State”. In addition to forms 1 and 2A, Form 2S “Ohio EPA Application For Sewage Sludge Use or Disposal” must be submitted by all POTWs.

For purposes of this form, “you” refers to the applicant. “This treatment works”, “your collection system”, and “this treatment plant” refer to the treatment works, collection system and treatment plant for which application information is being submitted. “Treatment works” should be interpreted to include the collection system and the treatment plant. The “entire collection system” refers to all of the collection systems served by the treatment plant.

#### Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions that accompany Form 1.

#### Which Parts of The Form Apply?

Form 2A is presented in a modular format, enabling information collection to be tailored to your treatment works. The form is divided into eight (8) sections. Your application will not be considered complete unless you answer every question on this form and on Form 1. If a particular question does not apply to your treatment works, write “N/A” (meaning “not applicable”) as your answer to that question.

#### Section I: Outfall Information

**A.** List all effluent outfalls, e.g. 001, through which sanitary wastewater is discharged. Provide the outfall number (if known), latitude and longitude, discharge point location, and receiving water for each effluent outfall. Indicate how latitude and longitude data was obtained (e.g. USGS map, GPS). Do not include information on combined sewer overflows (CSO) or collection system/treatment works bypass points in this section.

**B.** Indicate whether this outfall is an intermittent or seasonal discharge. Discharges from holding ponds, lagoons, etc., may be included as intermittent or seasonal. Do not include discharges from bypass points or combined sewer overflows in your answer. List each month when discharge occurs. List the number of times per year a discharge occurs from this outfall. In addition, note the duration and quantity (in million gallons per day, MGD) of each discharge. If you do not have records of exact months in which such discharges occurred, provide an estimate based on the best available information.

#### Section II: Treatment Works Information

##### A. Population

For all the cities, towns, and unincorporated areas served by the treatment works, enter the number of people served by the treatment plant at the time you complete this form. If you do not know the population of each area, then only provide the total population served by this treatment works. If another collection system discharges into your plant, give the name of that collection system and the population it serves.

##### B. Collection System

**B.1.** Indicate what type of collection system conveys wastewater to your treatment plant. If you check both of the collection systems indicated on the form, you must also provide an estimate of the percentage (in terms of miles of pipe) of the entire collection system each type represents.

- “Separate sanitary sewer” means a system of pipes that only carries:
  - (1) Domestic wastewater from connections to houses, hotels, nonindustrial office buildings, institutions, or sanitary waste from industrial facilities.
  - (2) Industrial wastewater received through connections to industrial plants or facilities. This consists of water that is used in the manufacturing processes conducted at the facility.
- “Combined storm and sanitary sewer” means a system of pipes that carries a mixture of storm water runoff and

sanitary wastewater.

**B.2.** Mark yes if the treatment plant superintendent is also responsible for the entire collection system. Mark no if the collection system is maintained by a separate department under a different superintendent or the treatment plant receives wastewater from more than one collection system. List the name, address, and telephone number of the person in charge of each collection system.

**B.3.** Enter the total number of lift stations in the separate system and/or the combined storm and sanitary system.

**B.4.** If your collection system has bypasses or overflows, indicate whether the discharges are:

- at a location specifically constructed to provide hydraulic relief to the collection system, and/or
- unintentional and beyond the reasonable control of the operator

For the bypasses and overflows that are “specifically constructed”, provide the discharge point location, latitude and longitude, receiving water, and type of treatment (settling, swirl concentrator, none, etc.) the wastewater receives before discharging.

A “bypass” is the intentional diversion of wastewater (e.g., through an arrangement of pipes, conduits, gates, and/or valves) from any portion of the treatment works to a discharge point before that wastewater is fully treated. An “overflow” is the unintentional diversion of wastewater from any portion of your treatment works not authorized by your NPDES permit. Bypasses and overflows are prohibited unless the criteria in 40 CFR 122.41 (m) are satisfied.

**B.5.** List potable water source type (surface water, ground water) for all sources used by the population tributary to the entire collection system. Provide the location and owner of the water supply source(s).

### **C. Inflow and Infiltration**

Estimate, in gallons per day (gpd), the average amount of water that enters the treatment works through inflow and infiltration. Also explain any actions being taken to correct or decrease inflow and infiltration.

- “Inflow” generally refers to storm water that enters the sewer system through direct connections (e.g. unsealed manhole covers, foundation drains, roof leaders, cellar drains, yard drains, or catch basins).
- “Infiltration” refers to extraneous water that enters the sewer system from the ground. Ground water enters the sewer system through defective pipes, pipe joints, connections, or manhole walls.

### **D. Flow**

**D.1.** Provide the treatment plant's current design daily influent flow rate. “Design daily influent flow rate” means the average amount of wastewater flow your plant was designed to receive on a daily basis. Enter the flow number in million gallons per day (MGD). Treatment works with a design flow less than 5 MGD must provide the design influent flow rate to three decimal places. Treatment works that are greater than or equal to 5 MGD must report this to 1 decimal place.

**D.2.** Enter the annual average daily flow rate, in MGD, that your plant actually treated this year and each of the past two years. Each year's data must be based on a 12-month time period, with the 12th month of “this year” occurring no more than three months prior to this application submittal.

**D.3.** Indicate the type of flow monitoring device utilized at the treatment plant.

**D.4.** Provide the location, e.g. influent, effluent, etc. where the flow rate is recorded.

**D.5.** Provide information on any expansion to your treatment works currently planned. Include only those improvements that will effect wastewater treatment, effluent quality, or design capacity.

### **E. Treatment system Description**

**E.1. and E.2.** Provide the approximate year that the treatment plant was constructed. Note the date of the last major modification to the treatment plant. A major modification is considered any construction activity requiring a Permit to Install (PTI).

**E.3.** List all treatment units used at the treatment plant. Treatment units should be listed, in order, by selecting the applicable code from Table 2A-1. Use “other” if no treatment code corresponds to a treatment unit you list. Provide the manufacturer's name for each treatment unit. Do not include units for treating sewage sludge.

**E.4.** If the treatment plant has provisions for the bypassing of untreated or partially treated wastewater, provide the bypass location, station number (if applicable), bypass type (internal or external), and number of times it was used in the last year. Provide information on both wet weather and dry weather bypasses.

**E.5.** Provide information regarding the presence and use of backup generators or other emergency standby power sources at your plant.

**E.6.** Attach a line drawing, simple flow diagram, or narrative description to this form that shows how wastewater flows through the treatment plant. Label all discharge points with their station numbers.

## **F. Treatment Operation**

**F.1.** List the number of employees that work in your collection system and the number of employees that work at the treatment plant (operators, maintenance, etc.). Do not list employees twice. Record the employee in the area where most time is spent.

**F.2.** Provide the name and certification level for the person in responsible charge of the treatment plant.

**F.3.** Provide the name and certification level, if known, for the person in responsible charge of each collection system in the treatment works.

**F.4.** If the treatment works has an operation and maintenance manual, indicate who developed it, the date developed and its last modification.

## **G. Improvements**

If you are required by any Federal, State or Local authority to meet any implementation schedule for the construction, upgrading or operation of the wastewater treatment equipment, identify the condition, affected outfall, description of project and final compliance date.

## **Section III: Combined Sewers System Information**

**A.** If the treatment works has a combined sewer system, provide the outfall number, outfall description, latitude, longitude, and outfall receiving water for all combined sewer overflows. Indicate how latitude and longitude data was obtained (e.g. USGS map, GPS).

### **B. System Evaluation**

List any studies that have been performed on the combined sewer system since the last permit application, including inflow/infiltration studies, engineering studies, hydraulic studies, water quality studies, etc..

## **Section IV: Industrial Users Information**

All treatment works receiving discharges from industrial users must complete Section IV.

A “categorical industrial user” is an industrial user that is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N, which are technology-based standards developed by EPA setting industry-specific effluent limits. (A list of Industrial Categories subject to Categorical Pretreatment Standards is included in Appendix A.)

A “significant industrial user” is defined in 40 CFR 403.3(t) as an industrial user that:

- is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and
- is any other industrial user that: discharges an average of 25,000 gallons per day or more of process wastewater to the treatment works (excluding sanitary, non-contact cooling and boiler blowdown wastewater); contributes a process waste stream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the treatment works; or is designated as such by the Control Authority as defined in 40 CFR 403.12(a) on the basis that the industrial user has a reasonable potential for adversely affecting the treatment works operation or for violating any pretreatment standard or requirement [in accordance with 40 CFR 403.8(f)(6)].

An “industrial user” means any industrial or commercial entity that discharges wastewater that is not domestic wastewater. Domestic wastewater includes wastewater from connections to houses, hotels, nonindustrial office buildings, institutions, or sanitary waste from industrial facilities. The number of “industrial users” is the total number of industrial and commercial users that discharge to the treatment works. For the purposes of completing the application form, please provide information on non-categorical SIUs and categorical industrial users separately.

### **A. Number of Industrial Users**

Provide the number of industrial users, SIUs, and categorical industrial users that discharge to your treatment works.

### **B. Average Daily Flow From Industrial Users**

Provide an estimate of the daily flow of wastewater, in MGD, received from all industrial users, significant industrial users only, and categorical industrial users only.

### **C. Pretreatment Program**

Indicate whether the treatment works has an approved pretreatment program. An “approved pretreatment program” is a program administered by a treatment works that meets the criteria established in 40 CFR 403.8 and 403.9 and that has been approved by Ohio EPA. If the treatment works does not have an approved pretreatment program, note if technically-based local limits are applied.

## Section V: Remediation Waste Clean Up Information

Indicate whether the treatment works receives RCRA Waste, RCRA Corrective Action Waste, or other waste from remediation clean-up sites (CERCLA, BUSTR, VAP). Provide type of waste action, waste origin and a description of the waste.

## Section VI: Laboratory Contractor Information

Indicate whether any of the laboratory analytical results reported for the effluent quality or toxicity test data are performed by a contract laboratory or consulting firm. Provide the name, telephone number, complete mailing address, and pollutants analyzed for each contract laboratory.

## Section VII: Biological Toxicity Test Data

Treatment works meeting one or more of the following criteria must submit the results of whole effluent toxicity testing:

- Treatment works with a design influent flow rate greater than or equal to 1 MGD; or
- Treatment works with an approved pretreatment program (as well as those required to have one); or
- Treatment works otherwise required by the permitting authority to submit the results of whole effluent toxicity testing.

Applicants completing this section must submit the results from a whole effluent toxicity test conducted during the past three years for each outfall discharging effluent to the waters of the state and must follow Ohio EPA testing protocol. An explanation must be provided if data is not submitted with this form.

### Minimum Requirements for Toxicity Tests

- (1) A 48 hour screening test for acute toxicity in 100 percent effluent using two test organisms, *Ceriodaphnia dubia* and Fathead Minnows (*Pimephales promelas*), will be the minimum requirement for whole effluent toxicity testing for NPDES permit applications.
- (2) If the results of the screening test show greater than 50 percent mortality for either test organism in 100 percent effluent, an additional definitive acute toxicity test using the same two test organisms shall be conducted to determine the LC50 of the effluent.
- (3) At the permittee's option, the screening test may be omitted and a definitive test used to fulfill the application requirement, providing the two test

organisms are used.

- (4) Chronic toxicity testing will be required under the following conditions:
  - (a) If review of the acute toxicity data submitted with the application indicates that there may be a need for chronic toxicity data, Ohio EPA will request that chronic toxicity data be submitted prior to the public notice of a draft permit.
  - (b) If Ohio EPA notifies the permittee in writing prior to submittal of the application that chronic toxicity data is necessary to fulfill the application requirement.
- (5) At the permittee's option, the results of toxicity tests conducted by Ohio EPA may be submitted to fulfill the application requirements as long as the tests were conducted during the past three years and meet the minimum requirements listed above.

## Section VIII: Certification

Note: All permit applications must be signed and certified in accordance with 40 CFR Part 122.22 and Ohio Administrative Code, Chapter 3745-33-03.

An application submitted by a municipality, State, Federal, or other public agency must be signed by either a principal executive officer or ranking elected official. A principal executive officer of a Federal agency includes: (1) The chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

## **Appendix A: Industrial Categories Subject to National Categorical Pretreatment Standards**

### ***Industrial Categories With Pretreatment Standards in Effect:***

Aluminum Forming  
Asbestos Manufacturing  
Battery Manufacturing  
Builder's Paper and Board Mills  
Carbon Black Manufacturing  
Coil Coating  
Copper Forming  
Electrical and Electronic Components  
Electroplating  
Feedlots  
Ferroalloy Manufacturing  
Fertilizer Manufacturing  
Glass Manufacturing  
Grain Mills Manufacturing  
Ink Formulating  
Inorganic Chemicals  
Iron and Steel Manufacturing  
Leather Tanning and Finishing  
Metal Finishing  
Metal Molding and Casting  
Nonferrous Metals Forming and Metal Powders  
Nonferrous Metals Manufacturing  
Organic Chemicals, Plastics and Synthetic Fibers  
Paint Formulating  
Paving and Roofing  
Pesticide Manufacturing  
Petroleum Refining  
Pharmaceutical Manufacturing  
Porcelain Enameling  
Pulp, Paper and Paperboard  
Rubber Manufacturing  
Soap and Detergents Manufacturing  
Steam Electric Power Generating  
Sugar Processing  
Timber Products Manufacturing

### ***Industrial Categories With Effluent Guidelines Currently Under Development (Proposed and Final Action Dates)***

Pulp, Paper, and Paperboard (12/17/93-TBD)  
Pesticide Formulating, Packaging, and Repackaging (4/14/94-8/95)  
Centralized Waste Treatment (12/15/94-9/96)  
Pharmaceutical Manufacturing (2/95-8/96)  
Metal Products and Machinery, Phase I (3/95-9/96)  
Industrial Laundries (12/96-12/98)  
Transportation Equipment Cleaning (12/96-12/98)  
Landfills and Incinerators (3/97-3/99)  
Metal Products and Machinery, Phase II (12/97-12/99)

<b>Table 2A-1 Treatment Handling Codes</b>		
<b><i>Preliminary or Primary Treatment</i></b>	Influent Pumping	01
	Bar Screen	02
	Grit Removal	03
	Comminution	04
	Scum Removal	05
	Flow Equalization	06
	Primary sedimentation	08
	Imhoff Tank	09
	Preaeration	07
	Other Preliminary or Primary Treatment	10
<b><i>Biological Treatment</i></b>	Stabilization Pond	11
	Aerated Lagoon	12
	Total Containment Pond	13
	Aquiculture/Wetland/Marsh System	14
	Trickling Filter - Rock Media	15
	Trickling Filter - Plastic Media	16
	Trickling Filter - Redwood Slats	17
	Trickling Filter - Other Media	18
	Rotating Biological Contractor (RBC)	20
	Sequencing Batch Reactor	D7
	Activated Sludge - Conventional	22
	Activated Sludge - High Rate	23
	Activated Sludge - Contact Stabilization	24
	Activated Sludge - Pure Oxygen	26
	Activated Sludge - Other Mode	27
	Activated Sludge - Extended Aeration	25
	Oxygen Ditch	28
	Biological Nitrification - Separate Stage	29
	Combined Biological Nitrification and BOD	30
	Biological Denitrification	31
	Biological Phosphorus Removal	32
	Activated Bio-Filter (ABF)	19
	Other Attached Growth Process	21
	Other Suspended Growth Process	33
	Overland Flow System	34
	Rapid Infiltration System	35
	Slow Rate System	36
Other Land Treatment System	37	
<b><i>Physical/Chemical Treatment</i></b>	Microstrainer - Primary	40
	Microstrainer - Secondary	41
	Sand Filter	42
	Mixed Media Filter	43
	Pressure Filter	44

**Table 2A-1 Treatment Handling Codes**

	Rock Filter	45
	Other Filtration	46
	Activated Carbon - Granular	47
	Activated Carbon - Powdered	48
	Carbon Regeneration	49
	Recarbonation	55
	Single Stage Primary Lime Treatment	50
	Single Stage Tertiary Lime Treatment	51
	Two Stage Primary Lime Treatment	52
	Two Stage Tertiary Lime Treatment	53
	Recalcination	54
	Alum Addition -Primary	57
	Alum Addition - Secondary	58
	Alum Addition - Tertiary	59
	Ferric-Chloride Addition - Primary	60
	Ferric-Chloride Addition - Secondary	61
	Ferric-Chloride Addition - Tertiary	62
	Polymer Addition	63
	Other Chemical Addition	64
	Post Aeration	71
	Clarification Using Tube Settlers	38
	Secondary Clarification	39
	Neutralization	56
	Ion Exchange	65
	Breakpoint Chlorination	66
	Ammonia Stripping	67
	Electrodialysis	68
	Reverse Osmosis	69
	Other Physical/Chemical	74
	Dechlorination	70
	Chlorination	71
	Ozonation	76
	Ultraviolet	77
	Other Disinfection	78
<b>Miscellaneous</b>	Septic Tank	79
	Leach Field	80
	Mound System	81
	Sand Filter	84
	Evaportranspiration Field	82
	Other Treatment	87
	Outfall Pumping	72
	Outfall Diffuser	73
	Package Plant	D4

**INSTRUCTIONS**

<p><b>GENERAL</b></p> <p><b>This form must be completed by all applicants who check "yes" to Item II-B in Form 1.</b> Not all animal feeding operations or fish farms are required to obtain NPDES permits. Exclusions are based on size and whether or not the facility discharges proposed to discharge. See the description of these exclusions in the CAFO regulations at 40 CFR 122.23.</p> <p>For aquatic animal production facilities, the size cutoffs are based on whether the species are warm water or cold water, on the production weight per year in harvestable pounds, and on the amount of feeding in pounds of food (<i>for cold water species</i>). Also, facilities which discharge less than 30 days per year, or only during periods of excess runoff (<i>for warm water fish</i>) are not required to have a permit.</p> <p>Refer to the Form 1 instructions to determine where to file this form.</p> <p><b>Item I-A</b> See the note above to be sure that your facility is a "concentrated animal feeding operation" (CAFO).</p> <p><b>Item I-B</b> Use this space to give owner/operator contact information.</p> <p><b>Item I-C</b> Check "proposed" if your facility is not now in operation or is expanding to meet the definition of a CAFO in accordance with the CAFO regulations at 40 CFR 122.23.</p> <p><b>Item I-D</b> Use this space to give a complete legal description of your facility's location including name, address, and latitude/longitude. Also, if a contract grower, the name and address of the integrator.</p> <p><b>Item II</b> Supply all information in item II if you checked (1) in item I-A.</p> <p><b>Item II-A</b> Give the maximum number of each type of animal in open confinement or housed under roof (either partially or totally) which are held at your facility for a total of 45 days or more in any 12 month period. Provide the total number of animals confined at the facility.</p> <p><b>Item II-B</b> Provide the total amount of manure, litter, and wastewater generated annually by the facility. Identify if manure, litter, and wastewater generated by the facility is to be land applied and the number of acres, under the control of the CAFO operator, suitable for land application. If the answer to question 3 is yes, provide the estimated annual quantity of manure, litter, and wastewater that the applicant plans to transfer off-site.</p> <p><b>Item II-C</b> Check this box if you have submitted a topographic map of the entire operation, including the production area and land under the operational control of the CAFO operator where manure, litter, and/or wastewater are applied with Form 1.</p>	<p><b>Item II-D</b></p> <ol style="list-style-type: none"> <li>1. Provide information on the type of containment and the capacity of the containment structure (s).</li> <li>2. The number of acres that are drained and collected in the containment structure (s).</li> <li>3. Identify the type of storage for the manure, litter, and/or wastewater. Give the capacity of this storage in days.</li> </ol> <p><b>Item II-E</b> Provide information concerning the status of submitting a nutrient management plan for the facility to complete the application. In those cases where the nutrient management plan has not been submitted, provide an explanation. If not land applying, describe the alternative uses of the manure, litter, and wastewater (e.g., composting, pelletizing, energy generation, etc.).</p> <p><b>Item II-F</b> Check any of the identified conservation practices that are being implemented at the facility to control runoff and protect water quality.</p> <p><b>Item III</b> Supply all information in Item III if you checked (2) in Item I-A.</p> <p><b>Item III-A</b> Outfalls should be numbered to correspond with the map submitted in Item XI of Form 1. Values given for flow should be representative of your normal operation. The maximum daily flow is the maximum measured flow occurring over a calendar day. The maximum 30-day flow is the average of measured daily flow over the calendar month of highest flow. The long-term average flow is the average of measure daily flows over a calendar year.</p> <p><b>Item III-B</b> Give the total number of discrete ponds or raceways in your facility. Under "other," give a descriptive name of any structure which is not a pond or a raceway but which results in discharge to waters of the United States.</p> <p><b>Item III-C</b> Use names for receiving water and source of water which correspond to the map submitted in Item XI of Form 1.</p> <p><b>Item III-D</b> The names of fish species should be proper, common, or scientific names as given in special Publication No. 6 of the American Fisheries Society. "A List of Common and Scientific Names of Fishes from the United States and Canada." The values given for total weight produced by your facility per year and the maximum weight present at any one time should be representative of your normal operation.</p> <p><b>Item III-E</b> The value given for maximum monthly pounds of food should be representative of your normal operation.</p> <p><b>Item IV</b> The Clean Water Act provides for severe penalties for submitting false information on this application form.</p> <p>Section 309(C)(2) of the Clean Water Act provides that "Any person who knowingly makes any false statement, representation, or certification in any application...shall upon conviction, be punished by a fine of no more than \$10,000 or by imprisonment for not more than six months, or both."</p>
<p><b>Federal regulations require the certification to be signed as follows:</b></p> <ol style="list-style-type: none"> <li>A. For corporation, by a principal executive officer of at least the level of vice president.</li> <li>B. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or</li> <li>C. For a municipality, State, federal, or other public facility, by either a principal executive officer or ranking elected official.</li> </ol>	<p><b>Paper Reduction Act Notice</b></p> <p><b>The public reporting and recordkeeping burden for this collection of information is estimated to average 9.5 hours per response. The public reporting and recordkeeping burden for development of the nutrient management plan to be submitted with the form is estimated to average 58 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.</b></p>

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Permits Division

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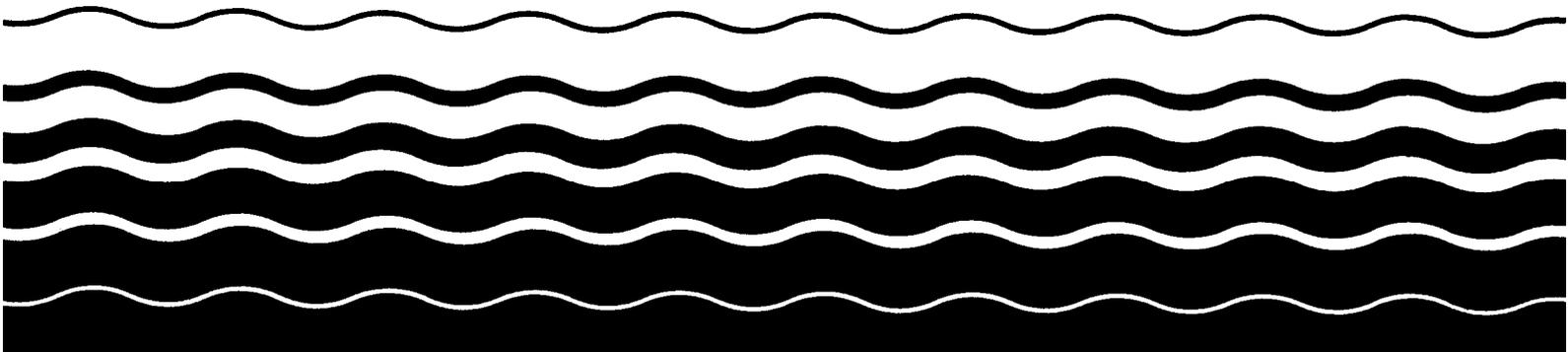
# Application Form 2C – Wastewater Discharge Information

## Consolidated Permits Program

This form must be completed by all persons applying for an EPA permit to discharge wastewater (*existing manufacturing, commercial, mining, and silvicultural operations*).



Printed on recycled paper



### **Paperwork Reduction Act Notice**

The public reporting burden for this collection of information is estimated to average 33 hours per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, Information Policy Branch (PM-223), US Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked **Attention:** Desk Officer for EPA.

**INSTRUCTIONS – FORM 2c**  
**Application for Permit to Discharge Wastewater**  
**EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS**

This form must be completed by all applicants who check “yes” to item II-C in Form 1.

**Public Availability of Submitted Information.**

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter “NA” (*for not applicable*) to show that you considered the question.

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. This information will be made available to the public upon request.

Any information you submit to EPA which goes beyond that required by this form or Form 1 you may claim as confidential, but claims for information which is effluent data will be denied. If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice to you. Claims of confidentiality will be handled in accordance with EPA’s business confidentiality regulations at 40 CFR Part 2.

**Definitions**

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

**EPA ID Number**

Fill in your EPA Identification Number at the top of each page of Form 2c. You may copy this number directly from item I of Form 1.

**Item I**

You may use the map you provided for item XI of Form 1 to determine the latitude and longitude of each of your outfalls and the name of the receiving water.

**Item II-A**

The line drawing should show generally the route taken by water in your facility from intake to discharge. Show all operations contributing wastewater, including process and production areas, sanitary flows, cooling water, and stormwater runoff. You may group similar operations into a single unit, labeled to correspond to the more detailed listing in item II-B. The water balance should show average flows. Show all significant losses of water to products, atmosphere, and discharge. You should use actual measurements whenever available; otherwise use your best estimate. An example of an acceptable line drawing appears in Figure 2c-1 to these instructions.

**Item II-B**

List all sources of wastewater to each outfall. Operations may be described in general terms (*for example, “dye-making reactor” or “distillation tower”*). You may estimate the flow contributed by each source if no data are available. For stormwater discharges you may estimate the average flow, but you must indicate the rainfall event upon which the estimate is based and the method of estimation. For each treatment unit, indicate its size, flow rate, and retention time, and describe the ultimate disposal of any solid or liquid wastes not discharged. Treatment units should be listed in order and you should select the proper code from Table 2c-1 to fill in column 3-b for each treatment unit. Insert “XX” into column 3-b if no code corresponds to a treatment unit you list. If you are applying for a permit for a privately owned treatment works, you must also identify all of your contributors in an attached listing.

**Item II-C**

A discharge is intermittent unless it occurs without interruption during the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities. A discharge is seasonal if it occurs only during certain parts of the year. Fill in every applicable column in this item for each source of intermittent or seasonal discharges. Base your answers on actual data whenever available; otherwise, provide your best estimate. Report the highest daily value for flow rate and total volume in the

“Maximum Daily” columns (*columns 4-a-2 and 4-b-2*). Report the average of all daily values measured during days when discharge occurred within the last year in the “Long Term Average” columns (*columns 4-a-1 and 4-b-1*).

**Item III-A**

All effluent guidelines promulgated by EPA appear in the Federal Register and are published annually in 40 CFR Subchapter N. A guideline applies to you if you have any operations contributing process wastewater in any subcategory covered by a BPT, BCT, or BAT guideline. If you are unsure whether you are covered by a promulgated effluent guideline, check with your EPA Regional office (*Table 1 in the Form 1 instructions*). You must check “yes” if an applicable effluent guideline has been promulgated, even if the guideline limitations are being contested in court. If you believe that a promulgated effluent guideline has been remanded for reconsideration by a court and does not apply to your operations, you may check “no.”

**Item III-B**

An effluent guideline is expressed in terms of production (*or other measure of operation*) if the limitation is expressed as mass of pollutant per operational parameter; for example, “pounds of BOD per cubic foot of logs from which bark is removed,” or “pounds of TSS per megawatt hour of electrical energy consumed by smelting furnace.” An example of a guideline not expressed in terms of a measure of operation is one which limits the concentration of pollutants.

**Item III-C**

This item must be completed only if you checked “yes” to item III-B. The production information requested here is necessary to apply effluent guidelines to your facility and you cannot claim it as confidential. However, you do not have to indicate how the reported information was calculated. Report quantities in the units of measurement used in the applicable effluent guideline. The production figures provided must be based on actual daily production and not on design capacity or on predictions of future operations. To obtain alternate limits under 40 CFR 122.45(b)(2)(ii), you must define your maximum production capability and demonstrate to the Director that your actual production is substantially below maximum production capability and that there is a reasonable potential for an increase above actual production during the duration of the permit.

**Item IV-A**

If you check “yes” to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to EPA containing same information.

**Item IV-B**

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

**Item V-A, B, C, and D**

The items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

**General Instructions**

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants, you may be required to mark “X” in the “Testing Required” column (*column 2-a, Part C*), and test (*sample and analyze*) and report the levels of the pollutants in your discharge whether or not you expect them to be present in your discharge. For all others, you must mark “X” in either the “Believe Present” column or the “Believe Absent” column (*columns 2-a or 2-b, Part B, and columns 2-b or 2-c, Part C*) based on your best estimate, and test for those which you believe to be present. (*See specific instructions on the form and below for Parts A through D.*) Base your determination that a pollutant is present in or absent from your discharge on your

**Item V-A, B, C, and D (continued)**

knowledge of your raw materials, maintenance chemicals, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent. (For example, if you manufacture pesticides, you should expect those pesticides to be present in contaminated stormwater runoff.) If you would expect a pollutant to be present solely as a result of its presence in your intake water, you must mark "Believe Present" but you are not required to analyze for that pollutant. Instead, mark an 'X' in the "Intake" column.

**A. Reporting.** All levels must be reported as concentration and as total mass. You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages V-1 to V-9 if the separate sheets contain all the required information in a format which is consistent with pages V-1 to V-9 in spacing and in identification of pollutants and columns. (For example, the data system used in your GC/MS analysis may be able to print data in the proper format.) Use the following abbreviations in the columns headed "Units" (column 3, Part A, and column 4, Parts B and C).

Concentration	Mass
ppm.....parts per million	lbs.....pounds
mg/l ...milligrams per liter	ton.....tons (English tons)
ppb.....parts per billion	mg.....milligrams
ug/l ...micrograms per liter	g.....grams
	kg.....kilograms
	T.....tonnes (metric tons)

All reporting of values for metals must be in terms of "total recoverable metal," unless:

- (1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or
- (2) All approved analytical methods for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or
- (3) The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provisions of the CWA.

If you measure only one daily value, complete only the "Maximum Daily Values" columns and insert '1' into the "Number of Analyses" column (columns 2-a and 2-d, Part A, and column 3-a, 3-d, Parts B and C). The permitting authority may require you to conduct additional analyses to further characterize your discharges. For composite samples, the daily value is the total mass or average concentration found in a composite sample taken over the operating hours of the facility during a 24-hour period; for grab samples, the daily value is the arithmetic or flow-weighted total mass or average concentration found in a series of at least four grab samples taken over the operating hours of the facility during a 24-hour period.

If you measure more than one daily value for a pollutant and those values are representative of your wastestream, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the "Long Term Average Values" columns (column 2-c, Part A, and column 3-c, Parts B and C), and the total number of daily values under the "Number of Analyses" columns (column 2-d, Part A, and columns 3-d, Parts B and C). Also, determine the average of all daily values taken during each calendar month, and report the highest average under the "Maximum 30-day Values" columns (column 2-c, Part A, and column 3-b, Parts B and C).

**B. Sampling:** The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater. You may contact your EPA or State permitting authority for detailed guidance on sampling techniques and for answers to specific questions. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding

times, the collection of duplicate samples, etc. The time when you sample should be representative of your normal operation, to the extent feasible, with all processes which contribute wastewater in normal operation, and with your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples must be used. For all other pollutants 24-hour composite samples must be used. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours. For stormwater discharges a minimum of one to four grab samples may be taken, depending on the duration of the discharge. One grab must be taken in the first hour (or less) of discharge, with one additional grab (up to a minimum of four) taken in each succeeding hour of discharge for discharges lasting four or more hours. The Director may waive composite sampling for any outfall for which you demonstrate that use of an automatic sampler is infeasible and that a minimum of four grab samples will be representative of your discharge.

Grab and composite samples are defined as follows:

**Grab sample:** An individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

**Composite sample:** A combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24 hour period. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. For GC/MS Volatile Organic Analysis (VOA), aliquots must be combined in the laboratory immediately before analysis. Four (4) (rather than eight) aliquots or grab samples should be collected for VOA. These four samples should be collected during actual hours of discharge over a 24-hour period and need not be flow proportioned. Only one analysis is required.

The Agency is currently reviewing sampling requirements in light of recent research on testing methods. Upon completion of its review, the Agency plans to propose changes to the sampling requirements.

Data from samples taken in the past may be used, provided that:

- All data requirements are met;
- Sampling was done no more than three years before submission; and
- All data are representative of the present discharge.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in wastewater treatment. When the Agency promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. Of course, the Director may request additional information, including current quantitative data, if she or he determines it to be necessary to assess your discharges.

**C. Analysis:** You must use test methods promulgated in 40 CFR Part 136; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyse only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the

**Item V-A, B, C, and D (continued)**

permitting authority, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

**D. Reporting of Intake Data:** You are not required to report data under the "Intake" columns unless you wish to demonstrate your eligibility for a "net" effluent limitation for one or more pollutants, that is, an effluent limitation adjusted by subtracting the average level of the pollutant(s) present in your intake water. NPDES regulations allow net limitations only in certain circumstances. To demonstrate your eligibility, under the "Intake" columns report the average of the results of analyses on your intake water (*if your water is treated before use, test the water after it is treated*), and discuss the requirements for a net limitation with your permitting authority.

**Part V-A**

Part V-A must be completed by all applicants for all outfalls, including outfalls containing only noncontact cooling water or storm runoff. However, at your request, the Director may waive the requirement to test for one or more of these pollutants, upon a determination that available information is adequate to support issuance of the permit with less stringent reporting requirements for these pollutants. You also may request a waiver for one or more of these pollutants for your category or subcategory from the Director, Office of Water Enforcement and Permits. See discussion in General Instructions to item V for definitions of the columns in Part A. The "Long Term Average Values" column (*column 2-c*) and "Maximum 30-day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

Use composite samples for all pollutants in this Part, except use grab samples for pH and temperature. See discussion in General Instructions to Item V for definitions of the columns in Part A. The "Long Term Average Values" column (*column 2-c*) and "Maximum 30-Day Values" column (*column 2-b*) are not compulsory but should be filled out if data are available.

**Part V-B**

Part V-B must be completed by all applicants for all outfalls, including outfalls containing only noncontact cooling water or storm runoff. You must report quantitative data if the pollutant(s) in question is limited in an effluent limitations guideline either directly, or indirectly but expressly through limitation on an indicator (*e.g., use of TSS as an indicator to control the discharge of iron and aluminum*). For other discharged pollutants you must provide quantitative data or explain their presence in your discharge. EPA will consider requests to the Director of the Office of Water Enforcement and Permits to eliminate the requirement to test for pollutants for an industrial category or subcategory. Your request must be supported by data representative of the industrial category or subcategory in question. The data must demonstrate that individual testing for each applicant is unnecessary, because the facilities in the category or subcategory discharge substantially identical levels of the pollutant or discharge the pollutant uniformly at sufficiently low levels. Use composite samples for all pollutants you analyze for in this part, except use grab samples for residual chlorine, oil and grease, and fecal coliform. The "Long Term Average Values" column (*column 3-c*) and "Maximum 30-day Values" column (*column 3-b*) are not compulsory but should be filled out if data are available.

**Part V-C**

Table 2c-2 lists the 34 "primary" industry categories in the lefthand column. For each outfall, if any of your processes which contribute wastewater falls into one of those categories, you must mark "X" in "Testing Required" column (*column 2-a*) and test for (1) all of the toxic metals, cyanide, and total phenols, and (2) the organic toxic pollutants contained in Table 2c-2 as applicable to your category, unless you qualify as a small business (*see below*). The organic toxic pollutants are listed by GC/MS fractions on pages V-4 to V-9 in Part V-C. For example, the Organic Chemicals Industry has an asterisk in all four fractions; therefore, applicants in this category must test for all organic toxic pollutants in Part V-C. The inclusion of total phenols in Part V-C is not intended to classify total phenols as a toxic pollutant. If you are applying for a permit for a privately owned

treatment works, determine your testing requirements on the basis of the industry categories of your contributors. When you determine which industry category you are in to find your testing requirements, you are not determining your category for any other purpose and you are not giving up your right to challenge your inclusion in that category (*for example, for deciding whether an effluent guideline is applicable*) before your permit is issued. For all other cases (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), you must mark "X" in either the "Believed Present" column (*column 2-b*) or the "Believed Absent" column (*column 2-c*) for each pollutant. For every pollutant you know or have reason to believe is present in your discharge in concentrations of 10 ppb or greater, you must report quantitative data. For acrolein, acrylonitrile, 2, 4 dinitrophenol, and 2-methyl-4, 6 dinitrophenol, where you expect these four pollutants to be discharged in concentrations of 100 ppb or greater, you must report quantitative data. For every pollutant expected to be discharged in concentrations less than the thresholds specified above, you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged. At your request the Director, Office of Water Enforcement and Permits, may waive the requirement to test for pollutants for an industrial category or subcategory. Your request must be supported by data representatives of the industrial category or subcategory in question. The data must demonstrate that individual testing for each applicant is unnecessary, because the facilities in question discharge substantially identical levels of the pollutant, or discharge the pollutant uniformly at sufficiently low levels. If you qualify as a small business (*see below*) you are exempt from testing for the organic toxic pollutants, listed on pages V-4 to V-9 in Part C. For pollutants in intake water, see discussion in General Instructions to this item. The "Long Term Average Values" column (*column 3-c*) and "Maximum 30-day Values" column (*column 3-b*) are not compulsory but should be filled out if data are available. You are required to mark "Testing Required" for dioxin if you use or manufacture one of the following compounds:

- (a) 2,4,5-trichlorophenoxy acetic acid, (2,4,5-T);
- (b) 2-(2,4,5-trichlorophenoxy) propanoic acid, (Silvex, 2,4,5-TP)
- (c) 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate, (Erbon);
- (d) 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate, (Ronnel);
- (e) 2,4,5-trichlorophenol, (TCP); or
- (f) hexachlorophene, (HCP).

If you mark "Testing Required" or "Believed Present," you must perform a screening analysis for dioxins, using gas chromatography with an electron capture detector. A TCDD standard for quantitation is not required. Describe the results of this analysis in the space provided; for example, "no measurable baseline deflection at the retention time of TCDD" or "a measurable peak within the tolerances of the retention time of TCDD." The permitting authority may require you to perform a quantitative analysis if you report a positive result. The Effluent Guidelines Division of EPA has collected and analyzed samples from some plants for the pollutants listed in Part C in the course of its BAT guidelines development program. If your effluents are sampled and analyzed as part of this program in the last three years, you may use these data to answer Part C provided that the permitting authority approves, and provided that no process change or change in raw materials or operating practices has occurred since the samples were taken that would make the analyses unrepresentative of your current discharge.

**Small Business Exemption:** If you qualify as a "small business", you are exempt from the reporting requirements for the organic toxic pollutants, listed on pages V-4 to V-9 in Part C. There are two ways in which you can qualify as a "small business." If your facility is a coal mine, and if your probable total annual production is less than 100,000 tons per year, you may submit past production data or estimated future production (*such as a schedule of estimated total production under 30 CFR § 795.14(c)*) instead of conducting analyses for the organic toxic pollutants. If your facility is not a coal mine, and if your gross total annual sales for the most recent three years average less than \$100,000 per year (*in second quarter 1980*

**Item V-A, B, C, and D (continued)**

dollars), you may submit sales data for those years instead of conducting analyses for the organic toxic pollutants. The production or sales data must be for the facility which is the source of the discharge. The data should not be limited to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, in situations involving intracorporate transfer of goods and services, the transfer price per unit should approximate market prices for those goods and services as closely as possible. Sales figures for years after 1980 should be indexed to the second quarter of 1980 by using the gross national product price deflator (*second quarter of 1980=100*). This index is available in *National Income and Product Accounts of the United States (Department of Commerce, Bureau of Economic Analysis)*.

**Part V-D**

List any pollutants in Table 2c-3 that you believe to be present and explain why you believe them to be present. No analysis is required, but if you have analytical data, you must report it.

**Note:** Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (*listed in Table 2c-4 of these instructions*) may be exempted from the requirements of section 311 of CWA, which establishes reporting requirements, civil penalties and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance may be exempted if the origin, source, and amount of the discharged substances are identified in the NDPEs permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place. To apply for an exclusion of the discharge of any hazardous substance from the requirements of section 311, attach additional sheets of paper to your form, setting forth the following information:

1. The substance and the amount of each substance which may be discharged.
2. The origin and source of the discharge of the substance.
3. The treatment which is to be provided for the discharge by:
  - a. An onsite treatment system separate from any treatment system treating your normal discharge;
  - b. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
  - c. Any combination of the above.

See 40 CFR §117.12(a)(2) and (c) published on August 29, 1979, in 44 FR 50766, or contact your Regional Office (*Table 1 on Form 1, Instructions*), for further information on exclusions from section 311.

**Item VI**

This requirement applies to current use or manufacture of a toxic pollutant as an intermediate or final product or byproduct. The Director may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Director has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

**Item VII**

Self explanatory. The permitting authority may ask you to provide additional details after your application is received.

**Item IX**

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(2) of the Clean Water Act provides that "Any person who knowingly makes any false statement, representation, or certification in any application,... shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than six months, or by both."

40 CFR Part 122.22 requires the certification to be signed as follows:

(A) *For a corporation:* by a responsible corporate official. For purposes of this section, a responsible corporate official 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 employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (*in second-quarter 1980 dollars*), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**Note:** EPA does not require specific assignments or delegation of authority to responsible corporate officers identified in §122.22(a)(1)(i). The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate position under §122.22(a)(1)(ii) rather than to specific individuals.

(B) *For a partnership or sole proprietorship:* by a general partner or the proprietor, respectively; or

(C) *For a municipality, State, Federal, or other public agency:* by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal Agency includes (i) the chief executive officer of the Agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the Agency (e.g., *Regional Administrators of EPA*). Applications for Group II stormwater dischargers may be signed by a duly authorized representative (*as defined in 40 CFR 122.22(b)*) of the individuals identified above.

## CODES FOR TREATMENT UNITS

### PHYSICAL TREATMENT PROCESSES

1-A . . . . .	Ammonia Stripping	1-M . . . . .	Grit Removal
1-B . . . . .	Dialysis	1-N . . . . .	Microstraining
1-C . . . . .	Diatomaceous Earth Filtration	1-O . . . . .	Mixing
1-D . . . . .	Distillation	1-P . . . . .	Moving Bed Filters
1-E . . . . .	Electrodialysis	1-Q . . . . .	Multimedia Filtration
1-F . . . . .	Evaporation	1-R . . . . .	Rapid Sand Filtration
1-G . . . . .	Flocculation	1-S . . . . .	Reverse Osmosis ( <i>Hyperfiltration</i> )
1-H . . . . .	Flotation	1-T . . . . .	Screening
1-I . . . . .	Foam Fractionation	1-U . . . . .	Sedimentation ( <i>Settling</i> )
1-J . . . . .	Freezing	1-V . . . . .	Slow Sand Filtration
1-K . . . . .	Gas-Phase Separation	1-W . . . . .	Solvent Extraction
1-L . . . . .	Grinding ( <i>Comminutors</i> )	1-X . . . . .	Sorption

### CHEMICAL TREATMENT PROCESSES

2-A . . . . .	Carbon Adsorption	2-G . . . . .	Disinfection ( <i>Ozone</i> )
2-B . . . . .	Chemical Oxidation	2-H . . . . .	Disinfection ( <i>Other</i> )
2-C . . . . .	Chemical Precipitation	2-I . . . . .	Electrochemical Treatment
2-D . . . . .	Coagulation	2-J . . . . .	Ion Exchange
2-E . . . . .	Dechlorination	2-K . . . . .	Neutralization
2-F . . . . .	Disinfection ( <i>Chlorine</i> )	2-L . . . . .	Reduction

### BIOLOGICAL TREATMENT PROCESSES

3-A . . . . .	Activated Sludge	3-E . . . . .	Pre-Aeration
3-B . . . . .	Aerated Lagoons	3-F . . . . .	Spray Irrigation/Land Application
3-C . . . . .	Anaerobic Treatment	3-G . . . . .	Stabilization Ponds
3-D . . . . .	Nitrification-Denitrification	3-H . . . . .	Trickling Filtration

### OTHER PROCESSES

4-A . . . . .	Discharge to Surface Water	4-C . . . . .	Reuse/Recycle of Treated Effluent
4-B . . . . .	Ocean Discharge Through Outfall	4-D . . . . .	Underground Injection

### SLUDGE TREATMENT AND DISPOSAL PROCESSES

5-A . . . . .	Aerobic Digestion	5-M . . . . .	Heat Drying
5-B . . . . .	Anaerobic Digestion	5-N . . . . .	Heat Treatment
5-C . . . . .	Belt Filtration	5-O . . . . .	Incineration
5-D . . . . .	Centrifugation	5-P . . . . .	Land Application
5-E . . . . .	Chemical Conditioning	5-Q . . . . .	Landfill
5-F . . . . .	Chlorine Treatment	5-R . . . . .	Pressure Filtration
5-G . . . . .	Composting	5-S . . . . .	Pyrolysis
5-H . . . . .	Drying Beds	5-T . . . . .	Sludge Lagoons
5-I . . . . .	Elutriation	5-U . . . . .	Vacuum Filtration
5-J . . . . .	Flotation Thickening	5-V . . . . .	Vibration
5-K . . . . .	Freezing	5-W . . . . .	Wet Oxidation
5-L . . . . .	Gravity Thickening		

**TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS INDUSTRY CATEGORY\***

INDUSTRY CATEGORY	GC/MS FRACTION <sup>1</sup>			
	Volatile	Acid	Base/Neutral	Pesticide
Adhesives and sealants .....	X	X	X	-
Aluminum forming .....	X	X	X	-
Auto and other laundries .....	X	X	X	X
Battery manufacturing .....	X	-	X	-
Coal mining .....	X	X	X	X
Coil coating .....	X	X	X	-
Copper forming .....	X	X	X	-
Electric and electronic compounds .....	X	X	X	X
Electroplating .....	X	X	X	-
Explosives manufacturing .....	-	X	X	-
Foundries .....	X	X	X	-
Gum and wood chemicals .....	X	X	X	X
Inorganic chemicals manufacturing .....	X	X	X	-
Iron and steel manufacturing .....	X	X	X	-
Leather tanning and finishing .....	X	X	X	X
Mechanical products manufacturing .....	X	X	X	-
Nonferrous metals manufacturing .....	X	X	X	X
Ore mining .....	X	X	X	X
Organic chemicals manufacturing .....	X	X	X	X
Paint and ink formulation .....	X	X	X	X
Pesticides .....	X	X	X	X
Petroleum refining .....	X	X	X	X
Pharmaceutical preparations .....	X	X	X	-
Photographic equipment and supplies .....	X	X	X	X
Plastic and synthetic materials manufacturing .....	X	X	X	X
Plastic processing .....	X	-	-	-
Porcelain enameling .....	X	-	X	X
Printing and publishing .....	X	X	X	X
Pulp and paperboard mills .....	X	X	X	X
Rubber processing .....	X	X	X	-
Soap and detergent manufacturing .....	X	X	X	-
Steam electric power plants .....	X	X	X	-
Textile mills .....	X	X	X	X
Timber products processing .....	X	X	X	X

\*See note at conclusion of 40 CFR Part 122, Appendix D (1983) for explanation of effect of suspensions on testing requirements for primary industry categories.

<sup>1</sup>The pollutants in each fraction are listed in Item V-C.

X = Testing required.

- = Testing not required.

**TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES  
REQUIRED TO BE IDENTIFIED BY APPLICANTS IF EXPECTED TO BE PRESENT**

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TOXIC POLLUTANT	HAZARDOUS SUBSTANCES	HAZARDOUS SUBSTANCES
Asbestos	Dichlorvos	Naled
	Diethyl amine	Napthenic acid
HAZARDOUS SUBSTANCES	Dimethyl amine	Nitrotoluene
	Dintrobenzene	Parathion
Acetaldehyde	Diquat	Phenolsulfonate
Allyl alcohol	Disulfoton	Phosgene
Allyl chloride	Diuron	Propargite
Amyl acetate	Epichlorohydrin	Propylene oxide
Aniline	Ethion	Pyrethrins
Benzonitrile	Ethylene diamine	Quinoline
Benzyl chloride	Ethylene dibromide	Resorcinol
Butyl acetate	Formaldehyde	Strontium
Butylamine	Furfural	Strychnine
Captan	Guthion	Styrene
Carbaryl	Isoprene	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Carbofuran	Isopropanolamine	TDE (Tetrachlorodiphenyl ethane)
Carbon disulfide	Kelthane	2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]
Chlorpyrifos	Kepone	Trichlorofon
Coumaphos	Malathion	Triethanolamine
Cresol	Mercaptodimethur	Triethylamine
Crotonaldehyde	Methoxychlor	Trimethylamine
Cyclohexane	Methyl mercaptan	Uranium
2,4-D (2,4-Dichlorophenoxyacetic acid)	Methyl methacrylate	Vanadium
Diazinon	Methyl parathion	Vinyl acetate
Dicamba	Mevinphos	Xylene
Dichlobenil	Mexacarbate	Xylenol
Dichlone	Monoethyl amine	Zirconium
2,2-Dichloropropionic acid	Monomethyl amine	

## HAZARDOUS SUBSTANCES

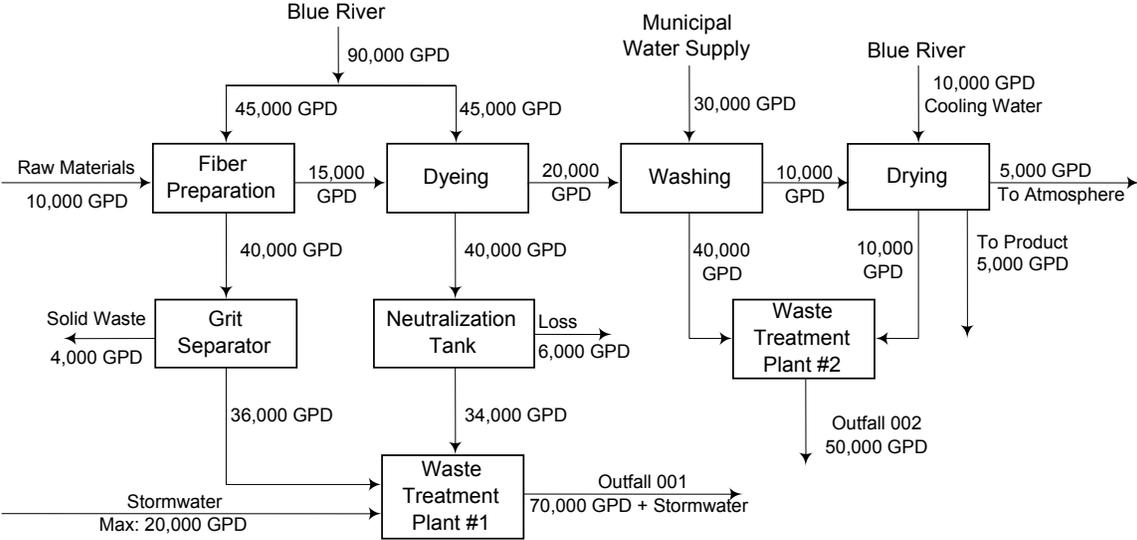
1. Acetaldehyde	74. Carbaryl	145. Formaldehyde
2. Acetic acid	75. Carbofuran	146. Formic acid
3. Acetic anhydride	76. Carbon disulfide	147. Fumaric acid
4. Acetone cyanohydrin	77. Carbon tetrachloride	148. Furfural
5. Acetyl bromide	78. Chlordane	149. Guthion
6. Acetyl chloride	79. Chlorine	150. Heptachlor
7. Acrolein	80. Chlorobenzene	151. Hexachlorocyclopentadiene
8. Acrylonitrile	81. Chloroform	152. Hydrochloric acid
9. Adipic acid	82. Chloropyrifos	153. Hydrofluoric acid
10. Aldrin	83. Chlorosulfonic acid	154. Hydrogen cyanide
11. Allyl alcohol	84. Chromic acetate	155. Hydrogen sulfide
12. Allyl chloride	85. Chromic acid	156. Isoprene
13. Aluminum sulfate	86. Chromic sulfate	157. Isopropanolamine dodecylbenzenesulfonate
14. Ammonia	87. Chromous chloride	158. Kelthane
15. Ammonium acetate	88. Cobaltous bromide	159. Kepone
16. Ammonium benzoate	89. Cobaltous formate	160. Lead acetate
17. Ammonium bicarbonate	90. Cobaltous sulfamate	161. Lead arsenate
18. Ammonium bichromate	91. Coumaphos	162. Lead chloride
19. Ammonium bifluoride	92. Cresol	163. Lead fluoborate
20. Ammonium bisulfite	93. Crotonaldehyde	164. Lead flourite
21. Ammonium carbamate	94. Cupric acetate	165. Lead iodide
22. Ammonium carbonate	95. Cupric acetoarsenite	166. Lead nitrate
23. Ammonium chloride	96. Cupric chloride	167. Lead stearate
24. Ammonium chromate	97. Cupric nitrate	168. Lead sulfate
25. Ammonium citrate	98. Cupric oxalate	169. Lead sulfide
26. Ammonium fluoroborate	99. Cupric sulfate	170. Lead thiocyanate
27. Ammonium fluoride	100. Cupric sulfate ammoniated	171. Lindane
28. Ammonium hydroxide	101. Cupric tartrate	172. Lithium chromate
29. Ammonium oxalate	102. Cyanogen chloride	173. Malathion
30. Ammonium silicofluoride	103. Cyclohexane	174. Maleic acid
31. Ammonium sulfamate	104. 2,4-D acid (2,4- Dichlorophenoxyacetic acid)	175. Maleic anhydride
32. Ammonium sulfide	105. 2,4-D esters (2,4- Dichlorophenoxyacetic acid esters)	176. Mercaptodimethur
33. Ammonium sulfite	106. DDT	177. Mercuric cyanide
34. Ammonium tartrate	107. Diazinon	178. Mercuric nitrate
35. Ammonium thiocyanate	108. Dicamba	179. Mercuric sulfate
36. Ammonium thiosulfate	109. Dichlobenil	180. Mercuric thiocyanate
37. Amyl acetate	110. Dichlone	181. Mercurous nitrate
38. Aniline	111. Dichlorobenzene	182. Methoxychlor
39. Antimony pentachloride	112. Dichloropropane	183. Methyl mercaptan
40. Antimony potassium tartrate	113. Dichloropropene	184. Methyl methacrylate
41. Antimony tribromide	114. Dichloropropene-dichloropropane mix	185. Methyl parathion
42. Antimony trichloride	115. 2,2-Dichloropropionic acid	186. Mevinphos
43. Antimony trifluoride	116. Dichlorvos	187. Mexacarbate
44. Antimony trioxide	117. Dieldrin	188. Monoethylamine
45. Arsenic disulfide	118. Diethylamine	189. Monomethylamine
46. Arsenic pentoxide	119. Dimethylamine	190. Naled
47. Arsenic trichloride	120. Dinitrobenzene	191. Naphthalene
48. Arsenic trioxide	121. Dinitrophenol	192. Naphthenic acid
49. Arsenic trisulfide	122. Dinitrotoluene	193. Nickel ammonium sulfate
50. Barium cyanide	123. Diquat	194. Nickel chloride
51. Benzene	124. Disulfoton	195. Nickel hydroxide
52. Benzoic acid	125. Diuron	196. Nickel nitrate
53. Benzointrile	126. Dodecylbenzenesulfonic acid	197. Nickel sulfate
54. Benzoyl chloride	127. Endosulfan	198. Nitric acid
55. Benzyl chloride	128. Endrin	199. Nitrobenzene
56. Beryllium chloride	129. Epichlorohydrin	200. Nitrogen dioxide
57. Beryllium fluoride	130. Ethion	201. Nitrophenol
58. Beryllium nitrate	131. Ethylbenzene	202. Nitrotoluene
59. Butylacetate	132. Ethylenediamine	203. Paraformaldehyde
60. n-Butylphthalate	133. Ethylene dibromide	204. Parathion
61. Butylamine	134. Ethylene dichloride	205. Pentachlorophenol
62. Butyric acid	135. Ethylene diaminetetracetic acid (EDTA)	206. Phenol
63. Cadmium acetate	136. Ferric ammonium citrate	207. Phosgene
64. Cadmium bromide	137. Ferric ammonium oxalate	208. Phosphoric acid
65. Cadmium chloride	138. Ferric chloride	209. Phosphorus
66. Calcium arsenate	139. Ferric fluoride	210. Phosphorus oxychloride
67. Calcium arsenite	140. Ferric nitrate	211. Phosphorus pentasulfide
68. Calcium carbide	141. Ferric sulfate	212. Phosphorus trichloride
69. Calcium chromate	142. Ferrous ammonium sulfate	213. Polychlorinated biphenyls (PCB)
70. Calcium cyanide	143. Ferrous chloride	214. Potassium arsenate
71. Calcium dodecylbenzenesulfonate	144. Ferrous sulfate	215. Potassium arsenite
72. Calcium hypochlorite		216. Potassium bichromate
73. Captan		

## HAZARDOUS SUBSTANCES

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217. Potassium chromate	247. Sodium selenite	270. Trimethylamine
218. Potassium cyanide	248. Strontium chromate	271. Uranyl acetate
219. Potassium hydroxide	249. Strychnine	272. Uranyl nitrate
220. Potassium permanganate	250. Styrene	273. Vanadium penoxide
221. Propargite	251. Sulfuric acid	274. Vanadyl sulfate
222. Propionic acid	252. Sulfur monochloride	275. Vinyl acetate
223. Propionic anhydride	253. 2,4,5-T acid (2,4,5-Trichlorophenoxyacetic acid)	276. Vinylidene chloride
224. Propylene oxide	254. 2,4,5-T amines (2,4,5-Trichlorophenoxy acetic acid amines)	277. Xylene
225. Pyrethrins	255. 2,4,5-T esters (2,4,5-Trichlorophenoxy acetic acid esters)	278. Xylenol
226. Quinoline	256. 2,4,5-T salts (2,4,5-Trichlorophenoxy acetic acid salts)	279. Zinc acetate
227. Resorcinol	257. 2,4,5-TP acid (2,4,5-Trichlorophenoxy propanoic acid)	280. Zinc ammonium chloride
228. Selenium oxide	258. 2,4,5-TP acid esters (2,4,5-Trichlorophenoxy propanoic acid esters)	281. Zinc borate
229. Silver nitrate	259. TDE (Tetrachlorodiphenyl ethane)	282. Zinc bromide
230. Sodium	260. Tetraethyl lead	283. Zinc carbonate
231. Sodium arsenate	261. Tetraethyl pyrophosphate	284. Zinc chloride
232. Sodium arsenite	262. Thallium sulfate	285. Zinc cyanide
233. Sodium bichromate	263. Toluene	286. Zinc fluoride
234. Sodium bifluoride	264. Toxaphene	287. Zinc formate
235. Sodium bisulfite	265. Trichlorofon	288. Zinc hydrosulfite
236. Sodium chromate	266. Trichloroethylene	289. Zinc nitrate
237. Sodium cyanide	267. Trichlorophenol	290. Zinc phenolsulfonate
238. Sodium dodecylbenzenesulfonate	268. Triethanolamine	291. Zinc phosphide
239. Sodium fluoride	269. Triethylamine	292. Zinc silicofluoride
240. Sodium hydrosulfide		293. Zinc sulfate
241. Sodium hydroxide		294. Zirconium nitrate
242. Sodium hypochlorite		295. Zirconium potassium flouride
243. Sodium methylate		296. Zirconium sulfate
244. Sodium nitrite		297. Zirconium tetrachloride
245. Sodium phosphate (dibasic)		
246. Sodium phosphate (tribasic)		

LINE DRAWING



Schematic of Water Flow  
Brown Mills, Inc.  
City, County, State

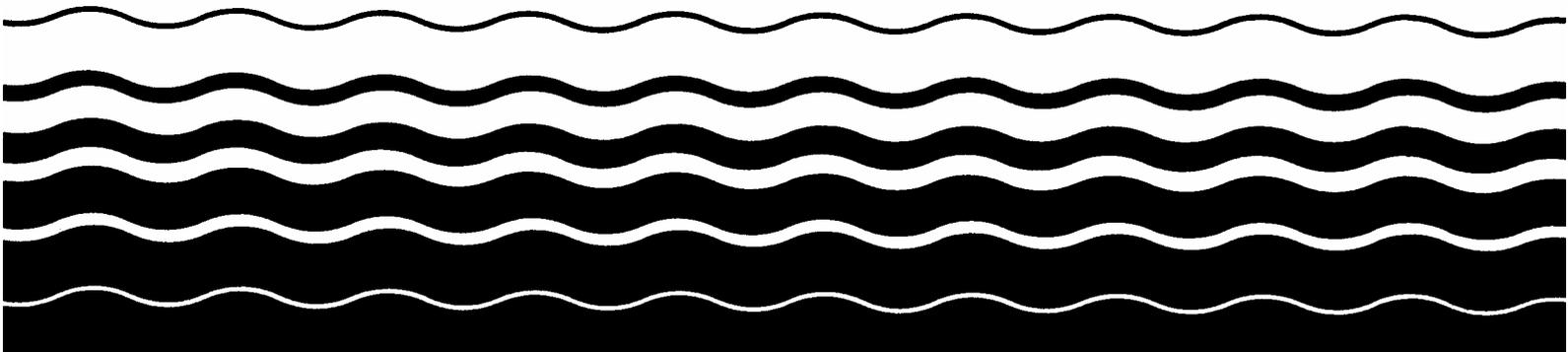
Figure 2C-1



# Application Form 2D —

## New Sources and New Dischargers:

## Application for Permit to Discharge Process Wastewater



PAPERWORK REDUCTION ACT NOTICE: The public reporting and recordkeeping burden for this collection of information is estimated to average 32 hours as an average response for some minor facilities, to 46 hours as an average per response for some major facilities, with a weighted average for major and minor of 33.2 hours per response. This estimate includes the time needed to review instructions; develop, acquire, install, and utilize validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to respond to a collection of information; search existing data sources; complete and review the collection of information; and transmit or otherwise disclose the information. As specified in 5 CFR 1320.5(b) (2), an Agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number.

Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Chief, OPPE Regulatory Information Division, U.S. Environmental Protection Agency 1200 Pennsylvania Ave., NW, Washington, DC 20460; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, 725 17<sup>th</sup> St., NW, Washington, DC 20503, Attention: Desk Officer for EPA. Include the OMB control number in any correspondence. Do not send the completed application form to these addresses.

# Form 2D Instructions

Form 2D must be completed in conjunction with EPA form 3510-1 (Form 1).

This form must be completed by applicants who checked "yes" to Item II-D in Application Form 1. However, facilities which discharge only nonprocess wastewater that is not regulated by an effluent limitations guideline or new source performance standard may use EPA Form 3510-2E (Form 2E). Educational, medical, and commercial chemical laboratories should use this form or EPA Form 3510-2C (Form 2C). To further determine if you are a new source or a new discharger, see §122.2 and §122.29. This form should not be used for discharges of stormwater runoff.

## Public Availability of Submitted Information.

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment, Section 402(j) of the CWA requires that all permit applications shall be available to the public. This information will therefore be made available to the public upon request.

You may not claim as confidential any information you submit to EPA which goes beyond that required by this form and Form 1. Confidentiality claims for effluent data must be denied. If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations in 40 CFR Part 2.

## Completeness

Your application will not be considered complete unless you answer every question on this form and on Form 1 (except as instructed below). If an item does not apply to you, enter "NA" (for "not applicable") to show that you considered the question.

## Followup Requirements

Although you are now required to submit estimated data on this form (Form 2D), please note that no later than two years after you begin discharging from the proposed facility, you must complete and submit Items V and VI of NPDES application Form 2C (EPA Form 3510-2C). However, you need not complete those portions of Item V requiring tests which you have already performed under the discharge monitoring requirements of your NPDES permit. In addition, the permitting authority may waive requirements of Items V-A and VI if the permittee makes the demonstrations required under 40 CFR §122.22(g)(7)(i)(B) and 122.21(g)(9).

## Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

## Item I

You may use the map you provided for Item XI of Form 1 to determine the latitude and longitude (to the nearest 15 seconds) of each of your outfalls and the name of the receiving water. You should name all waters to which discharge is made and which flow into significant receiving waters. For example, if the discharge is made to a ditch which flows into an unnamed tributary which in turn flows into a named river, you should provide the name or description (if no name is available) of the ditch, the tributary, and the river.

## Item II

This item requires your best estimate of the date on which your facility or new outfall will begin to discharge.

## Item III-A

List all outfalls, their source (operations contributing to the flow), and estimate an average flow from each source. Briefly describe the planned treatment for these wastewaters prior to discharge. Also describe the ultimate disposal of any solid or liquid wastes not discharged. You should describe the treatment in either a narrative form or list the proper code for the treatment unit from a list provided in Table 2D-1.

## Item III-B

An example of an acceptable line drawing appears in Figure 2D-1 to these instructions. The line drawing should show the route taken by water in your proposed facility from intake to discharge. Show all sources of wastewater, including process and production areas, sanitary flows, cooling water, and storm water runoff. You may group similar operations into a single unit, labeled to correspond to the more detailed listing in Item III-A. The water balance should show estimates of anticipated average flows. Show all significant losses of water to production, atmosphere, and discharge. You should use your best estimates.

## Item III-C

Fill in every applicable column in this item for each source of intermittent or seasonal discharge. Base your answers on your best estimate. A discharge is intermittent if it occurs with interruptions during the operating hours of the facility. Discharges caused by routine maintenance shutdowns, process changes, or other similar activities are not considered to be intermittent. A discharge is seasonal if it occurs only during certain parts of the year. The reported flow rate is the highest daily value and should be measured in gallons per day. Maximum total volume means the total volume of any one discharge within 24 hours and is measured in units such as gallons.

## Item IV

"Production" in this question refers to those goods which the proposed facility will produce, not to "wastewater" production. This information is only necessary where production-based new source performance standards (NSPS) or effluent guidelines apply to your facility. Your estimated production figures should be based on a realistic projection of actual daily production level (not design capacity) for each of the first three operating years of the facility. This estimate must be a long-term-average estimate (e.g., average production on an annual basis). If production will vary depending on long-term shifts in operating schedule or capacity, the applicant may report alternative production estimates and the basis for the alternate estimates.

If known, report quantities in the units of measurement used in the applicable NSPS or effluent guideline. For example, if the applicable NSPS is expressed as "grams of pollutant discharged per kilogram of unit production," then report maximum "Quantity Per Day" in kilograms. If you do not know whether any NPS or effluent guideline applies to your facility, report quantities in any unit of measurement known to you. If an effluent guideline or NSPS specifies a method for estimating production, that method must be followed.

There is no need to conduct new studies to obtain these figures; only data already on hand are required. You are not required to indicate how the reported information was calculated.

## Item V-A, B, and C

These items require you to estimate and report data on the pollutants expected to be discharged from each of your outfalls. Where there is more than one outfall, you should submit a separate Item V for each outfall. For Part C only a list is required. Sampling and analysis are not required at this time. If, however, data from such analyses are available, then those data should be reported. Each part of this item addresses a different set of pollutants or parameters and must be completed in accordance with the specific instructions for that part. The following are the general and specific instructions for Items V-A through V-C.

## Item V – General Instructions

Each part of this item requires you to provide an estimated maximum daily and average daily value for each pollutant or parameter listed (see Table 2D-2), according to the specific instructions below. The source of the data is also required.

For Parts A through C, base your determination of whether a pollutant will be present in your discharge on your knowledge of the proposed facility's raw materials, maintenance chemicals,

intermediate and final products, byproducts, and any analyses of your effluent or of any similar effluent. You may also provide the determination and the estimates based on available in-house or contractor's engineering reports or any other studies performed on the proposed facility (see Item VI of the form). If you expect a pollutant to be present solely as a result of its presence in your intake water, please state this information on the form.

Please note that no later than 2 years after you begin discharging from the proposed facility, you must complete and submit Items V and VI of NPDES application Form 2C (followup data).

**Reporting Intake Data.** You are not required to report pollutants or parameters present in intake water unless you wish to demonstrate your eligibility for a "net" effluent limitation for these pollutants or parameters, that is, an effluent limitation adjusted to provide allowance for the pollutants or parameters present in your intake water. If you wish to obtain credits for pollutants or parameters present in your intake water, please insert a separate sheet, with a short statement of why you believe you are eligible (see §122.45(g)), under Item VII (Other Information). You will then be contacted by the permitting authority for further instructions.

All estimated pollutant or parameter levels must be reported as concentration and as total mass, except for discharge flow, temperature, and pH. Total mass is the total weight of pollutants or parameters discharged over a day.

Use the following abbreviations for units:

<b>Concentration</b>	<b>Mass</b>
ppm..... parts per million	lbs..... pounds
mg/l .....milligrams per liter	ton ..... tons (English tons)
ppb..... parts per billion	mg ..... milligrams
ug/l ..... micrograms per liter	g ..... grams
kg..... kilograms	T ..... tonnes (metric tons)

**Source**

In providing the estimates, use the codes in the following table to indicate the source of such information in column 4 of Parts V – A and – B.

<b>Code</b>	
Engineering study.....	1
Actual data from pilot plants.....	1
Estimates from other engineering studies.....	2
Data from other similar plants.....	3
Best professional estimates.....	4
Others .....	specify on the form

**Item V-A**

Estimates of data on pollutants or parameters in Group A must be reported by all applicants for all outfalls: including outfalls containing only noncontact cooling water or nonprocess wastewater.

To request a waiver from reporting any of these pollutants or parameters, the applicant must submit to the permitting authority a written request specifying which pollutants or parameters should be waived and the reasons for requesting such a waiver. This request should be submitted to the permitting authority before or with the permit application. The permitting authority may waive the requirements for information about these pollutants or parameters if he or she determines that less stringent reporting requirements are adequate to support issuance of the permit. No extensive documentation will normally be needed, but the applicant should contact the permitting authority if she or he wishes to receive instructions on what his or her particular request should contain.

**Item V-B**

Estimates of data on pollutants in Group B must be reported by all applicants for all outfalls, including outfalls containing only noncontact cooling water or nonprocess wastewater. You are merely required to report estimates for those pollutants which you know or have reason to believe will be discharged or which are limited directly by an effluent limitations guideline (or NSPS) or indirectly

through promulgated limitations on an indicator pollutant. The priority pollutants in Group B are divided into the following three sections:

- 1) Metal toxic pollutants, total cyanide, and total phenols
- 2) 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (TCDD) (CAS # 1764-016)
- 3) Organic Toxic Pollutants (Gas Chromatography/Mass Spectrometry Fractions)
  - a) Volatile compounds
  - b) Acid compounds
  - c) Base/neutral compounds
  - d) Pesticides

For pollutants listed in Sections 1 and 3, you must report estimates as instructed above:

For Section 2, you are required to report that TCDD may be discharged if you will use or manufacture one of the following compounds, or if you know or have reason to believe that TCDD is or may be present in an effluent:

- A. 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) (CAS # 93-765);
- B. 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4, 5TP) (CAS # 93-72-1);
- C. 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) (CAS # 136-25-4);
- D. O, O-dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) (CAS # 299-84-3);
- E. 2,4,5-trichlorophenol (TCP) (CAS # 95-95-4); or
- F. Hexachlorophene (HCP) (CAS # 70-30-4).

**Small Business Exemption**

If you are a "small business," you are exempt from the reporting requirement for Item V-B (section 3). You may qualify as a "small business" if you fit one of the following definitions:

- 1) Your expected gross sales will total less than \$100,000 per year for the next three years, or
- 2) In the case of coal mines, you average production will be less than 100,000 tons of coal per year.

If you are a "small business," you may submit projected sales or production figures to qualify for this exemption. The sales or production figures you submit must be for the facility which is the source of the discharge. The data should not be limited only to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, where intracorporate transfers of goods and services are involved, the transfer price per unit should approximate market prices for those goods and services as closely as possible. If necessary, you may index your sales figures to the second quarter of 1980 to demonstrate your eligibility for a small business exemption. This may be done by using the gross national product price deflator (second quarter of 1980 = 100), an index available in "National Income and Product Accounts of the United States" (Department of Commerce, Bureau of Economic Analysis).

The small business exemption applies to the GC/MS fractions (Section 3) of Item V-B only. Even if you are eligible for a small business exemption, you are still required to provide information on metals, cyanide, total phenols, and dioxin in Item V-B, as well as all of Items V-A and C.

**Item V-C**

List any pollutants in Table 2D-3 that you believe to be present in any outfalls and briefly explain why you believe they will be present. No estimate of the pollutant's quantity is required, unless you already have quantitative data.

**Note:** The discharge of pollutants listed in Table 2D-4 may subject you to the additional requirements of section 311 of the CWA (Oil and Hazardous Substance Liability). These requirements are not administered through the NPDES program. However, if you wish an exemption under 40 CFR 117.12(a)(2) from these requirements, attach additional sheets of paper to this form providing the following information:

- A. The substance and the amount of each substance which may be discharged;
- B. The origin and source of the discharge of the substance;
- C. The treatment which is to be provided for the discharge by:
  - 1. An onsite treatment system separate from any treatment system which will treat your normal discharge;
  - 2. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
  - 3. Any combination of the above.

An exemption from the section 311 reporting requirements pursuant to 40 CFR Part 117 for pollutants on Table 2D does not exempt you from the section 402 reporting requirements pursuant to 40 CFR Part 122 (Item V-C) for pollutants listed on Table 2D-3.

For further information on exclusions from Section 311, see 40 CFR Section 117.12(a)(2) and (c), or contact your EPA Regional office (Table 1 in Form 1 instructions).

**Item VI-A**

If an engineering study was conducted, check the box labeled "report available." If no study was done, check the box labeled "no report."

**Item VI-B**

Report the name and location of any existing plant(s) which (to the best of your knowledge) resembles your planned operation with respect to items produced, production process, wastewater constituents, or wastewater treatment. No studies need be conducted to respond to this item. Only data which are already available need be submitted.

This information will be used to inform the permit writer of appropriate treatment methods and their associated permit conditions and limits.

**Item VII**

A space is provided for additional information which you believe would be useful in setting permit limits, such as additional sampling. Any response is optional.

**Item VIII**

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(2) of the Clean Water Act provides that "Any person who knowingly makes any false statement, representation, or certification in any application,... shall upon conviction, be punished by a fine of no more than \$10,000 or by imprisonment for not more than six months, or both."

**40 CFR Part 122.22 Requires the Certification to be Signed as Follows:**

- A. For a corporation: by a responsible corporate officer.
  - 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 employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- B. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- C. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive office having responsibility for the overall operations of the principal geographic unit of the agency (e.g., Regional Administrators of EPA).

## PHYSICAL TREATMENT PROCESSES

1-A	Ammonia Stripping	1-M	Grit Removal
1-B	Dialysis	1-N	Microstraining
1-C	Diatomaceous Earth Filtration	1-O	Mixing
1-D	Distillation	1-P	Moving Bed Filters
1-E	Electrodialysis	1-Q	Multimedia Filtration
1-F	Evaporation	1-R	Rapid Sand Filtration
1-G	Flocculation	1-S	Reverse Osmosis ( <i>Hyperfiltration</i> )
1-H	Flotation	1-T	Screening
1-I	Foam Fractionation	1-U	Sedimentation ( <i>Settling</i> )
1-J	Freezing	1-V	Slow Sand Filtration
1-K	Gas-Phase Separation	1-W	Solvent Extraction
1-L	Grinding ( <i>Comminutors</i> )	1-X	Sorption

## CHEMICAL TREATMENT PROCESSES

2-A	Carbon Adsorption	2-G	Disinfection ( <i>Ozone</i> )
2-B	Chemical Oxidation	2-H	Disinfection ( <i>Other</i> )
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection ( <i>Chlorine</i> )	2-L	Reduction

## BIOLOGICAL TREATMENT PROCESSES

3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application
3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filtration

## OTHER PROCESSES

4-A	Discharge to Surface Water	4-C	Reuse/Recycle of Treated Effluent
4-B	Ocean Discharge Through Outfall	4-D	Underground Injection

## SLUDGE TREATMENT AND DISPOSAL PROCESSES

5-A	Aerobic Digestion	5-M	Heat Drying
5-B	Anaerobic Digestion	5-N	Heat Treatment
5-C	Belt Filtration	5-O	Incineration
5-D	Centrifugation	5-P	Land Application
5-E	Chemical Conditioning	5-Q	Landfill
5-F	Chlorine Treatment	5-R	Pressure Filtration
5-G	Composting	5-S	Pyrolysis
5-H	Drying Beds	5-T	Sludge Lagoons
5-I	Elutriation	5-U	Vacuum Filtration
5-J	Flotation Thickening	5-V	Vibration
5-K	Freezing	5-W	Wet Oxidation
5-L	Gravity Thickening		

## GROUP A

Biochemical Oxygen Demand (BOD)  
Chemical Oxygen Demand (COD)  
Total Organic Carbon (TOC)  
Total Suspended Solids (TSS)  
Flow

Ammonia (as N)  
Temperature (winter)  
Temperature (summer)  
pH

## GROUP B

Bromide  
Total Residual Chlorine  
Color  
Fecal Coliform  
Fluoride  
Nitrate-Nitrite (as N)  
Oil and Grease  
Phosphorus (as P) Total  
Radioactivity  
    (1) Alpha, Total  
    (2) Beta, Total  
    (3) Radium, Total  
    (4) Radium 226, Total

Sulfate (as SO<sub>4</sub>)  
Sulfide (as S)  
Sulfite (as SO<sub>3</sub>)  
Surfactants  
Aluminum, Total  
Barium, Total  
Boron, Total  
Cobalt, Total  
Iron, Total  
Magnesium, Total  
Molybdenum, Total  
Manganese, Total  
Tin, Total  
Titanium, Total

### Section 1

Antimony, Total  
Beryllium, Total  
Chromium, Total  
Lead, Total  
Nickel, Total  
Silver, Total  
Zinc, Total  
Phenols, Total

Arsenic, Total  
Cadmium, Total  
Copper, Total  
Mercury, Total  
Selenium, Total  
Thallium, Total  
Cyanide, Total

### Section 2

2,3,7,8-Tetrachlorodibenzo-P-Dioxin

### Section 3

## GC/MS FRACTION\* — VOLATILE COMPOUNDS

Acrolein  
Benzene  
Carbon Tetrachloride  
Chlorodibromomethane  
2-Chloroethylvinyl Ether  
Dichlorobromomethane  
1,2-Dichloroethane  
1,2-Dichloropropane  
Ethylbenzene  
Methyl Chloride  
1,1,2,2-Tetrachloroethane  
Toluene  
1,1,1-Trichloroethane  
Trichloroethylene

Vinyl Chloride  
Acrylonitrile  
Bromoform  
Chlorobenzene  
Chloroethane  
Chloroform  
1,1-Dichloroethane  
1,3-Dichloropropylene  
Methyl Bromide  
Methylene chloroethane  
Tetrachloroethylene  
1,2-Trans-Dichloroethylene  
1,1,2-Trichloroethane

## GS/MS FRACTION — ACID COMPOUNDS

2-Chlorophenol  
2,4-Dimethylphenol  
2,4-Dinitro-phenol  
4-Nitrophenol  
Pentachlorophenol  
2,4,6-Trichlorophenol

2,4-Dichlorophenol  
4,6-Dinitro-O-Cresol  
2-Nitrophenol  
P-Chloro-M-Cresol  
Phenol

## GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS

Acenaphthene	Acenaphthylene
Anthracene	Benzdine
Benzo (a) Anthracene	Benzo (a) Pyrene
3,5-Benzofluoranthene	Benzo (ghi) Perylene
Benzo (k) Fluoranthene	Bis (2 Chloroethoxy) Methane
Bis (2-Chloroethyl) Ether Bis	(2-Chloroisopropyl) Ether
Bis (2-Ethylhexyl) Phthalate	4-Bromophenyl Phenyl Ether
Butyl Benzyl Phthalate	2-Chloronaphthalene
4-Chlorophenyl Phenyl Ether	Chrysene
Dibenzo (a, h) Anthracene	1,2-Dichlorobenzene
1,3-Dichlorobenzene	1,4-Dichlorobenzene
3,3-Dichlorobenzidine	Diethyl Phthalate
Dimethyl Phthalate	Di-N-Butyl Phthalate
2,4-Dinitrotoluene	2,6-Dinitrotoluene
Di-N-Octyl Phthalate	1,2, Diphenylhydrazine (as Azobenzen)
Fluoranthene	Fluorene
Hexachlorobenzene	Hexachlorobutadiene
Hexachlorocyclopentadiene	Hexachloroethane
Indeno (1,2,3-cd) Pyrene	Isophorone
Naphthalene	Nitrobenzene
N-Nitro-sodimethylamine	N-Nitrosodi-N-Propylamine
N-Nitro-sodiphenylamine	Phenanthrene
Pyrene	1,2,4-Trichlorobenzene

## GC/MS FRACTION — PESTICIDES

Aldrin	Gamma-BHC
Alpha-BHC	Delta-BHC
Beta-BHC	Chlordane
4,4' DDT	4,4' DDE
4,4'-DDD	Dieldrin
Alpha-Endosulfan	Beta-Endosulfan
Endosulfan Sulfate	Endrin
Endrin Aldehyde	Heptachlor
Heptachlor Epoxide	PCB-1242
PCB-1254	PCB-1221
PCB-1232	PCB-1248
PCB-1260	PCB-1016
Toxaphene	

\*fractions defined in 40 CFR Part 136

**TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES  
REQUIRED TO BE IDENTIFIED BY APPLICANTS IF EXPECTED TO BE PRESENT**

**TOXIC POLLUTANT**

Asbestos

**HAZARDOUS SUBSTANCES**

Acetaldehyde  
 Allyl alcohol  
 Allyl chloride  
 Amyl acetate  
 Aniline  
 Benzonitrile  
 Benzyl chloride  
 Butyl acetate  
 Butylamine  
 Captan  
 Carbaryl  
 Carbofuran  
 Carbon disulfide  
 Chlorpyrifos  
 Coumaphos  
 Cresol  
 Crotonaldehyde  
 Cyclohexane  
 2,4-D (2,4-Dichlorophenoxyacetic acid)  
 Diazinon  
 Dicamba  
 Dichlobenil  
 Dichlone  
 2,2-Dichloropropionic acid  
 Dichlorvos  
 Diethyl amine  
 Dimethyl amine  
 Dinitrobenzene  
 Diquat  
 Disulfoton  
 Diuron  
 Epichlorohydrin  
 Ethion  
 Ethylene diamine  
 Formaldehyde  
 Furfural  
 Guthion

**HAZARDOUS SUBSTANCES**

Isoprene  
 Isopropanolamine dodecylbenzenesulfonate  
 Kelthane  
 Kepone  
 Malathion  
 Mercaptodimethur  
 Methoxychlor  
 Methyl mercaptan  
 Methyl methacrylate  
 Methyl parathion  
 Mevinphos  
 Mexacarbate  
 Monoethyl amine  
 Monomethyl amine  
 Naled  
 Napthenic acid  
 Nitrotoluene  
 Parathion  
 Phenolsulfonate  
 Phosgene  
 Propargite  
 Propylene oxide  
 Pyrethrins  
 Quinoline  
 Resorcinol  
 Strontium  
 Strychnine  
 2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)  
 TDE (Tetrochlorodiphenyl ethane)  
 2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanic acid]  
 Trichlorofon  
 Triethanolamine dodecylbenzenesulfonate  
 Triethylamine  
 Uranium  
 Vanadium  
 Vinyl acetate  
 Xylene  
 Xylenol  
 Zirconium

## HAZARDOUS SUBSTANCES

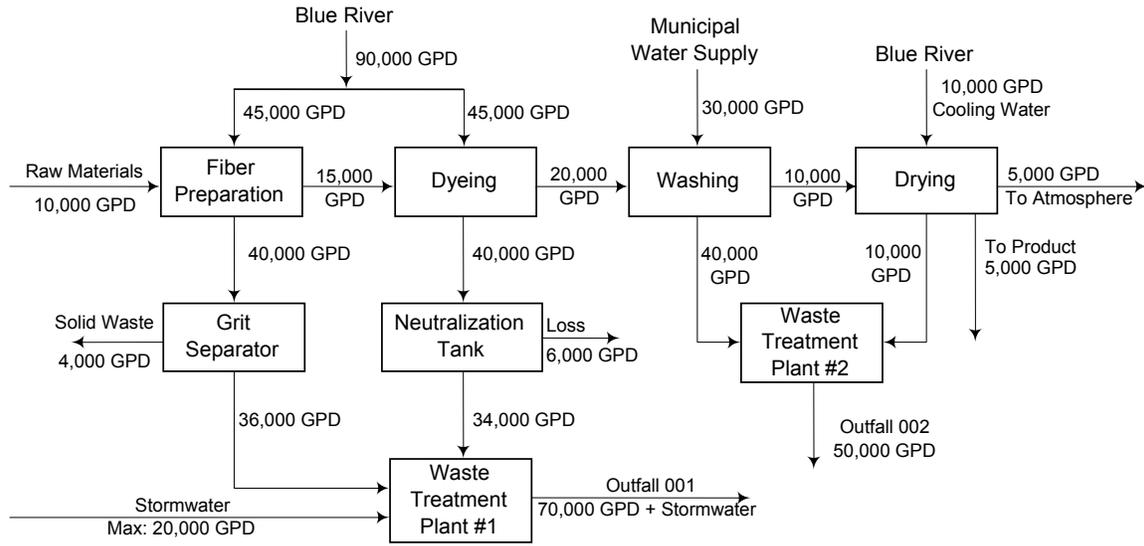
1. Acetaldehyde	67. Calcium arsenite	131. Ethylbenzene
2. Acetic acid	69. Calcium carbide	132. Ethylenediamine
3. Acetic anhydride	69. Calcium chromate	133. Ethylene dibromide
4. Acetone cyanohydrin	70. Calcium cyanide	134. Ethylene dichloride
5. Acetyl bromide	71. Calcium dodecylbenzenesulfonate	135. Ethylene diaminetetracetic acid (EDTA)
6. Acetyl chloride	72. Calcium hypochlorite	136. Ferric ammonium citrate
7. Acrolein	73. Captan	137. Ferric ammonium oxalate
8. Acrylonitrile	74. Carbaryl	138. Ferric chloride
9. Adipic acid	75. Carbofuran	139. Ferric fluoride
10. Aldrin	76. Carbon disulfide	140. Ferric nitrate
11. Allyl alcohol	77. Carbon tetrachloride	141. Ferric sulfate
12. Allyl chloride	78. Chlordane	142. Ferrous ammonium sulfate
13. Aluminum sulfate	79. Chlorine	143. Ferrous chloride
14. Ammonia	80. Chlorobenzene	144. Ferrous sulfate
15. Ammonium acetate	81. Chloroform	145. Formaldehyde
16. Ammonium benzoate	82. Chloropyrifos	146. Formic acid
17. Ammonium bicarbonate	83. Chlorosulfonic acid	147. Fumaric acid
18. Ammonium bichromate	84. Chromic acetate	148. Furfural
19. Ammonium bifluoride	85. Chromic acid	149. Guthion
20. Ammonium bisulfite	86. Chromic sulfate	150. Heptachlor
21. Ammonium carbamate	87. Chromous chloride	151. Hexachlorocyclopentadiene
22. Ammonium carbonate	88. Cobaltous bromide	152. Hydrochloric acid
23. Ammonium chloride	89. Cobaltous formate	153. Hydrofluoric acid
24. Ammonium chromate	90. Cobaltous sulfamate	154. Hydrogen cyanide
25. Ammonium citrate	91. Coumaphos	155. Hydrogen sulfide
26. Ammonium fluoroborate	92. Cresol	156. Isoprene
27. Ammonium fluoride	93. Crotonaldehyde	157. Isopropanolamine dodecylbenzenesulfonate
28. Ammonium hydroxide	94. Cupric acetate	158. Kelthane
29. Ammonium oxalate	95. Cupric acetoarsenite	159. Kepone
30. Ammonium silicofluoride	96. Cupric chloride	160. Lead acetate
31. Ammonium sulfamate	97. Cupric nitrate	161. Lead arsenate
32. Ammonium sulfide	98. Cupric oxalate	162. Lead chloride
33. Ammonium sulfite	99. Cupric sulfate	163. Lead fluoroborate
34. Ammonium tartrate	100. Cupric sulfate ammoniated	164. Lead flourite
35. Ammonium thiocyanate	101. Cupric tartrate	165. Lead iodide
36. Ammonium thiosulfate	102. Cyanogen chloride	166. Lead nitrate
37. Amyl acetate	103. Cyclohexane	167. Lead stearate
38. Aniline	104. 2,4-D acid (2,4- Dichlorophenoxyacetic acid)	168. Lead sulfate
39. Antimony pentachloride	105. 2,4-D esters (2,4- Dichlorophenoxyacetic acid esters)	169. Lead sulfide
40. Antimony potassium tartrate	106. DDT	170. Lead thiocyanate
41. Antimony tribromide	107. Diazinon	171. Lindane
42. Antimony trichloride	108. Dicamba	172. Lithium chromate
43. Antimony trifluoride	109. Dichlobenil	173. Malathion
44. Antimony trioxide	110. Dichlone	174. Maleic acid
45. Arsenic disulfide	111. Dichlorobenzene	175. Maleic anhydride
46. Arsenic pentoxide	112. Dichloropropane	176. Mercaptodimethur
47. Arsenic trichloride	113. Dichloropropene	177. Mercuric cyanide
48. Arsenic trioxide	114. Dichloropropene-Dichloropropane mix	178. Mercuric nitrate
49. Arsenic trisulfide	115. 2,2-Dichloropropionic acid	179. Mercuric sulfate
50. Barium cyanide	116. Dichlorvos	180. Mercuric thiocyanate
51. Benzene	117. Dieldrin	181. Mercurous nitrate
52. Benzoic acid	118. Diethylamine	182. Methoxychlor
53. Benzonitrile	119. Dimethylamine	183. Methyl mercaptan
54. Benzoyl chloride	120. Dinitrobenzene	184. Methyl methacrylate
55. Benzyl chloride	121. Dinitrophenol	185. Methyl parathion
56. Beryllium chloride	122. Dinitrotoluene	186. Mevinphos
57. Beryllium fluoride	123. Diquat	187. Mexacarbate
58. Beryllium nitrate	124. Disulfoton	188. Monoethylamine
59. Butylacetate	125. Diuron	189. Monomethylamine
60. n-Butylphthalate	126. Dodecylbenzenesulfonic acid	190. Naled
61. Butylamine	127. Endosulfan	191. Naphthalene
62. Butyric acid	128. Endrin	192. Naphthenic acid
63. Cadmium acetate	129. Epichlorohydrin	193. Nickel ammonium sulfate
64. Cadmium bromide	130. Ethion	194. Nickel chloride
65. Cadmium chloride		195. Nickel hydroxide
66. Calcium arsenate		

Table 2D-4

## HAZARDOUS SUBSTANCES (Continued)

- |   |  |
|---|--|
| 196. Nickel nitrate   | 258. 2,4,5-TP acid esters (2,4,5-Trichlorophenoxy propanoic acid esters) |
| 197. Nickel sulfate   | 259. TDE (Tetrachlorodiphenyl ethane)                                    |
| 198. Nitric acid  | 260. Tetraethyl lead   |
| 199. Nitrobenzene   | 261. Tetraethyl pyrophosphate  |
| 200. Nitrogen dioxide   | 262. Thallium sulfate  |
| 201. Nitrophenol  | 263. Toluene   |
| 202. Nitrotoluene   | 264. Toxaphene   |
| 203. Paraformaldehyde   | 265. Trichlorofon  |
| 204. Parathion  | 266. Trichloroethylene   |
| 205. Pentachlorophenol  | 267. Trichlorophenol   |
| 206. Phenol   | 268. Triethanolamine   |
| 207. Phosgene   | dodecylbenzenesulfonate  |
| 208. Phosphoric acid  | 269. Triethylamine   |
| 209. Phosphorus   | 270. Trimethylamine  |
| 210. Phosphorus oxychloride                                     | 271. Uranyl acetate  |
| 211. Phosphorus pentasulfide                                    | 272. Uranyl nitrate  |
| 212. Phosphorus trichloride                                     | 273. Vanadium pentoxide  |
| 213. Polychlorinated biphenyls (PCB)                            | 274. Vanadyl sulfate   |
| 214. Potassium arsenate   | 275. Vinyl acetate   |
| 215. Potassium arsenite   | 276. Vinylidene chloride   |
| 216. Potassium bichromate                                       | 277. Xylene  |
| 217. Potassium chromate   | 278. Xylenol   |
| 218. Potassium cyanide  | 279. Zinc acetate  |
| 219. Potassium hydroxide  | 280. Zinc ammonium chloride  |
| 220. Potassium permanganate                                     | 281. Zinc borate   |
| 221. Propargite   | 282. Zinc bromide  |
| 222. Propionic acid   | 283. Zinc carbonate  |
| 223. Propionic anhydride  | 284. Zinc chloride   |
| 224. Propylene oxide  | 285. Zinc cyanide  |
| 225. Pyrethrins   | 286. Zinc fluoride   |
| 226. Quinoline  | 287. Zinc formate  |
| 227. Resorcinol   | 288. Zinc hydrosulfite   |
| 228. Selenium oxide   | 289. Zinc nitrate  |
| 229. Silver nitrate   | 290. Zinc phenolsulfonate  |
| 230. Sodium   | 291. Zinc phosphide  |
| 231. Sodium arsenate  | 292. Zinc silicofluoride   |
| 232. Sodium arsenite  | 293. Zinc sulfate  |
| 233. Sodium bichromate  | 294. Zirconium nitrate   |
| 234. Sodium bifluoride  | 295. Zirconium potassium flouride  |
| 235. Sodium bisulfite   | 296. Zirconium sulfate   |
| 236. Sodium chromate  | 297. Zirconium tetrachloride   |
| 237. Sodium cyanide   |  |
| 238. Sodium dodecylbenzenesulfonate                             |  |
| 239. Sodium fluoride  |  |
| 240. Sodium hydrosulfide  |  |
| 241. Sodium hydroxide   |  |
| 242. Sodium hypochlorite  |  |
| 243. Sodium methylate   |  |
| 244. Sodium nitrite   |  |
| 245. Sodium phosphate (dibasic)                                 |  |
| 246. Sodium phosphate (tribasic)                                |  |
| 247. Sodium selenite  |  |
| 248. Strontium chromate   |  |
| 249. Strychnine   |  |
| 250. Styrene  |  |
| 251. Sulfuric acid  |  |
| 252. Sulfur monochloride  |  |
| 253. 2,4,5-T acid (2,4,5-Trichlorophenoxyacetic acid)           |  |
| 254. 2,4,5-T amines (2,4,5-Trichlorophenoxy acetic acid amines) |  |
| 255. 2,4,5-T esters (2,4,5 Trichlorophenoxy acetic acid esters) |  |
| 256. 2,4,5-T salts (2,4,5-Trichlorophenoxy acetic acid salts)   |  |
| 257. 2,4,5-TP acid (2,4,5-Trichlorophenoxy propanoic acid)      |  |

# LINE DRAWING



Schematic of Water Flow  
Brown Mills, Inc.  
City, County, State

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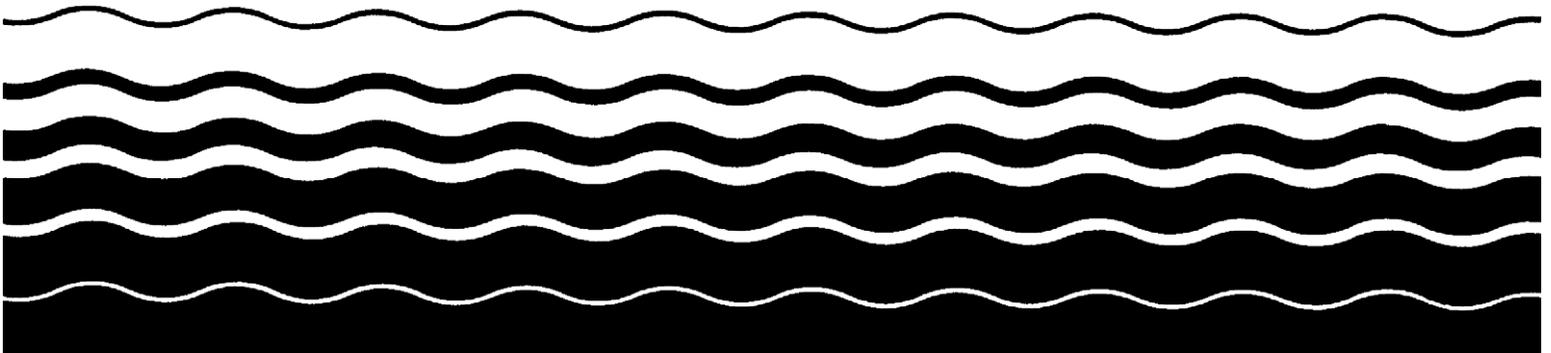
Permits Division

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# Application Form 2E —

## Facilities Which Do Not Discharge Process Wastewater



### **Paperwork Reduction Act Notice**

The public reporting burden for this collection of information is estimated to average 33 hours per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, Information Policy Branch (PM-223), US Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked **Attention:** Desk Officer for EPA.

# Form 2E Instructions

## Who Must File Form 2E

EPA Form 3510-2E must be completed in conjunction with EPA Form 3510-1 (Form 1). This short form may be used only by operators of facilities which discharge only nonprocess wastewater (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) which is not regulated by effluent limitations guidelines or new source performance standards. The form is intended primarily for use by dischargers (new or existing) of sanitary wastes and noncontact cooling water. It may not be used for discharges of stormwater runoff or by educational, medical, or commercial chemical laboratories or by publicly owned treatment works (POTW's).

## Where to File Applications

The application forms should be sent to the EPA Regional Office which covers the State in which the facility is located. Form 2E (the short form) must be used only when applying for permits in States where the NPDES permits program is administered by EPA. For facilities located in States which are approved to administer the NPDES permits program, the State environmental agency should be contacted for proper permit application forms and instructions. Information on whether a particular program is administered by EPA or by a State agency can be obtained from your EPA Regional Office. Form 1, Table 1 of the "General Instructions" lists the addresses of EPA Regional Offices and the States within the jurisdiction of each Office.

## Public Availability of Submitted Information

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. Section 402(j) of the CWA requires that all permit applications shall be available to the public. This information will therefore be made public upon request.

You may claim as confidential any information you submit to EPA which goes beyond that required by this form or Form 1. However, confidentiality claims for effluent data must be denied. If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations in 40 CFR Part 2.

## Completeness

Your application will not be considered complete unless you answer every question on this form and Form 1 (except as instructed below). If an item does not apply to

you, enter "NA" (for "not applicable") to show that you considered the question.

## Followup Requirements for New Dischargers and New Sources

Please note that no later than 2 years after commencement of discharge from the proposed facility, you must complete and submit Item IV of this form (NPDES Form 2E). At that time you must test and report actual rather than estimated data for the pollutants or parameters in Item IV, unless waived by the permitting authority.

## Definitions

Significant terms used in these instructions and in the form are defined in the Glossary found in the General Instructions accompanying Form 1.

## Item I

Under Part A, list an outfall number. Under Part B, list the latitude and longitude to the nearest 15 seconds for this outfall. Under Part C, list the name of the outfall's receiving water. When there is more than one outfall, you must submit a separate Form 2E (Items I, III, and IV only) for each outfall.

## Item II (New Dischargers Only)

This item requires your best estimate of the date on which your facility will begin to discharge.

## Item III

In Part A, indicate the general type(s) of wastes to be discharged by placing an "x" in the appropriate box(es). If "other nonprocess wastewater" is marked, it should be identified. If cooling water additives are to be used, they must be listed by name under Part B.

In addition, the composition of the cooling water additives should be listed if this information is available. The composition of cooling water additives may be found on product labels or from manufacturer's data sheets.

## Item IV — Reporting

All pollutant levels must be reported as concentration and as total mass (except for discharge flow, pH, and temperature). Total mass is the total weight of pollutants discharged over a day. Use the following abbreviations for units:

Concentration		Mass	
ppm	parts per million	lbs	pounds
mg/l	milligrams per liter	ton	tons (English tons)
ppb	parts per billion	mg	milligrams
Ug/l	micrograms per liter	g	grams
kg	kilograms	T	Tonnes (metric tons)

## A. Existing Sources

You are required to provide at least one analysis for each pollutant or parameter listed by filling in the requested information under the applicable column. Data reported must be representative of the facility's current operation (average daily value over the previous 365 days should be reported). Most facilities routinely monitor these pollutants or parameters as part of existing permit requirements.

The pollutants or parameters listed are: average flow, biochemical oxygen demand (BOD), total suspended solids (TSS), fecal coliform (if believed present or if sanitary waste is discharged), pH, total residual chlorine (if chlorine is used), temperature (winter and summer), oil and grease, chemical oxygen demand (COD), total organic carbon (TOC) (COD and TOC are only required if noncontact cooling water is discharged), and ammonia (as N). The analysis of these pollutants or parameters must be done in accordance with procedures promulgated in 40 CFR Part 136. Grab samples must be used for pH, temperature, residual chlorine, oil and grease, and fecal coliform. For all other pollutants, 24-hour composite samples must be used. Any further questions on sampling or analysis should be directed to your EPA or State permitting authority. The authority may request that you do additional testing, if appropriate, on a case-by-case basis under Section 308 of the Clean Water Act (CWA).

If you expect a pollutant to be present solely as a result of its presence in your intake water, state this information on Item VII of the form.

## B. New dischargers

You are required to provide an estimated maximum daily and average daily value for each pollutant or parameter (exceptions noted on the form). Please note that followup testing and reporting are required no later than 2 years after the facility starts to discharge. Sampling and analysis are not required at this time. If, however, data from such analyses are available, then such data should be reported. The source of the estimates is also required. Base your determination of whether a pollutant will be present in your discharge on your knowledge of the proposed facility's use of maintenance chemicals, and any analyses of your effluent or of any similar effluent. You may also provide the estimates based on available inhouse or contractor's engineering reports or any other studies performed on the proposed facility. If you expect a pollutant or parameter to be present solely as a result of its presence in your intake water, state this information on Item VII of the form.

In providing the estimates, use the codes in the following table to indicate the source of such information.

Engineering Study	Code
Actual data from pilot plants .....	1
Estimates from other engineering studies .....	2
Data from other similar plants .....	3
Best professional estimates .....	4
Others .....	specify on the form

## C. Testing Waivers

To request a waiver from reporting any of these pollutants or parameters, the applicant (whether a new or existing discharger) must submit to the permitting authority a written request specifying which pollutants or parameters should be waived and the reasons for requesting a waiver. This request should be submitted to the permitting authority before or with the permit application. The permitting authority may waive the requirements for information about any pollutant or parameter if he determines that less stringent reporting requirements are adequate to support issuance of the permit. No extensive documentation of the request will normally be needed, but the applicant should contact the permitting authority if he or she wishes to receive instructions on what his or her particular request should contain.

### Item V

Describe the average frequency of flow and duration of any intermittent or seasonal discharge (except for stormwater runoff, leaks, or spills). The frequency of flow means the number of days or months per year there is intermittent discharge. Duration means the number of days or hours per discharge. For new dischargers, base your answers on your best estimate.

### Item VI

Describe briefly any treatment system(s) used (or to be used for new dischargers), indicating whether the treatment system is physical, chemical, biological, sludge and disposal, or other. Also give the particular type(s) of process(es) used (or to be used). For example, if a physical treatment system is used (or will be used), specify the processes applied, such as grit removal, ammonia stripping, dialysis, etc.

### Item VII

This item is intended for you to provide any additional information (such as sampling results) that you feel should be considered by the reviewer in establishing permit limitations. Any response here is optional. If you wish to demonstrate your eligibility for a "net" effluent limitation, i.e., an effluent limitation adjusted to provide credit for the pollutant(s) present in your intake water, please add a short statement of why you believe you are eligible (see §122.45(g)). You will then be contacted by the permitting authority for further instructions.

## Item VIII

The Clean Water Act provides severe penalties for submitting false information on this application form. Section 309(c)(2) of the Clean Water Act provides that "Any person who knowingly makes any false statement, representation, or certification in any application, ...shall upon conviction, be punished by a fine of no more than \$10,000 or by imprisonment for not more than six months or both."

40 CFR Part 122.22 requires the certification to be signed as follows:

- a. For a corporation: by a responsible corporate officer. 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 employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

## **Instructions – Form 2F**

### **Application for Permit to Discharge Storm Water Associated with Industrial Activity**

#### **Who Must File Form 2F**

Form 2F must be completed by operators of facilities which discharge storm water associated with industrial activity or by operators of storm water discharges that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard.

Operators of discharges which are composed entirely of storm water must complete Form 2F (EPA Form 3510-2F) in conjunction with Form 1 (EPA Form 3510-1).

Operators of discharges of storm water which are combined with process wastewater (process wastewater is water that comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, waste product, or wastewater) must complete and submit Form 2F, Form 1, and Form 2C (EPA Form 3510-2C).

Operators of discharges of storm water which are combined with nonprocess wastewater (nonprocess wastewater includes noncontact cooling water and sanitary wastes which are not regulated by effluent guidelines or a new source performance standard, except discharges by educational, medical, or commercial chemical laboratories) must complete Form 1, Form 2F, and Form 2E (EPA Form 3510 2E).

Operators of new sources or new discharges of storm water associated with industrial activity which will be combined with other nonstormwater new sources or new discharges must submit Form 1, Form 2F, and Form 2D (EPA Form 3510-2D).

#### **Where to File Applications**

The application forms should be sent to the EPA Regional Office which covers the State in which the facility is located. Form 2F must be used only when applying for permits in States where the NPDES permits program is administered by EPA. For facilities located in States which are approved to administer the NPDES permits program, the State environmental agency should be contacted for proper permit application forms and instructions.

Information on whether a particular program is administered by EPA or by a State agency can be obtained from your EPA Regional Office. Form 1, Table 1 of the "General Instructions" lists the addresses of EPA Regional Offices and the States within the jurisdiction of each Office.

#### **Completeness**

Your application will not be considered complete unless you answer every question on this form and on Form 1. If an item does not apply to you, enter "NA" (for not applicable) to show that you considered the question.

#### **Public Availability of Submitted Information**

You may not claim as confidential any information required by this form or Form 1, whether the information is reported on the forms or in an attachment. Section 402(j) of the Clean Water Act requires that all permit applications will be available to the public. This information will be made available to the public upon request.

Any information you submit to EPA which goes beyond that required by this form, Form 1, or Form 2C you may claim as confidential, but claims for information which are effluent data will be denied.

If you do not assert a claim of confidentiality at the time of submitting the information, EPA may make the information public without further notice to you. Claims of confidentiality will be handled in accordance with EPA's business confidentiality regulations at 40 CFR Part 2.

#### **Definitions**

All significant terms used in these instructions and in the form are defined in the glossary found in the General Instructions which accompany Form 1.

#### **EPA ID Number**

Fill in your EPA Identification Number at the top of each odd numbered page of Form 2F. You may copy this number directly from item I of Form 1.

**Item I**

You may use the map you provided for item XI of Form 1 to determine the latitude and longitude of each of your outfalls and the name of the receiving water.

**Item 11-A**

If you check "yes" to this question, complete all parts of the chart, or attach a copy of any previous submission you have made to EPA containing the same information.

**Item 11-B**

You are not required to submit a description of future pollution control projects if you do not wish to or if none is planned.

**Item III**

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including:

each of its drainage and discharge structures;

the drainage area of each storm water outfall;

paved areas and building within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied;

each of its hazardous waste treatment, storage or disposal facilities (including each area not required to have a RCRA permit which is used for accumulating hazardous waste for less than 90 days under 40 CFR 262.34);

each well where fluids from the facility are injected underground; and

springs, and other surface water bodies which receive storm water discharges from the facility;

**Item IV-A**

For each outfall, provide an estimate of the area drained by the outfall which is covered by impervious surfaces. For the purpose of this application, impervious surfaces are surfaces where storm water runs off at rates that are significantly higher than background rates (e.g., predevelopment levels) and include paved areas, building roofs, parking lots, and roadways. Include an estimate of the total area (including all impervious and pervious areas) drained by each outfall. The site map required under item III can be used to estimate the total area drained by each outfall.

**Item IV-B**

Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage or disposal of these materials; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied. Significant materials should be identified by chemical name, form (e.g., powder, liquid, etc.), and type of container or treatment unit. Indicate any materials treated, stored, or disposed of together. "Significant materials" includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under Section 101 (14) of CERCLA; any chemical the facility is required to report pursuant to Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

**Item IV-C**

For each outfall, structural controls include structures which enclose material handling or storage areas, covering materials, berms, dikes, or diversion ditches around manufacturing, production, storage or treatment units, retention ponds, etc. Nonstructural controls include practices such as spill prevention plans, employee training, visual inspections, preventive maintenance, and housekeeping measures that are used to prevent or minimize the potential for releases of pollutants.

#### **Item V**

Provide a certification that all outfalls that should contain storm water discharges associated with industrial activity have been tested or evaluated for the presence of non-storm water discharges which are not covered by an NPDES permit. Tests for such non-storm water discharges may include smoke tests, fluorometric dye tests, analysis of accurate schematics, as well as other appropriate tests. Part B must include a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test. All non-storm water discharges must be identified in a Form 2C or Form 2E which must accompany this application (see beginning of instructions under section titled "Who Must File Form 2F" for a description of when Form 2C and Form 2E must be submitted).

#### **Item VI**

Provide a description of existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years.

#### **Item VII-A, B, and C**

These items require you to collect and report data on the pollutants discharged for each of your outfalls. Each part of this item addresses a different set of pollutants and must be completed in accordance with the specific instructions for that part. The following general instructions apply to the entire item.

#### **General Instructions**

Part A requires you to report at least one analysis for each pollutant listed. Parts B and C require you to report analytical data in two ways. For some pollutants addressed in Parts B and C, if you know or have reason to know that the pollutant is present in your discharge, you may be required to list the pollutant and test (sample and analyze) and report the levels of the pollutants in your discharge. For all other pollutants addressed in Parts B and C, you must list the pollutant if you know or have reason to know that the pollutant is present in the discharge, and either report quantitative data for the pollutant or briefly describe the reasons the pollutant is expected to be discharged. (See specific instructions on the form and below for Parts A through C.) Base your determination that a pollutant is present in or absent from your discharge on your knowledge of your raw materials, material management practices, maintenance chemicals, history of spills and releases, intermediate and final products and byproducts, and any previous analyses known to you of your effluent or similar effluent.

**A. Sampling:** The collection of the samples for the reported analyses should be supervised by a person experienced in performing sampling of industrial wastewater or storm water discharges. You may contact EPA or your State permitting authority for detailed guidance on sampling techniques and for answers to specific questions. Any specific requirements contained in the applicable analytical methods should be followed for sample containers, sample preservation, holding times, the collection of duplicate samples, etc. The time when you sample should be representative, to the extent feasible, of your treatment system operating properly with no system upsets. Samples should be collected from the center of the flow channel, where turbulence is at a maximum, at a site specified in your present permit, or at any site adequate for the collection of a representative sample.

For pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, and fecal coliform, grab samples taken during the first 30 minutes (or as soon thereafter as practicable) of the discharge must be used (you are not required to analyze a flow-weighted composite for these parameters). For all other pollutants both a grab sample collected during the first 30 minutes (or as soon thereafter as practicable) of the discharge and a flow-weighted composite sample must be analyzed. However, a minimum of one grab sample may be taken for effluents from holding ponds or other impoundments with a retention period of greater than 24 hours.

All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches and at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Where feasible, the variance in the duration of the event and the total rainfall of the event should not exceed 50 percent from the average or median rainfall event in that area.

A grab sample shall be taken during the first thirty minutes of the discharge (or as soon thereafter as practicable), and a flow-weighted composite shall be taken for the entire event or for the first three hours of the event.

Grab and composite samples are defined as follows:

**Grab sample:** An individual sample of at least 100 milliliters collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge. This sample is to be analyzed separately from the composite sample.

**Flow-weighted Composite sample:** A flow-weighted composite sample may be taken with a continuous sampler that proportions the amount of sample collected with the flow rate or as a combination of a minimum of three sample aliquots taken in each hour of discharge for the entire event or for the first three hours of the event, with each aliquot being at least 100 milliliters and collected with a minimum period of fifteen minutes between aliquot collections. The composite must be flow proportional; either the time interval between each aliquot or the volume of each aliquot must be proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot. Aliquots may be collected manually or automatically. Where GC/MS Volatile Organic Analysis (VOA) is required, aliquots must be combined in the laboratory immediately before analysis. Only one analysis for the composite sample is required.

Data from samples taken in the past may be used, provided that:

All data requirements are met;

Sampling was done no more than three years before submission; and

All data are representative of the present discharge.

Among the factors which would cause the data to be unrepresentative are significant changes in production level, changes in raw materials, processes, or final products, and changes in storm water treatment. When the Agency promulgates new analytical methods in 40 CFR Part 136, EPA will provide information as to when you should use the new methods to generate data on your discharges. Of course, the Director may request additional information, including current quantitative data, if they determine it to be necessary to assess your discharges. The Director may allow or establish appropriate site-specific sampling procedures or requirements including sampling locations, the season in which the sampling takes place, the minimum duration between the previous measurable storm event and the storm event sampled, the minimum or maximum level of precipitation required for an appropriate storm event, the form of precipitation sampled (snow melt or rainfall), protocols for collecting samples under 40 CFR Part 136, and additional time for submitting data on a case-by-case basis.

**B. Reporting:** All levels must be reported as concentration and mass (note: grab samples are reported in terms of concentration). You may report some or all of the required data by attaching separate sheets of paper instead of filling out pages VII-1 and VII-2 if the separate sheets contain all the required information in a format which is constant with pages VII-1 and VII-2 in spacing and identification of pollutants and columns. Use the following abbreviations in the columns headed "Units."

Concentration		Mass	
ppm	parts per million	lbs	pounds
mg/l	milligrams per liter	ton	tons (English tons)
ppb	parts per billion	mg	milligrams
ug/l	micrograms per liter	g	grams
kg	kilograms	T	tonnes (metric tons)

All reporting of values for metals must be in terms of "total recoverable metal," unless:

(1) An applicable, promulgated effluent limitation or standard specifies the limitation for the metal in dissolved, valent, or total form; or

(2) All approved analytical methods for the metal inherently measure only its dissolved form (e.g., hexavalent chromium); or

(3) The permitting authority has determined that in establishing case-by-case limitations it is necessary to express the limitations on the metal in dissolved, valent, or total form to carry out the provisions of the CWA. If you measure only one grab sample and one flow-weighted composite

sample for a given outfall, complete only the “Maximum Values” columns and insert “1” into the “Number of Storm Events Sampled” column. The permitting authority may require you to conduct additional analyses to further characterize your discharges.

If you measure more than one value for a grab sample or a flow-weighted composite sample for a given outfall and those values are representative of your discharge, you must report them. You must describe your method of testing and data analysis. You also must determine the average of all values within the last year and report the concentration and mass under the “Average Values” columns, and the total number of storm events sampled under the “Number of Storm Events Sampled” columns.

- C. Analysis:** You must use test methods promulgated in 40 CFR Part 136; however, if none has been promulgated for a particular pollutant, you may use any suitable method for measuring the level of the pollutant in your discharge provided that you submit a description of the method or a reference to a published method. Your description should include the sample holding time, preservation techniques, and the quality control measures which you used. If you have two or more substantially identical outfalls, you may request permission from your permitting authority to sample and analyze only one outfall and submit the results of the analysis for other substantially identical outfalls. If your request is granted by the permitting authority, on a separate sheet attached to the application form, identify which outfall you did test, and describe why the outfalls which you did not test are substantially identical to the outfall which you did test.

#### **Part VII-A**

Part VII-A must be completed by all applicants for all outfalls who must complete Form 2F.

Analyze a grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results except use only grab samples for pH and oil and grease. See discussion in General Instructions to Item VII for definitions of grab sample collected during the first thirty minutes of discharge and flow-weighted composite sample. The “Average Values” column is not compulsory but should be filled out if data are available.

#### **Part VII B**

List all pollutants that are limited in an effluent guideline which the facility is subject to (see 40 CFR Subchapter N to determine which pollutants are limited in effluent guidelines) or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See discussion in General instructions to item VII for definitions of grab sample collected during the first thirty minutes (or as soon thereafter as practicable) of discharge and flow-weighted composite sample. The “Average Values” column is not compulsory but should be filled out if data are available.

Analyze a grab sample collected during the first thirty minutes of the discharge and flow-weighted composite samples for all pollutants in this Part, and report the results, except as provided in the General Instructions.

#### **Part VII-C**

Part VII-C must be completed by all applicants for all outfalls which discharge storm water associated with industrial activity, or that EPA is evaluating for designation as a significant contributor of pollutants to waters of the United States, or as contributing to a violation of a water quality standard. Use both a grab sample and a composite sample for all pollutants you analyze for in this part except use grab samples for residual chlorine and fecal coliform. The “Average Values” column is not compulsory but should be filled out if data are available. Part C requires you to address the pollutants in Table 2F-2, 2F-3, and 2F-4 for each outfall. Pollutants in each of these Tables are addressed differently.

**Table 2F-2:** For each outfall, list all pollutants in Table 2F-2 that you know or have reason to believe are discharged (except pollutants previously listed in Part VII-B). If a pollutant is limited in an effluent guideline limitation which the facility is subject to, the pollutant must be analyzed and reported in Part VII-B. If a pollutant in Table 2F-2 is indirectly limited by an effluent guideline limitation through an indicator (e.g., use of TSS as an indicator to control the discharge of iron and aluminum), you must analyze for it and report the data in Part VII-B. For other pollutants listed in Table 2F-2 (those not limited directly or indirectly by an effluent limitation guideline), that you know or have reason to believe are discharged, you must either report quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

**Table 2F-3:** For each outfall, list all pollutants in Table 2F-3 that you know or have reason to believe are discharged. For every pollutant in Table 2F-3 expected to be discharged in concentrations of 10 ppb or greater, you must submit quantitative data. For acrolein, acrylonitrile, 2,4 dinitrophenol, and 2-methyl-4,6 dinitrophenol, you must submit quantitative data if any of these four pollutants is expected to be discharged in concentrations of 100 ppb or greater. For every pollutant expected to be discharged in concentrations less than 10 ppb (or 100 ppb for the four pollutants listed above), then you must either submit quantitative data or briefly describe the reasons the pollutant is expected to be discharged.

**Small Business Exemption** - If you are a "small business," you are exempt from the reporting requirements for the organic toxic pollutants listed in Table 2F-3. There are two ways in which you can qualify as a small business". If your facility is a coal mine, and if your probable total annual production is less than 100,000 tons per year, you may submit past production data or estimated future production (such as a schedule of estimated total production under 30 CFR 795.14(c)) instead of conducting analyses for the organic toxic pollutants. If your facility is not a coal mine, and if your gross total annual sales for the most recent three years average less than \$100,000 per year (in second quarter 1980 dollars), you may submit sales data for those years instead of conducting analyses for the organic toxic pollutants. The production or sales data must be for the facility which is the source of the discharge. The data should not be limited to production or sales for the process or processes which contribute to the discharge, unless those are the only processes at your facility. For sales data, in situations involving intracorporate transfer of goods and services, the transfer price per unit should approximate market prices for those goods and services as closely as possible. Sales figures for years after 1980 should be indexed to the second quarter of 1980 by using the gross national product price deflator (second quarter of 1980=100). This index is available in National Income and Product Accounts of the United States (Department of Commerce, Bureau of Economic Analysis).

**Table 2F-4:** For each outfall, list any pollutant in Table 2F-4 that you know or believe to be present in the discharge and explain why you believe it to be present. No analysis is required, but if you have analytical data, you must report them. Note: Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed at 40 CFR 177.21 or 40 CFR 302.4) may be exempted from the requirements of section 311 of CWA, which establishes reporting requirements, civil penalties, and liability for cleanup costs for spills of oil and hazardous substances. A discharge of a particular substance may be exempted if the origin, source, and amount of the discharged substances are identified in the NPDES permit application or in the permit, if the permit contains a requirement for treatment of the discharge, and if the treatment is in place. To apply for an exclusion of the discharge of any hazardous substance from the requirements of section 311, attach additional sheets of paper to your form, setting forth the following information:

1. The substance and the amount of each substance which may be discharged.
2. The origin and source of the discharge of the substance.
3. The treatment which is to be provided for the discharge by;
  - a. An onsite treatment system separate from any treatment system treating your normal discharge;
  - b. A treatment system designed to treat your normal discharge and which is additionally capable of treating the amount of the substance identified under paragraph 1 above; or
  - c. Any combination of the above.

See 40 CFR 117.12(a)(2) and (c), published on August 29, 1979, in 44 FR 50766, or contact your Regional Office (Table I on Form 1, Instructions), for further information on exclusions from section 311.

#### **Part VII-D**

If sampling is conducted during more than one storm event, you only need to report the information requested in Part VII-D for the storm event(s) which resulted in any maximum pollutant concentration reported in Part VII-A, VII-B, or VII-C.

Provide flow measurements or estimates of the flow rate, and the total amount of discharge for the storm event(s) sampled, the method of flow measurement, or estimation. Provide the data and duration of the storm event(s) sampled, rainfall measurements, or estimates of the storm event which generated the sampled runoff and the duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

## Part VII-E

List any toxic pollutant listed in Tables 2F-2, 2F-3, or 2F-4 which you currently use or manufacture as an intermediate or final product or byproduct. In addition, if you know or have reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) is discharged or if you use or manufacture 2,4,5-trichlorophenoxy acetic acid (2,4,5,-T); 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5,-TP); 2-(2,4,5-trichlorophenoxy) ethyl, 2,2-dichloropropionate (Erbon); 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel); 2,4,5-trichlorophenol (TCP); or hexachlorophene (HCP); then list TCDD. The Director may waive or modify the requirement if you demonstrate that it would be unduly burdensome to identify each toxic pollutant and the Director has adequate information to issue your permit. You may not claim this information as confidential; however, you do not have to distinguish between use or production of the pollutants or list the amounts.

## Item VIII

Self explanatory. The permitting authority may ask you to provide additional details after your application is received.

## Item X

The Clean Water Act provides for severe penalties for submitting false information on this application form.

Section 309(c)(4) of the Clean Water Act provides that "Any person who knowingly makes any false material statement, representation, or certification in any application, . . . shall upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment for not more than 2 years, or by both. If a conviction of such person is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or by both." 40 CFR Part 122.22 requires the certification to be signed as follows:

**(A) For a corporation:** by a responsible corporate official. For purposes of this section, a responsible corporate official 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 employing more than 250 persons or having gross annual sales or expenditures exceeding \$25,000,000 (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

**Note:** EPA does not require specific assignments or delegation of authority to responsible corporate officers identified in 122.22(a)(1)(i) The Agency will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Director to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate position under 122.22(a)(1)(ii) rather than to specific individuals.

**(B) For a partnership or sole proprietorship:** by a general partner or the proprietor, respectively; or

**(C) For a municipality, State, Federal, or other public agency:** by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

**Table 2F-1  
Codes for Treatment Units**

**Physical Treatment Processes**

1-A	Ammonia Stripping	1-M	Grit Removal
1-B	Dialysis	1-N	Microstraining
1-C	Diatomaceous Earth Filtration	1-O	Mixing
1-D	Distillation	1-P	Moving Bed Filters
1-E	Electrodialysis	1-Q	Multimedia Filtration
1-F	Evaporation	1-R	Rapid Sand Filtration
1-G	Flocculation	1-S	Reverse Osmosis (Hyperfiltration)
1-H	Flotation	1-T	Screening
1-I	Foam Fractionation	1-U	Sedimentation (Setting)
1-J	Freezing	1-V	Slow Sand Filtration
1-K	Gas-Phase Separation	1-W	Solvent Extraction
1-L	Grinding (Comminutors)	1-X	Sorption

**Chemical Treatment Processes**

2-A	Carbon Adsorption	2-G	Disinfection (Ozone)
2-B	Chemical Oxidation	2-H	Disinfection (Other)
2-C	Chemical Precipitation	2-I	Electrochemical Treatment
2-D	Coagulation	2-J	Ion Exchange
2-E	Dechlorination	2-K	Neutralization
2-F	Disinfection (Chlorine)	2-L	Reduction

**Biological Treatment Processes**

3-A	Activated Sludge	3-E	Pre-Aeration
3-B	Aerated Lagoons	3-F	Spray Irrigation/Land Application
3-C	Anaerobic Treatment	3-G	Stabilization Ponds
3-D	Nitrification-Denitrification	3-H	Trickling Filtration

**Other Processes**

4-A	Discharge to Surface Water	4-C	Reuse/Recycle of Treated Effluent
4-B	Ocean Discharge Through Outfall	4-D	Underground Injection

**Sludge Treatment and Disposal Processes**

5-A	Aerobic Digestion	5-M	Heat Drying
5-B	Anaerobic Digestion	5-N	Heat Treatment
5-C	Belt Filtration	5-O	Incineration
5-D	Centrifugation	5-P	Land Application
5-E	Chemical Conditioning	5-Q	Landfill
5-F	Chlorine Treatment	5-R	Pressure Filtration
5-G	Composting	5-S	Pyrolysis
5-H	Drying Beds	5-T	Sludge Lagoons
5-I	Elutriation	5-U	Vacuum Filtration
5-J	Flotation Thickening	5-V	Vibration
5-K	Freezing	5-W	Wet Oxidation
5-L	Gravity Thickening		

**Table 2F-2**

**Conventional and Nonconventional Pollutants**

Bromide  
Chlorine, Total Residual  
Color  
Fecal Coliform  
Fluoride  
Nitrate-Nitrite  
Nitrogen, Total Organic  
Oil and Grease  
Phosphorus, Total  
Radioactivity  
Sulfate  
Sulfite  
Surfactants  
Aluminum, Total  
Barium, Total  
Boron, Total  
Cobalt Total  
Iron, Total  
Magnesium, Total  
Molybdenum, Total  
Manganese, Total  
Tin, Total  
Titanium, Total

**Table 2F-3****Toxic Pollutants****Toxic Pollutants and Total Phenol**

Antimony, Total  
 Arsenic, Total  
 Beryllium, Total  
 Cadmium, Total  
 Chromium, Total

Copper, Total  
 Lead, Total  
 Mercury, Total  
 Nickel, Total  
 Selenium, Total

Silver, Total  
 Thallium, Total  
 Zinc, Total  
 Cyanide, Total  
 Phenols, Total

**GC/MS Fraction Volatiles Compounds**

Acrolein  
 Acrylonitrile  
 Benzene  
 Bromoform  
 Carbon Tetrachloride  
 Chlorobenzene  
 Chlorodibromomethane  
 Chloroethane  
 2-Chloroethylvinyl Ether  
 Chloroform

Dichlorobromomethane  
 1,1-Dichloroethane  
 1,2-Dichloroethane  
 1,1-Dichloroethylene  
 1,2-Dichloropropane  
 1,3-Dichloropropylene  
 Ethylbenzene  
 Methyl Bromide  
 Methyl Chloride  
 Methylene Chloride

1,1,2,2,-Tetrachloroethane  
 Tetrachloroethylene  
 Toluene  
 1,2-Trans-Dichloroethylene  
 1,1,1-Trichloroethane  
 1,1,2-Trichloroethane  
 Trichloroethylene  
 Vinyl Chloride

**Acid Compounds**

2-Chlorophenol  
 2,4-Dichlorophenol  
 2,4-Dimethylphenol  
 4,6-Dinitro-O-Cresol

2,4-Dinitrophenol  
 2-Nitrophenol  
 4-Nitrophenol  
 p-Chloro-M-Cresol

Pentachlorophenol  
 Phenol  
 2,4,6-Trichlorophenol  
 2-methyl-4,6 dinitrophenol

**Base/Neutral**

Acenaphthene  
 Acenaphthylene  
 Anthracene  
 Benzidine  
 Benzo(a)anthracene  
 Benzo(a)pyrene  
 3,4-Benzofluoranthene  
 Benzo(ghi)perylene  
 Benzo(k)fluoranthene  
 Bis(2-chloroethoxy)methane  
 Bis(2-chloroethyl)ether  
 Bis(2-chloroisopropyl)ether  
 Bis(2-ethylhexyl)phthalate  
 4-Bromophenyl Phenyl Ether  
 Butylbenzyl Phthalate

2-Chloronaphthalene  
 4-Chlorophenyl Phenyl Ether  
 Chrysene  
 Dibenzo(a,h)anthracene  
 1,2-Dichlorobenzene  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 3,3'-Dichlorobenzidine  
 Diethyl Phthalate  
 Dimethyl Phthalate  
 Di-N-Butyl Phthalate  
 2,4-Dinitrotoluene  
 2,6-Dinitrotoluene  
 Di-N-Octylphthalate  
 1,2-Diphenylhydrazine (as Azobenzene)

Fluoranthene  
 Fluorene  
 Hexachlorobenzene  
 Hexachlorobutadiene  
 Hexachloroethane  
 Indeno(1,2,3-cd)pyrene  
 Isophorone  
 Napthalene  
 Nitrobenzene  
 N-Nitrosodimethylamine  
 N-Nitrosodi-N-Propylamine  
 N-Nitrosodiphenylamine  
 Phenanthrene  
 Pyrene  
 1,2,4-Trichlorobenzene

**Pesticides**

Aldrin  
 Alpha-BHC  
 Beta-BHC  
 Gamma-BHC  
 Delta-BHC  
 Chlordane  
 4,4'-DDT  
 4,4'-DDE  
 4,4'-DDD

Dieldrin  
 Alpha-Endosulfan  
 Beta-Endosulfan  
 Endosulfan Sulfate  
 Endrin  
 Endrin Aldehyde  
 Heptachlor  
 Heptachlor Epoxide  
 PCB-1242

PCB-1254  
 PCB-1221  
 PCB-1232  
 PCB-1248  
 PGB-1260  
 PCB-1016  
 Toxaphene

**Table 2F-4**

**Hazardous Substances**

**Toxic Pollutant**

Asbestos

**Hazardous Substances**

Acetaldehyde	Dinitrobenzene	Napthenic acid
Allyl alcohol	Diquat	Nitrotoluene
Allyl chloride	Disulfoton	Parathion
Amyl acetate	Diuron	Phenolsulfonate
Aniline .	Epichlorohydrin	Phosgene
Benzonitrile	Ethion	Propargite
Benzyl chloride	Ethylene diamine	Propylene oxide
Butyl acetate	Ethylene dibromide	Pyrethrins
Butylamine	Formaldehyde	Quinoline
Carbaryl	Furfural	Resorcinol
Carbofuran	Guthion	Stronthium
Carbon disulfide	Isoprene	Strychnine
Chlorpyrifos	Isopropanolamine	Styrene
Coumaphos	Kelthane	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Cresol	Kepone	TDE (Tetrachlorodiphenyl ethane)
Crotonaldehyde	Malathion	2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]
Cyclohexane	Mercaptodimethur	Trichlorofan
2,4-D (2,4-Dichlorophenoxyacetic acid)	Methoxychlor	Triethylamine
Diazinon	Methyl mercaptan	Trimethylamine
Dicamba	Methyl methacrylate	Uranium
Dichlobenil	Methyl parathion	Vanadium
Dichlone	Mevinphos	Vinyl acetate
2,2-Dichloropropionic acid	Mexacarbate	Xylene
Dichlorvos	Monoethyl amine	Xylenol
Diethyl amine	Monomethyl amine	Zirconium
Dimethyl amine	Naled	



# Instructions for Completing Ohio EPA Form 2S

## NPDES Permit Application for Sewage Sludge Use or Disposal

### Overview

This application has been developed to meet the requirements of **Title 40 Code of Federal Regulations Part 503 (40 CFR 503) - Standards for the Use or Disposal of Sewage Sludge**. The application form collects information from persons that are required to apply for a sewage sludge use or disposal permit.

### Who Must Submit Application Information?

The following applicants are required to submit sewage sludge permit application information:

- Any person who generates sewage sludge that is ultimately regulated by Part 503 (i.e., it is applied to the land, placed on a surface disposal site, fired in a sewage sludge incinerator), or placed in a municipal solid waste landfill unit;
- Any person who derives material from, or otherwise changes the quality of, sewage sludge (e.g., an intermediate treatment facility such as a composting facility, or a facility that processes sewage sludge for sale or give away in a bag or other container for application to the land), if that sewage sludge is used or disposed in a manner subject to Part 503; and
- Any person who generates sewage sludge that is sent to another facility that provides treatment or blending.

For purposes of this form, "you" refers to the applicant. "This facility" and "your facility" refer to the facility for which application information is being submitted. Facility should be interpreted to include activities potentially subject to regulation under the sewage sludge program – e.g., areas of sewage sludge treatment, storage, land application, surface disposal, or incineration, even if such activities do not occur at the same location.

### Definitions

All significant terms used in these instructions and in the form are defined in the glossary found in the *General Instructions* which accompany Form 1.

### Which Parts of The Form Apply?

Form 2S is presented in a modular format, enabling information collection to be tailored to your facility's sewage sludge generation, treatment, use, or disposal practices. Your application will not be considered complete unless you answer all applicable questions on this form and on Form 1. If a particular question does not apply to your treatment works, write "N/A" (meaning "not applicable") as your answer to that question. The form is divided into seven sections:

- Section I is general information to be provided by all applicants.
- Section II must be completed by any facility that generates sewage sludge for shipment off-site for treatment or blending.
- Section III must be completed by any facility that applies sewage sludge to the land.
- Section IV must be completed by any facility that places sewage sludge on a surface disposal site.
- Section V must be completed by any facility that places sewage sludge in a sewage sludge incinerator.
- Section VI must be completed by any facility that disposes of sewage sludge at a municipal solid waste landfill.

Complete Sections II through VI that apply. In each section, answer every question that applies to you. If a particular question does not apply, write "N/A" as your answer to that question.

### Section I: General Information

#### A. Treatment System Description

**A.1.** List all treatment units used for collecting, dewatering, storing or treating sewage sludge. Treatment units should be listed in order by selecting the proper code from Table 2S-1. Use "other" if no treatment code corresponds to a treatment unit you list. Provide the manufacturer for each treatment unit if applicable. This question does not request information on sewage sludge treatment at an off-site use

or disposal facility.

**A.2.** Attach to this form a line drawing, simple flow diagram, or narrative description that identifies all sewage sludge processes employed at the facility.

**A.3.** Indicate whether the facility is a Class I sludge management facility. A Class I sludge management facility is either:

- Any POTW required to have an approved pretreatment program under 40 CFR 403.8(a), including any POTW located in a State assuming local pretreatment program responsibilities pursuant to 40 CFR 403.10(e); or
- Any treatment works treating domestic sewage, as defined in 40 CFR 122.2, classified as a Class I sludge management facility by the EPA Regional Administrator, or, in the case of approved State programs, the Regional Administrator in conjunction with the State Director, because of the potential for its sewage sludge use or disposal practices to adversely affect public health and the environment.

**A.4.** Provide the facility's sewage sludge treatment design capacity (in dry tons per year). Design capacity in this case refers to the quantity of sewage sludge the treatment works was designed to treat on a yearly basis. Dry tons per year is calculated by first multiplying gallons of sludge produced for the design year by 8.34 lb/gal and the dry weight percent solids and then dividing by 2000 lb/ton. Calculations on a dry weight basis are based on the sewage sludge having been dried at 105 degrees Celsius until reaching a constant weight (i.e., essentially 100 percent solids content).

**A.5.** Provide the date of construction or last major modification of the sewage sludge treatment systems at your facility. A major modification is any construction project that required the issuance of a Permit to Install (PTI) by Ohio EPA.

## **B. Amount Generated On Site**

**B.1.** Provide the total amount of sewage sludge (in dry tons) generated for the most recent year at your facility. Report only the amount of sewage sludge that is generated during treatment of domestic sewage in a treatment works and not the amount of material that is derived from sewage sludge.

**B.2.** If your facility receives any sewage sludge from off-site facilities for further treatment (including blending), use, or disposal, provide the total dry tons received for the most recent year. For purposes of this form, an off-site facility is a facility or site that is located on land physically separated from your facility. "Off-site" may include facilities or sites that you own if they are not located on the same property or on adjacent property.

**B.3.** If your facility receives any domestic septage from residential septic systems, provide the total gallons received for the most recent year. Domestic septage is defined as either liquid or solid material removed from a septic tank, cesspool, portable toilet, type three marine sanitation device or similar treatment works that receives only domestic sewage. Domestic septage does not include liquid or solid material removed from a septic tank, cesspool, or similar treatment works that receives commercial or industrial wastewater and does not include grease removed from a grease trap at a restaurant.

## **C. Pollutant Concentrations**

Provide pollutant concentration data as follows:

- Submit the requested data from the most recent year for each of the pollutants listed in the appropriate section.
- Provide the average of three data points taken at least one month apart during the last two years. If existing data are not available for a pollutant, you must obtain and analyze at least one sample for that pollutant.
- In addition, if you have any available concentration data for pollutants not listed in the section you are completing, provide that data as well. If data for such additional pollutants are not available from the last two years, provide the most recent data.
- Express pollutant concentrations as dry weight concentrations.

The Part 503 sewage sludge use or disposal regulation requires the use of Test Method SW-846 (in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," Second and Third Editions) to analyze samples of sewage sludge for compliance with Part 503.

## **D. Sewage Sludge treatment and disposal characteristics**

Answer each question to determine which additional sections of the application apply to your facility. If you answer yes to any question you must complete the section listed in the parenthesis following the question. Complete all sections that apply to your facility.

## **Section II: Shipment Off Site for Treatment or Blending**

Complete this section if sewage sludge from your facility is hauled or conveyed to another facility for subsequent treatment or blending (i.e., it derives a material from sewage sludge). If you provide sewage sludge to more than one facility, complete Section II.B for each such facility. Attach additional pages as necessary.

**A.** Provide the total dry tons for the most recent year that is shipped off-site for treatment or blending.

**B. Information on off-site treatment or blending**

**B.1.** Provide the official or legal name of the facility receiving the sewage sludge. Do not use a colloquial name.

**B.2.** Provide the name, title, and work telephone number of the facility contact person. This should be an individual who is responsible for, or is familiar with, the operation of the facility receiving the sewage sludge.

**B.3.** Provide the physical location (street address) of the receiving facility. If the receiving facility lacks a street address or route number, provide the most accurate alternative geographic information (e.g., township and range, section or quarter section number, nearby highway intersection).

**B.4.** Provide the total amount (in dry tons) of your sewage sludge hauled to the receiving facility for the most recent year.

**Section III: Land Application of Bulk Sewage Sludge**

Complete this section if sewage sludge from your facility is land applied. Land application refers to sewage sludge that is sprayed or spread onto the land surface, injected below the land surface, or incorporated into the soil in order to condition the soil or fertilize crops or vegetation grown in the soil.

**A. Land Application General Information**

**A.1.** Provide the total amount (in dry tons) of sewage sludge that was land applied from your facility for the most recent year.

**A.2.** Provide total number of land application sites that are assigned an Ohio EPA site identification number. Ohio EPA's site identification number is the six-digit number used to identify a land application site.

**A.3.** Provide total acreage of land application sites that are assigned an Ohio EPA site identification number.

**A.4.** List all Ohio counties where you land apply sewage sludge.

**A.5.** If any land application sites are located in states other than Ohio, describe how you notify, or will notify, the respective permitting authorities.

**A.6.** Indicate if the sludge from your facility meets the ceiling concentrations in Table 1 of 40 CFR 503.13(b)(1) and the pollutant concentrations in Table 3 of 40 CFR

503.13(b)(3). If "yes", report the percentage of the total sludge produced from your facility that met this criteria over the previous year.

**A.7.** Indicate if the sludge from your facility meets the ceiling concentrations in Table 1 of 40 CFR 503.13(b)(1) but does not meet the pollutant concentrations in Table 3 of 40 CFR 503.13(b)(3). If "yes", report the percentage of the total sludge produced from your facility that met this criteria over the previous year.

**A.8.** Indicate the total percentage of sludge land applied for each class of pathogen reduction (Class A or Class B) that is achieved prior to land application. Options for meeting Class A pathogen reduction are listed at 40 CFR 503.32(a). Options for meeting Class B pathogen reduction are listed at 40 CFR 503.32(b).

**A.9.** Indicate the pathogen reduction alternative(s) achieved prior to land application. Options for meeting Class A pathogen reduction are listed at 40 CFR 503.32(a). Options for meeting Class B pathogen reduction are listed at 40 CFR 503.32(b).

**A.10.** Indicate the vector attraction reduction options achieved prior to or at the time of land application. Sewage sludge applied to agricultural land, a forest, a public contact site, or a reclamation site must meet one of the vector attraction reduction options 1-10, which are defined at 40 CFR 503.33(b) (1)-(10), respectively. Sewage sludge applied to a lawn or home garden, or placed in a bag or other container for sale or giveaway for application to the land, must meet any of options 1-8, defined at 40 CFR 503.33(b) (1)-(8), respectively. Options 1-8 are typically met at the point of sewage sludge generation, whereas Options 9, 10, and 11 are generally met at the point of use or disposal.

**A.11.** If you are a Class I sludge management facility, provide the Total Toxicity Equivalence (TTE) for all dioxin and dibenzofuran classes or 2, 3, 7, 8 dioxin/dibenzofuran congeners. Information on calculation of TTE may be obtained from the most recent edition of Ohio EPA "Land Application of Sludge Manual". If the results of your annual pretreatment report do not include this pollutant, you must obtain and analyze at least one sample for the pollutants.

**B. Spill Contingency Plan**

A spill contingency plan must be developed by all facilities that land apply sewage sludge.

**B.1.** Provide the date that your spill contingency plan was submitted to Ohio EPA.

**B.2.** If there have been any substantial modifications to the spill contingency plan, provide a copy of the modified plan to the appropriate district office.

## Section IV: Surface Disposal

Complete this section if sewage sludge from your facility is placed on a surface disposal site. A surface disposal site is an area of land that contains one or more active sewage sludge units. A sewage sludge unit is land on which only sewage sludge is placed for final disposal, excluding land on which sewage sludge is either stored or treated. If sewage sludge is placed on more than one surface disposal site, complete section IV.B for each such facility. Attach additional pages as necessary.

**A.** Provide the total amount (in dry tons) of your sewage sludge placed on surface disposal sites for the most recent year.

### ***B. Information on Active Sewage Sludge Units***

**B.1.** Provide the official or legal name of the facility receiving the sewage sludge. Do not use a colloquial name.

**B.2.** Provide the name, title, and work telephone number of the facility contact person. This should be an individual who is responsible for, or is familiar with, the operation of the facility receiving the sewage sludge.

**B.3.** Provide the physical location (street address) of the receiving facility. If the receiving facility lacks a street address or route number, provide the most accurate alternative geographic information (e.g., township and range, section or quarter section number, nearby highway intersection).

**B.4.** Provide the total amount (in dry tons) of your sewage sludge hauled to the receiving facility for the most recent year.

## Section V: Incineration

Complete this section if sewage sludge from your facility is fired in a sewage sludge incinerator. A sewage sludge incinerator is an enclosed device in which sewage sludge and auxiliary fuel are fired. If sewage sludge is fired in more than one facility, complete section V.B for each such facility. Attach additional pages as necessary.

**A.** Provide the total amount (in dry tons) of your sewage sludge fired in a sewage sludge incinerator for the most recent year.

### ***B. Information on Sewage Sludge Incinerators***

**B.1.** Provide the official or legal name of the facility receiving the sewage sludge. Do not use a colloquial name.

**B.2.** Provide the name, title, and work telephone number of the facility contact person. This should be an individual who is responsible for, or is familiar with, the operation of the

facility receiving the sewage sludge.

**B.3.** Provide the physical location (street address) of the receiving facility. If the receiving facility lacks a street address or route number, provide the most accurate alternative geographic information (e.g., township and range, section or quarter section number, nearby highway intersection).

**B.4.** Provide the total amount (in dry tons) of your sewage sludge hauled to the receiving facility for the most recent year.

## Section VI: Disposal at a Municipal Solid Waste Landfill

Complete this section if sewage sludge from your facility is placed on a municipal solid waste landfill (MSWLF) unit. A MSWLF unit is a discrete area of land or an excavation that receives household waste, and that is not a land application unit, surface impoundment, injection well, or waste pile, as those terms are defined under 40 CFR 257.2. A MSWLF unit also may receive other types of RCRA subtitle D wastes, such as commercial solid waste, nonhazardous sludge, small quantity generator waste and industrial solid waste. Such a landfill may be publicly or privately owned. If sewage sludge from your facility is placed on more than one MSWLF, complete Section VI.B for each such facility. Attach additional pages as necessary.

**A.** Provide the total amount (in dry tons) of your sewage sludge placed on all MSWLF for the most recent year.

### ***B. Information on Municipal Solid Waste Landfill***

**B.1.** Provide the official or legal name of the facility receiving the sewage sludge. Do not use a colloquial name.

**B.2.** Provide the name, title, and work telephone number of the facility contact person. This should be an individual who is responsible for, or is familiar with, the operation of the facility receiving the sewage sludge.

**B.3.** Provide the physical location (street address) of the receiving facility. If the receiving facility lacks a street address or route number, provide the most accurate alternative geographic information (e.g., township and range, section or quarter section number, nearby highway intersection).

**B.4.** Provide the total amount (in dry tons) of your sewage sludge hauled to the receiving facility for the most recent year.

## Section VII: Certification

All permit applications must be signed and certified in accordance with 40 CFR 122.22 and Ohio Administrative Code, Chapter 3745-33-03. An application submitted by a municipality, State, Federal, or other public agency must be signed by either a principal executive officer or ranking elected official. A principal executive officer of a Federal agency includes: (1) the chief executive officer of the agency; or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA). An application submitted by a corporation must be signed by a responsible corporate officer. A responsible corporate officer means: (1) a president, secretary, treasurer, or vice president in charge of a principal business function, or any other person who performs similar policy- or decision-making functions; or (2) the manager of manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. An application submitted by a partnership or sole proprietorship must be signed by a general partner or the proprietor, respectively.

**Table 2S-1  
Sludge Handling Codes**

Sludge Treatment Unit		
	Aerobic Digestion - Air	92
	Aerobic Digestion - Oxygen	93
	Anaerobic Digestion	94
	Composting	95
	Heat Treatment	96
	Air Drying	A1
	Sludge Lagoons	A2
	Mechanical Dewatering - Vacuum Filter	A3
	Mechanical Dewatering - Centrifuge	A4
	Mechanical Dewatering - Filter Press	A5
	Gravity Thickening	A6
	Air Flotation Thickening	A8
	Polymer, Lime, Ferric-Chloride, Alum Addition	B1
	Digester Gas Utilization Facilities	B9
	Heat Recovery and Utilization	C1
	Chlorinate Oxidation (Purifax)	97
	Lime Stabilization	98
	Wet Air Oxidation	99
	Elutriation	A7
	Other Dewatering	A9
	Other Sludge Treatment	C2
	Incineration - Multiple Hearth	B2
	Incineration - Fluidized Bed	B3
	Incineration - Rotary Kiln	B4
	Pyrolysis	B5
	Co-Incineration with Solid Waste	B6
	Co-Pyrolysis with Solid Waste	B7
	Land Spreading	C4
	Landfill	C3
	Distribution and/or Marketing of Sludge	C6

<b>Pollutant</b>	<b>503.13 Table 1 Ceiling Concentration Limits for Land Application (mg/kg)</b>	<b>503.13 Table 2 Cumulative Pollutant Limits for Land Application (kg/ha)</b>	<b>503.13 Table 3 Pollutant Concentration Limits for Land Application (mg/kg)</b>
Arsenic	75	41	41
Cadmium	85	39	39
Copper	4,300	1,500	1,500
Lead	840	300	300
Mercury	57	17	17
Molybdenum	75	-	-
Nickel	420	420	420
Selenium	100	100	36
Zinc	7,500	2,800	2,800



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## Instructions for Applying to Modify An Ohio EPA Individual NPDES Permit

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### Requirements

As indicated in your NPDES permit, you must notify Ohio EPA if you have a facility expansion, production increase or process modification that results in new or increased discharges of pollutants. [See Ohio Administrative Code Rules 3745-33-04(D) and 3745-33-08(A)(2)]. A permit modification is required if the new or increased discharges would require new or increased permit limits. A modification may also be required if new information about the discharge reveals discharges of pollutants that were not identified in your NPDES application, or if you wish to change monitoring requirements, compliance schedules or special requirements.

### Procedures for Filing

Copies of all forms are available at Ohio EPA District Offices or on Ohio EPA's web site, [www.epa.ohio.gov/dsw/formspubs.aspx](http://www.epa.ohio.gov/dsw/formspubs.aspx). Data submitted on these forms will be used as a basis for granting or denying requested modifications. Depending on the adequacy and nature of the data submitted, you might be called upon for additional information before a modification is allowed. [See Ohio Administrative Code Rule 3745-33-04(D)].

### Signature on Application

An application submitted to the Ohio EPA shall be signed as follows [Ohio Administrative Code Rule 3745-33-03(D)]:

1. In the case of a corporation, by a responsible corporate officer. For these purposes, a responsible corporate officer means:

(a) 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

(b) The manager of one or more manufacturing, production or operating facilities, provided facility having explicit or implicit duty of making major capital investment recommendations, and initiating the manager is authorized to make management decisions which govern the operation of the regulated and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information

for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2. In the case of a partnership, by a general partner.

3. In the case of a sole proprietorship, by the proprietor.

4. In the case of a municipal, state, or other public facility, by either the principal executive officer, the ranking elected official or other duly authorized employee.

If the documents delegating signatory responsibilities have not been filed with Ohio EPA, a copy of this delegated authority must accompany this application.

### Antidegradation Rule Requirements

All applications must be accompanied by an Antidegradation Addendum form. If the modification request includes an increase in pollutant loadings, an antidegradation review may be required under Ohio Administrative Code Rule 3745-1-05. Loading increases subject to antidegradation reviews are identified in OAC Rule 3745-1-05(B). Requests for loading increases must include a socio-economic justification unless an exclusion or waiver listed in OAC Rule 3745-1-05(D) applies.

### Use of Information

All information contained in this application will, upon request, be made available to the public for inspection and copying. If you believe that any information contained in your application is a trade secret and is entitled to confidential status, notify the appropriate Ohio EPA District Office. However, in no event will amounts or contents of discharges or the quality of receiving waters be recognized as confidential information, except in certain cases involving the national security.

### Permit Fees

Ohio Revised Code § 3745.11 requires that a non-refundable application fee of \$200.00 accompany this application. The check should be made payable to the "Treasurer of the State of Ohio".

There is also a permit issuance fee, based on discharge flow, of up to \$375.00 that will be billed to you after issuance of the modification.



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## Instructions for Applying to Transfer An Ohio EPA Individual NPDES Permit

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These instructions outline the procedure for transferring the responsibility, coverage, and liability of an individual NPDES permit. Following this procedure ensures the administrative record accurately reflects the transfer and obtains sufficient information to allow a decision to: (1) revoke and reissue the permit, (2) modify the permit, or (3) issue an administrative name change.

An Ohio NPDES permit is transferable. The transfer of any permit and its associated responsibility, coverage, and liability is subject to the approval of the director. No permit may be transferred unless the permittee and transferee file, through the district office, an agreement that includes a specific date for the transfer of permit responsibility, coverage, and liability on Ohio EPA Form 4234, *Application for Transfer of NPDES Permit*. The agreement must be signed by the permittee and the transferee. The form will request relevant ownership and operator biographic information and authorization for signatures and certification as required by OAC 3745-33-03 and 40 CFR Part 122.22.

Ohio EPA will usually issue a letter along with a revised NPDES permit that changes the name of the permit holder and occasionally the facility number. Alternatively, the director of Ohio EPA may exercise his option to modify or revoke the permit and require that a new application be filed. The permittee and transferee will be notified in writing of the director's decision within thirty days of receipt of the permit transfer form, or within sixty days of receipt of the intent to transfer the permit.

### A. Permittee Responsibilities

1. Notification of any proposed permit transfer shall be provided to Ohio EPA district office no less than sixty days prior to the proposed date of transfer.

(a) The notice to Ohio EPA shall consist of a copy of a letter informing the transferee of the existence of the permit; or, in lieu of notice, the form in item 2, below.

(b) The notice must state the permit number, proposed date of transfer, and the names and addresses of the permittee (the transferor) and the transferee.

2. Upon receipt of the notice of intent to transfer a permit, the district office will send a permit transfer form (EPA

4234) and instructions to the permittee. The permittee shall complete the form, which includes a specific date for transfer of the permit responsibility, coverage, and liability, as well as other pertinent information. The form shall be signed by the permittee and transferee.

3. The permit transfer form shall be submitted by the transferee no less than thirty days prior to the proposed date of transfer.

(a) If the transferee proposes any significant changes resulting from the transfer, which may alter the characteristics or volume of the discharge, the transferee must comply with the provisions for plan approval and permits to install under OAC 3745-42.

### B. Ohio EPA Responsibilities

1. Upon receipt of notification of intent to transfer the permit, the district office will acknowledge receipt and forward the appropriate form(s) and instructions to the transferee.

(a) Upon acceptance of the completed permit transfer form, the district will make a recommendation to allow the transfer to occur and draft a revised permit or deny the transfer based on significant concerns that such transfer will jeopardize compliance with the terms and conditions of the permit.

(b) The district office will forward the transfer package and recommendation to the central office permits unit for review and approval. The actions will be properly processed, public noticed, and issued in accordance with procedural rules and due process as required by ORC 3745.

### C. Unauthorized Transfers

Permittees that have transferred ownership or operations of facilities without transferring the permit responsibility, coverage, and liability are responsible for the permit until a transfer is approved. When an unauthorized transfer is discovered, the district office will contact the current facility owner/operator and inform them of the requirements regarding permit transfer. The current owner/operator will have sixty days to submit a completed permit transfer form. The decision to allow the transfer will be processed in accordance with part (B) of this procedure.