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United States Environmental Protection Agency | Office of Water Washington, D.C. | OMB No. 2040-0004 Expires 07/31/2026

Water Permits Division

Application Form 2D

New Manufacturing, Commercial, Mining, and Silvicultural Operations That Have Not Yet Commenced Discharge of Process Wastewater

NPDES Permitting Program

Note: Complete this form ***and*** Form 1 if your facility is a new manufacturing, commercial, mining, or silvicultural facility that has yet to commence discharge of process wastewater.

Paperwork Reduction Act Notice

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory (40 CFR 122.21). 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. The public reporting and recordkeeping burden for this collection of information is estimated to be 2.7 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 to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 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.

General Instructions

Who Must Complete Form 2D?

You must complete Form 2D if you answered "Yes" to Item 1.2.3 on Form 1—that is, if you are a new manufacturing, commercial, mining, or silvicultural facility that has yet to commence discharge of process wastewater.

Where to File Your Completed Forms?

Submit your completed application package (Forms 1 and 2D) to your National Pollutant Discharge Elimination System (NPDES) permitting authority. Consult Exhibit 1–1 of Form 1's "General Instructions" to identify your NPDES permitting authority.

Public Availability of Submitted Information

The U.S. Environmental Protection Agency (EPA) will make information from NPDES permit application forms available to the public for inspection and copying upon request. You may not claim any information on Form 2D (or related attachments) as confidential.

You may make a claim of confidentiality for any information that you submit to EPA that goes beyond the information required by Form 2D. Note that NPDES permitting authorities will deny claims for treating any effluent data (estimated or actual) as confidential. If you do not assert a claim of confidentiality at the time you submit your information to the NPDES permitting authority, EPA may make the information available to the public without further notice to you. EPA will handle claims of confidentiality in accordance with its business confidentiality regulations at Part 2 of Title 40 of the *Code of Federal Regulations* (CFR).

Completion of Forms

Print or type in the specified areas only. If you do not have enough space on the form to answer a question, you may continue on additional sheets, as necessary, using a format consistent with the form.

Do not leave any response areas blank unless the form directs you to skip them. If the form directs you to respond to an item that does not apply to your facility or activity, enter "NA" for "not applicable" to show that you considered the item and determined a response was not necessary for your facility.

The NPDES permitting authority will consider your application complete when it and any supplementary material are received and completed according to the authority's satisfaction. The NPDES permitting authority will judge the completeness of any application independently of the status of any other permit application or permit for the same facility or activity.

Follow-up Requirements

Form 2D requires that you submit estimated data on your effluent. Note that no later than 24 months after you commence discharging from the proposed facility, you must complete and submit Section 7 of NPDES Application Form 2C; see requirements at 40 CFR 122.21(g)(7). However, you need not complete those portions of Section 7 that require tests you have already performed under the discharge monitoring requirements of your NPDES permit.

Definitions

The legal definitions of all key terms used in these instructions and Form 2D are in the "Glossary" at the end of the "General Instructions" in Form 1.

Line-by-Line Instructions

EPA Identification Number, Facility Name, and Outfall Number

Provide your EPA Identification Number from the Facility Registry Service and facility name at the top of each page of Form 2D and any attachments. If you do not know your EPA Identification Number, contact your NPDES permitting authority. See Exhibit 1–1 of Form 1's "General Instructions" for contact information. Additionally, for Tables A through E, provide the applicable outfall number at the top of each page.

Section 1. Expected Outfall Location

Item 1.1. Identify each of the facility's outfall structures by number. For each outfall, specify the latitude and longitude to the nearest 15 seconds or equivalent decimal degrees (e.g., 38.893829, -77.029289) and name of the receiving water. The application form provides reporting space for three outfalls. If your facility has more than this number, attach additional sheets as necessary. The location of each outfall (i.e., where the coordinates are collected) shall be the point where the discharge is released into a water of the United States. Latitude and longitude coordinates may be obtained in a variety of ways, including use of hand held devices (e.g., a GPS enabled smartphone), internet mapping tools (e.g., https://mynasadata.larc.nasa.gov/latitudelongitude-finder/), geographic information systems (e.g., ArcView), or paper maps from trusted sources (e.g., U.S. Geological Survey or USGS). For further guidance, refer to http://www.epa.gov/geospatial/latitudelongitude-data-standard.

Section 2. Expected Discharge Date

Item 2.1. Report the expected date the facility will commence discharging (month, day, and year).

Section 3. Average Flows and Treatment

Item 3.1. For each outfall, report the operations expected to contribute wastewater to the effluent and an estimated average flow from each. Briefly describe the planned wastewater treatment for each operation or list the applicable treatment code(s) from Exhibit 2D–1, located at the end of these instructions. Finally, for each operation, note the ultimate disposal of any solid or liquid wastes not expected to be discharged.

Section 4. Line Drawing

Item 4.1. Attach a line drawing showing the expected water flow through your facility, from intake to discharge. Indicate the sources of intake water (e.g., city, well, stream, other); all sources of wastewater contributing to the effluent, including process and production areas, sanitary flows, cooling water, and stormwater runoff; and labeled treatment units. You may group similar operations into a single unit.

Construct a water balance on the line drawing by showing average flows (specify units) between intakes, operations, treatment units, and outfalls. Show all significant losses of water to products, the atmosphere, and discharge. You should use your best estimate. If you cannot determine a water balance for your activities (such as mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection and treatment measures. An example of an acceptable line drawing is provided in Exhibit 2D–2 at the end of these instructions.

Section 5. Intermittent or Seasonal Flows

Item 5.1. Specify whether any of the expected discharges described in Sections 1 and 3 will be intermittent or seasonal. If yes, continue to Item 5.2. If no, skip to Section 6.

Item 5.2. List applicable outfalls that will have intermittent or seasonal flows. For each, indicate the operations that will contribute to the flow. For each operation, indicate the average days per week and average months per year the discharge will occur, the maximum daily flow rate, the maximum total volume, and the duration of the discharge in days. The estimated flow rate and volume should not include stormwater runoff, spillage, or leaks. 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 frequency is the average recurrence rate of the discharge (in days per week and months per year). The duration is the average value of the time duration during which the discharge occurs (in days).

The maximum daily flow rate is the highest daily value and should be reported in million gallons per day (mgd). Maximum total volume means the total volume of any one discharge within 24 hours and is measured in units such as gallons.

Section 6. Production

Item 6.1. Indicate whether any effluent limitation guidelines (ELGs) promulgated under Section 304 of the Clean Water Act (CWA) apply to your facility. All ELGs promulgated by EPA appear in the *Federal Register* and are published annually in 40 CFR Subchapter N. See also www.epa.gov/eg. An ELG applies if you have any operations contributing process wastewater in any subcategory covered by New Source Performance Standards (NSPS). If you are unsure whether you are covered by a promulgated ELG, consult your NPDES permitting authority (see Exhibit 1–1 of Form 1's "General Instructions"). You must check "Yes" if an applicable ELG has been promulgated, even if the ELG is being contested in court. If you believe that a promulgated ELG has been remanded for reconsideration by a court and does not apply to your operations, you may answer "No" to item 6.1 and skip to Section 7.

Item 6.2. Complete Item 6.2 by indicating the applicable ELG category, ELG subcategory, and corresponding regulatory citation. See the example below.

		ELG Category	ELG Subcategory	Regulatory Citation
Applicable ELGs	6.2	Pulp, Paper, and Paperboard Point Source Category	Secondary Fiber Non-Deink Subcategory	40 CFR 430, Subpart J

Item 6.3. Indicate whether the limitations in the applicable ELGs are expressed in terms of production (or other measure of operation). An ELG is expressed in terms of production (or another measure of operation) if the limitation is expressed as mass of pollutant per operational parameter (e.g., "pounds of biological oxygen demand per cubic foot of logs from which bark is removed" or "pounds of total suspended solids per megawatt hour of electrical energy consumed by smelting furnace"). An example of an ELG not expressed in terms of a measure of operation is one that limits the concentration of pollutants. If you answer "No" to this item, skip to Section 7.

Item 6.4. For each applicable outfall to which an applicable production-based ELG applies, list the estimated level of production (projection of actual production level, not design), for each of the first three years of operation. The estimated production level 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, you may report alternative production estimates, but you must provide the basis for such alternatives. If known, report quantities in units of measurements used in the applicable ELG. If an ELG specifies a method for estimating production, you must follow that method.

Section 7. Effluent Characteristics and Tables A through E

General Information. Section 7 requires you to report *estimated* flow data for the parameters and pollutants listed in Tables A through E, located at the end of Form 2D. You are *not* required to conduct actual sampling and analysis at this time. If, however, data from such analyses are available, you must report those data. Note that no later than 24 months after you begin discharging from the proposed facility, you must complete and submit quantitative data for the pollutants and parameters in Tables A through E. However, you need not report results for tests you have already performed and reported under the discharge monitoring requirements of your NPDES permit.

Complete a set of tables (Tables A through E) for each outfall at your facility. Be sure to note the EPA Identification Number, facility name, and outfall number at the top of each table page and any associated attachments.

Tables A through D require you to report estimated effluent data, with some exceptions, as discussed further below. Base your estimates on available in-house or contractor engineering reports or any other studies performed on the proposed facility. Table E requires you to report quantitative data for the pollutants listed, but only if it is already available.

Several tables require you to provide estimates for pollutants you believe will be present in your discharge or will be limited directly by an ELG or indirectly through promulgated limitations on an indicator pollutant. 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 any pollutant (you are required to report it).

For those pollutants you believe will be present in the discharge, provide the maximum daily and average daily concentration *and* total mass and the source of the information. Use the following codes to report your source information:

Data Source	Code
Engineering report	1
Actual data from pilot plants	1
Estimates from other engineering reports	2
Data from other similar plants	3
Best professional estimates	4
Others	5 and specify on the table

You may report some or all of your estimates (or actual data when available) by attaching separate sheets of paper instead of completing Tables A through E for each of your outfalls, so long as the sheets contain all of the required information and are similar in format to Tables A through E.

Reporting of Intake Data

If you expect a pollutant to be present solely because of its presence in your intake water, you must mark "Yes" under the "Intake Water" column of Tables A through D. If you wish to obtain credits for pollutants or parameters present in your intake water, insert a separate sheet with a short statement of why you believe you are eligible (see 40 CFR 122.45(g)).

Reporting of Effluent Data

Report all estimated pollutant or parameter levels as concentration *and* as total mass, with the exception of discharge flow, temperature, and pH.

Use the following abbreviations in the columns requiring "units" in Tables A through E.

Concentration	Mass
ppm = parts per million	lbs. = pounds
mg/L = milligrams per liter	ton = tons (English tons)
ppb = parts per billion	mg = milligrams
µg/L = micrograms per liter	g = grams
MPN = most probable number per 100 milliliters	kg = kilograms T = tonnes (metric tons)

Conventional and Non-Conventional Parameters

Item 7.1 and Table A. All applicants are required to complete Table A for each outfall, including outfalls discharging only noncontact cooling water or nonprocess water *unless* a waiver has been received or requested from the NPDES permitting authority. For each parameter listed in Table A, indicate whether a waiver has been requested. If you have requested a waiver for *all* pollutants for a given outfall, check the box indicating this at the top of Table A.

To request a waiver, submit a written request to the NPDES permitting authority in advance or with the permit application. The written request should specify the parameters that should be waived and for what outfall(s) and why. The NPDES permitting authority may waive Table A requirements upon a determination that less stringent reporting requirements are adequate to support issuance of an NPDES permit. Attach a copy of any waiver approval notice(s) received, if applicable, to this application.

Answer Item 7.1 by indicating if you are requesting a waiver for any of your outfalls. If yes, continue to Item 7.2. Otherwise, complete Table A by estimating your maximum daily and average daily discharge. Provide the source(s) of your information. Also in Table A, indicate whether you believe each of the parameters will be present in the facility's intake water. See "Reporting of Intake Data" above for further information. Skip to Item 7.3.

Item 7.2. Indicate the outfalls for which you have requested a waiver or check the appropriate box to indicate that you are requesting a waiver for some or all pollutants at all outfalls.

Item 7.3. Indicate if you have provided estimates or actual data for all Table A parameters for each of your outfalls for which a waiver has not been requested and attach the results to your application package.

Certain Conventional and Non-Conventional Pollutants

Items 7.4, 7.5 and 7.6 and Table B. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table B if you believe *all* pollutants listed will be absent in the discharge. If so, you do not need to complete Table B for the noted outfall. (You still need to complete Items 7.4 through 7.6.) Otherwise, for *each* pollutant listed in Table B, indicate whether you expect it will be present or absent in the discharge or whether the pollutant is limited directly by an ELG or indirectly through promulgated limitations or an indicator pollutant. (For example, total suspended solids is used as an indicator to control the discharge of iron and aluminum.) Next, provide an estimated maximum daily and average daily value, including the source of the information. If you have quantitative data available, report it. Also in Table B, indicate whether you believe the listed pollutants will be present in the facility's intake water. See "Reporting of Intake Data" above for further information. Answer "Yes" to Items 7.4 through 7.6 once you have completed the above tasks.

Toxic Metals, Total Cyanide, and Total Phenols

Items 7.7 and 7.8 and Table C. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table C if you believe *all* pollutants listed will be absent in the discharge. If so, you do not need to complete Table C for the noted outfall (unless you have quantitative data available). You still need to respond to Items 7.7 and 7.8, however. Otherwise, indicate whether you believe each pollutant in Table C will be present or absent in your discharge for each applicable outfall. For those pollutants you believe will be present, provide an estimated maximum daily and average daily value and source of the information. (Provide quantitative data if you have them available.) Also, in Table C, indicate whether you believe the pollutant is or will be present in your facility's intake water. See "Reporting of Intake Data" above for more information. Answer "Yes" to Items 7.7 and 7.8 when you have completed the above tasks.

Organic Toxic Pollutants
(Gas Chromatography/Mass Spectrometry or GC/MS Fractions)

Item 7.9. Applicants are exempt from the reporting requirements associated with Table D if they expect to have gross sales of less than $100,000 per year for the next three years; also exempt are coal mines with expected average production of less than 100,000 tons of coal per year. If you believe you meet one of these criteria, answer "Yes" to Item 7.9, check the small business box at the top of Table D, and attach projected sales or production figures. Skip to Item 7.12.

The sales or production figures must be for the facility that will be the source of the discharge. The data should not be limited only to production or sales for the process or processes that will contribute to the discharge, unless those are the only processes at the facility.

For sales data, where intra-corporate transfers of goods and services will be involved, the transfer price per unit should approximate market process 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. You may accomplish this by using the gross national product price deflator (second quarter of 1980 = 100). This index is available online from the U.S. Department of Commerce, Bureau of Economic Analysis, at https://apps.bea.gov/national/pdf/SNTables.pdf.

Items 7.10 and 7.11 and Table D. Complete one table for each outfall, including outfalls discharging only noncontact cooling water or nonprocess wastewater. Check the box at the top of Table D if you believe *all* pollutants listed will be absent in the discharge from the outfall. If so, you do not need to complete Table D for the noted outfall (unless you have quantitative data available). Otherwise, for *each* pollutant listed, indicate whether you believe it will be present or absent in the discharge. For those you believe will be present, provide an estimated maximum daily and average daily value and the source of the information. Also, in Table D, indicate whether you believe the pollutant is or will be present in your facility's intake water. See "Reporting of Intake Data" above for further information. Finally, answer "Yes" to Items 7.10 and 7.11 when you have completed the above tasks.

2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)

Item 7.12. Answer whether the facility uses or manufactures one or more of the 2,3,7,8-TCDD congeners listed below or if you know or have reason to believe that TCDD is or may be present in effluent from any of your outfalls:

- 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) (CAS # 93-765).
- 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) (CAS # 93-72-1).
- 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) (CAS # 136-25-4).
- 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) (CAS # 299-84-3).
- 2,4,5-trichlorophenol (TCP) (CAS # 95-95-4).
- Hexachlorophene (HCP) (CAS # 70-30-4).

Certain Hazardous Substances and Asbestos

Table E. Complete Table E for each outfall. Check the box at the top of Table E if you believe *all* pollutants listed will be absent in the discharge. Otherwise, for *each* pollutant listed in Table E, indicate whether you believe it will be present or absent in the discharge. If you have quantitative estimates available for any of the pollutants listed, provide the maximum daily and average daily average value and the source of the information. Also, in Table E, if you believe the pollutant is or will be present in your facility's intake water, state so in the "Reason Pollutant Believed Present in Discharge" column.

Item 7.13. Indicate whether, for each of your outfalls, you have indicated whether you know or have reason to believe that any pollutants listed in Table E are discharged.

Item 7.14. Indicate whether, for each of your outfalls, you have completed and attached Table E to the application describing the reasons the applicable pollutants are expected to be discharged and providing quantitative data if available.

Under 40 CFR 117.12(a)(2), certain discharges of hazardous substances (listed in Exhibit 2D–3 at the end of these instructions) may be exempted from the requirements of Section 311 of the 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 can 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.

Exemptions are allowed from the requirements of CWA Section 311. Applications for exemptions must set forth the following information:

1. The substance and the amount of each substance that may be discharged.

2. The origin and source of the discharge of the substance.
3. The treatment 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 that 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) or contact your NPDES permitting authority for further information on exclusions from CWA Section 311.

Intake Credits

Item 7.15. Answer whether you are seeking to obtain credits for any of the pollutants or parameters listed in Section 7 (Tables A through E) in your intake water for any of the facility's outfalls.

Section 8. Engineering Report

Item 8.1. Indicate if any technical evaluations have been conducted of your wastewater treatment, including engineering reports or pilot plant studies. If yes, continue to Item 8.2. If no, skip to Item 8.3.

Item 8.2. Attach the technical evaluation(s) you considered when responding to Item 8.1 and any related documentation, then answer "Yes" to Item 8.2. The NPDES permit writer will use this information to determine appropriate treatment methods and associated permit conditions and limits.

Item 8.3. Answer "Yes" if you are aware of any existing plant(s) that resemble your production processes, wastewater constituents, or wastewater treatment. If you are unaware of such plants, answer "No" and skip to Section 9.

Item 8.4. Provide the names and locations of any existing plants that resemble your production facility. You do not need to conduct any studies to respond to this item.

Section 9. Other Information

Item 9.1. Indicate whether you have attached to the application any optional information that you would like considered as part of the application review process. These should be items beyond those you have already noted as being included in the package. Skip to Section 10 if you do not have further information to provide.

Item 9.2. List the additional materials attached and note why you think the NPDES permitting authority should consider them when reviewing your application and developing your permit.

Section 10. Checklist and Certification Statement

Item 10.1. Review the checklist provided. In column 1, mark the sections of Form 2D that you have completed and are submitting with your application. For each section, indicate in column 2 whether you are submitting attachments.

Item 10.2. The CWA provides for severe penalties for submitting false information on this application form. Section 309(c)(2) of the CWA 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."

FEDERAL REGULATIONS AT 40 CFR 122.22 REQUIRE THIS APPLICATION TO BE SIGNED AS FOLLOWS:

A. For a corporation, by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) 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 (2) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating 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.

B For a partnership or sole proprietorship, by a general partner or the proprietor, respectively.

C. For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official. For purposes of this section, 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).

END

Submit your completed Form 1, Form 2D, and all associated attachments (and any other required NPDES application forms) to your NPDES permitting authority.

Exhibit 2D–1. Codes for Treatment Units and Disposal of Wastes Not Discharged

1. 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
1–J ..... Freezing
1–K ..... Gas-phase separation
1–L ..... Grinding (*comminutors*)
1–M ..... Grit removal
1–N ..... Microstraining
1–O ..... Mixing
1–P ..... Moving bed filters
1–Q ..... Multimedia filtration
1–R ..... Rapid sand filtration
1–S ..... Reverse osmosis (*hyperfiltration*)
1–T ..... Screening
1–U ..... Sedimentation (*settling*)
1–V ..... Slow sand filtration
1–W ..... Solvent extraction
1–X ..... Sorption

2. CHEMICAL TREATMENT PROCESSES

2–A ..... Carbon adsorption
2–B ..... Chemical oxidation
2–C ..... Chemical precipitation
2–D ..... Coagulation
2–E ..... Dechlorination
2–F ..... Disinfection (*chlorine*)
2–G ..... Disinfection (*ozone*)
2–H ..... Disinfection (*other*)
2–I ..... Electrochemical treatment
2–J ..... Ion exchange
2–K ..... Neutralization
2–L ..... Reduction

3. BIOLOGICAL TREATMENT PROCESSES

3–A ..... Activated sludge
3–B ..... Aerated lagoons
3–C ..... Anaerobic treatment
3–D ..... Nitrification–denitrification
3–E ..... Pre-aeration
3–F ..... Spray irrigation/land application
3–G ..... Stabilization ponds
3–H ..... Trickling filtration

4. OTHER PROCESSES

4–A ..... Discharge to surface water
4–B ..... Ocean discharge through outfall
4–C ..... Reuse/recycle of treated effluent
4–D ..... Underground injection

5. SLUDGE TREATMENT AND DISPOSAL PROCESSES

5–A ..... Aerobic digestion
5–B ..... Anaerobic digestion
5–C ..... Belt filtration
5–D ..... Centrifugation
5–E ..... Chemical conditioning
5–F ..... Chlorine treatment
5–G ..... Composting
5–H ..... Drying beds
5–I ..... Elutriation
5–J ..... Flotation thickening
5–K ..... Freezing
5–L ..... Gravity thickening
5–M ..... Heat drying
5–N ..... Heat treatment
5–O ..... Incineration
5–P ..... Land application
5–Q ..... Landfill
5–R ..... Pressure filtration
5–S ..... Pyrolysis
5–T ..... Sludge lagoons
5–U ..... Vacuum filtration
5–V ..... Vibration
5–W ..... Wet oxidation

Exhibit 2D–2. Example Line Drawing

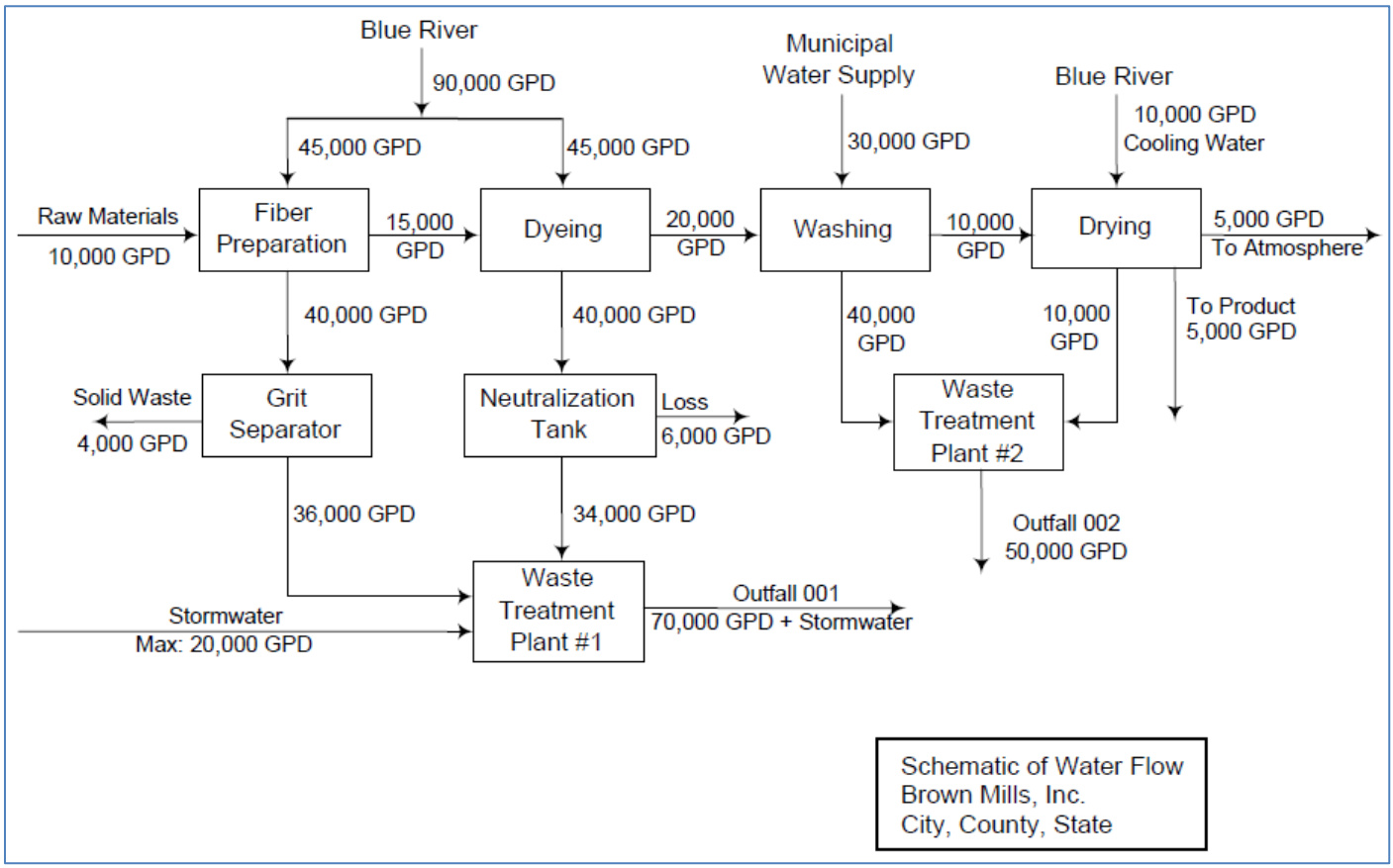

Exhibit 2D–3. Hazardous Substances

1. Acetaldehyde
2. Acetic acid
3. Acetic anhydride
4. Acetone cyanohydrin
5. Acetyl bromide
6. Acetyl chloride
7. Acrolein
8. Acrylonitrile
9. Adipic acid
10. Aldrin
11. Allyl alcohol
12. Allyl chloride
13. Aluminum sulfate
14. Ammonia
15. Ammonium acetate
16. Ammonium benzoate
17. Ammonium bicarbonate
18. Ammonium bichromate
19. Ammonium bifluoride
20. Ammonium bisulfite
21. Ammonium carbamate
22. Ammonium carbonate
23. Ammonium chloride
24. Ammonium chromate
25. Ammonium citrate
26. Ammonium fluoroborate
27. Ammonium fluoride
28. Ammonium hydroxide
29. Ammonium oxalate
30. Ammonium silicofluoride
31. Ammonium sulfamate
32. Ammonium sulfide
33. Ammonium sulfite
34. Ammonium tartrate
35. Ammonium thiocyanate
36. Ammonium thiosulfate
37. Amyl acetate
38. Aniline
39. Antimony pentachloricle
40. Antimony potassium tartrate
41. Antimony tribromide
42. Antimony trichloride
43. Antimony trifluoride
44. Antimony trioxide
45. Arsenic disulfide
46. Arsenic pentoxide
47. Arsenic trichloride
48. Arsenic trioxide
49. Arsenic trisulfide
50. Barium cyanide
51. Benzene
52. Benzoic acid
53. Benzonitrile
54. Benzoyl chloride
55. Benzyl chloride
56. Beryllium chloride
57. Beryllium fluoride
58. Beryllium nitrate
59. Butylacetate
60. n-butylphthalate
61. Butylamine
62. Butyric acid
63. Cadmium acetate
64. Cadmium bromide
65. Cadmium chloride
66. Calcium arsenate
67. Calcium arsenite
68. Calcium carbide
69. Calcium chromate
70. Calcium cyanide
71. Calcium dodecylbenzenesulfonate
72. Calcium hypochlorite
73. Captan
74. Carbaryl
75. Carbofuran
76. Carbon disulfide
77. Carbon tetrachloride
78. Chlordane
79. Chlorine
80. Chlorobenzene
81. Chloroform
82. Chloropyrifos
83. Chlorosulfonic acid
84. Chromic acetate
85. Chromic acid
86. Chromic sulfate
87. Chromous chloride
88. Cobaltous bromide
89. Cobaltous formate
90. Cobaltous sulfamate
91. Coumaphos
92. Cresol
93. Crotonaldehyde
94. Cupric acetate
95. Cupric acetoarsenite
96. Cupric chloride
97. Cupric nitrate
98. Cupric oxalate
99. Cupric sulfate
100. Cupric sulfate ammoniated
101. Cupric tartrate
102. Cyanogen chloride
103. Cyclohexane
104. 2,4-D acid (2,4-dichlorophenoxyacetic acid)
105. 2,4-D esters (2,4-dichlorophenoxyacetic acid esters)
106. DDT (dichlorodiphenyltrichloroethane)
107. Diazinon
108. Dicamba
109. Dichlobenil
110. Dichlone
111. Dichlorobenzene
112. Dichloropropane
113. Dichloropropene
114. Dichloropropene-dichloproropane mix
115. 2,2-dichloropropionic acid
116. Dichlorvos
117. Dieldrin
118. Diethylamine
119. Dimethylamine
120. Dinitrobenzene
121. Dinitrophenol
122. Dinitrotoluene
123. Diquat
124. Disulfoton
125. Diuron
126. Dodecylbenzesulfonic acid
127. Endosulfan
128. Endrin
129. Epichlorohydrin
130. Ethion
131. Ethylbenzene
132. Ethylenediamine
133. Ethylene dibromide
134. Ethylene dichloride
135. EDTA (ethylene diaminetetracetic acid)
136. Ferric ammonium citrate
137. Ferric ammonium oxalate
138. Ferric chloride
139. Ferric fluoride
140. Ferric nitrate
141. Ferric sulfate
142. Ferrous ammonium sulfate
143. Ferrous chloride
144. Ferrous sulfate
145. Formaldehyde
146. Formic acid
147. Fumaric acid
148. Furfural
149. Guthion
150. Heptachlor
151. Hexachlorocyclopentadiene
152. Hydrochloric acid
153. Hydrofluoric acid
154. Hydrogen cyanide
155. Hydrogen sulfide
156. Isoprene
157. Isopropanolamine dodecylbenzenesulfonate
158. Kelthane
159. Kepone
160. Lead acetate
161. Lead arsenate
162. Lead chloride
163. Lead fluoborate
164. Lead fluorite
165. Lead iodide
166. Lead nitrate
167. Lead stearate
168. Lead sulfate
169. Lead sulfide
170. Lead thiocyanate
171. Lindane
172. Lithium chromate
173. Malathion
174. Maleic acid
175. Maleic anhydride
176. Mercaptodimethur
177. Mercuric cyanide
178. Mercuric nitrate
179. Mercuric sulfate
180. Mercuric thiocyanate
181. Mercurous nitrate
182. Methoxychlor
183. Methyl mercaptan
184. Methyl methacrylate
185. Methyl parathion
186. Mevinphos
187. Mexacarbate
188. Monoethylamine
189. Monomethylamine
190. Naled
191. Naphthalene
192. Naphthenic acid
193. Nickel ammonium sulfate
194. Nickel chloride
195. Nickel hydroxide
196. Nickel nitrate
197. Nickel sulfate
198. Nitric acid
199. Nitrobenzene
200. Nitrogen dioxide
201. Nitrophenol
202. Nitrotoluene
203. Paraformaldehyde
204. Parathion
205. Pentachlorophenol
206. Phenol
207. Phosgene
208. Phosphoric acid
209. Phosphorus
210. Phosphorus oxychloride
211. Phosphorus pentasulfide
212. Phosphorus trichloride
213. PCBs (polychlorinated biphenyls)

Exhibit 2D–3. Hazardous Substances

214. Potassium arsenate
215. Potassium arsenite
216. Potassium bichromate
217. Potassium chromate
218. Potassium cyanide
219. Potassium hydroxide
220. Potassium permanganate
221. Propargite
222. Propionic acid
223. Propionic anhydride
224. Propylene oxide
225. Pyrethrins
226. Quinoline
227. Resorcinol
228. Selenium oxide
229. Silver nitrate
230. Sodium
231. Sodium arsenate
232. Sodium arsenite
233. Sodium bichromate
234. Sodium bifluoride
235. Sodium bisulfite
236. Sodium chromate
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)
258. 2,4,5-TP acid esters (2,4,5-trichlorophenoxy propanoic acid esters)
259. TDE (tetrachlorodiphenyl ethane)
260. Tetraethyl lead
261. Tetraethyl pyrophosphate
262. Thallium sulfate
263. Toluene
264. Toxaphene
265. Trichlorofon
266. Trichloroethylene
267. Trichlorophenol
268. Triethanolamine dodecylbenzenesulfonate
269. Triethylamine
270. Trimethylamine
271. Uranyl acetate
272. Uranyl nitrate
273. Vanadium penoxide
274. Vanadyl sulfate
275. Vinyl acetate
276. Vinylidene chloride
277. Xylene
278. Xylenol
279. Zinc acetate
280. Zinc ammonium chloride
281. Zinc borate
282. Zinc bromide
283. Zinc carbonate
284. Zinc chloride
285. Zinc cyanide
286. Zinc fluoride
287. Zinc formate
288. Zinc hydrosulfite
289. Zinc nitrate
290. Zinc phenolsulfonate
291. Zinc phosphide
292. Zinc silicofluoride
293. Zinc sulfate
294. Zirconium nitrate
295. Zirconium potassium fluoride
296. Zirconium sulfate
297. Zirconium tetrachloride

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EPA Identification Number	Facility Name

OMB No. 2040-0004
Expires 07/31/2026

Form 2D NPDES

U.S. Environmental Protection Agency
Application for NPDES Permit to Discharge Wastewater

NEW MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS THAT HAVE NOT YET COMMENCED DISCHARGE OF PROCESS WASTEWATER

SECTION 1. EXPECTED OUTFALL LOCATION (40 CFR 122.21(K)(1))

Outfall Location

1.1 Provide information on each of the facility's outfalls in the table below.

Outfall Number	Receiving Water Name	Latitude	Longitude

SECTION 2. EXPECTED DISCHARGE DATE (40 CFR 122.21(K)(2))

Expected Discharge Date

2.1

Month	Day	Year

SECTION 3. AVERAGE FLOWS AND TREATMENT (40 CFR 122.21(K)(3)(I))

Average Flows and Treatment

3.1 For each outfall identified under Item 1.1, provide average flow and treatment information. Add additional sheets as necessary.

****Outfall Number** _____**

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2D–1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge

Average Flows and Treatment Continued

3.1 Cont.

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2D–1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge

****Outfall Number**** _____

Operations Contributing to Flow

Operation	Average Flow
	mgd
	mgd
	mgd
	mgd
	mgd

Treatment Units

Description (include size, flow rate through each treatment unit, retention time, etc.)	Code from Exhibit 2D–1	Final Disposal of Solid or Liquid Wastes Other Than by Discharge

SECTION 4. LINE DRAWING (40 CFR 122.21(K)(3)(II))

Line Drawing

4.1 Have you attached a line drawing to this application that shows the water flow through your facility with a water balance? (See instructions for drawing requirements. See Exhibit 2D–2 at end of instructions for example.)

☐ Yes

SECTION 5. INTERMITTENT OR SEASONAL FLOWS (40 CFR 122.21(K)(3)(III))

Intermittent or Seasonal Flows

5.1 Except for stormwater runoff, leaks, or spills, are any expected discharges described in Sections 1 and 3 intermittent or seasonal?

☐ Yes ☐ No → SKIP to Section 6.

5.2 Provide information on intermittent or seasonal flows for each applicable outfall. Attach additional pages, if necessary.

Outfall Number	Operations (list)	Frequency		Rate and Volume		Duration
		Average Days/Week	Average Months/Year	Maximum Daily Discharge	Maximum Total Volume	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
Outfall Number	**Operations** (list)	**Frequency**		**Rate and Volume**		**Duration**
		Average Days/Week	**Average Months/Year**	**Maximum Daily Discharge**	**Maximum Total Volume**	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
Outfall Number	**Operations** (list)	**Frequency**		**Rate and Volume**		**Duration**
		Average Days/Week	**Average Months/Year**	**Maximum Daily Discharge**	**Maximum Total Volume**	
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days
		days/week	months/year	mgd	gallons	days

SECTION 6. PRODUCTION (40 CFR 122.21(K)(4))

Production

6.1 Do any effluent limitation guidelines (ELGs) promulgated by EPA under CWA Section 304 apply to your facility?

☐ Yes ☐ No → SKIP to Section 7.

6.2 Provide the following information on applicable ELGs.

ELG Category	ELG Subcategory	Regulatory Citation

Production Continued

6.3 Are the limitations in the applicable ELGs expressed in terms of production (or other measure of operation)?

☐ Yes ☐ No ➔ SKIP to Section 7.

6.4 Provide an expected measure of average daily production expressed in terms and units of applicable ELGs.

Expected Actual Average Daily Production for First Three Years				
Outfall Number	**Year**	**Operation, Product, or Material**	**Quantity per Day** (note basis if applicable)	**Unit of Measure**
	Year 1			
	Year 2			
	Year 3			
	Year 1			
	Year 2			
	Year 3			
	Year 1			
	Year 2			
	Year 3			

SECTION 7. EFFLUENT CHARACTERISTICS (40 CFR 122.21(K)(5))

Effluent Characteristics

See the instructions to determine the parameters and pollutants you are required to monitor and, in turn, the tables you must complete. Note that not all applicants need to complete each table.

Table A. Conventional and Non-Conventional Parameters

7.1 Are you requesting a waiver from your NPDES permitting authority for any Table A parameters for any of your outfalls?

☐ Yes ☐ No ➔ SKIP to Item 7.3.

7.2 If yes, indicate the applicable outfalls below or check the appropriate box to indicate that you are requesting a waiver for all outfalls. Attach waiver request and other required information to the application.

Outfall number _____ Outfall number _____ Outfall number _____

☐ I am requesting a waiver for some pollutants at all outfalls.

☐ I am requesting a waiver for all pollutants at all outfalls ➔ SKIP to Item 7.4.

7.3 Have you have provided estimates or actual data for all Table A parameters for each of your outfalls for which a waiver has not been requested and attached the results to this application package?

☐ Yes

Table B. Certain Conventional and Non-Conventional Pollutants

7.4 Have you checked "Believed Present" for all pollutants listed in Table B that are limited directly or indirectly by an applicable ELG?

☐ Yes ☐ Not applicable

7.5 Have you checked "Believed Present" or "Believed Absent" for all remaining pollutants listed in Table B?

☐ Yes

	7.6	Have you provided estimated data for those Table B pollutants for which you have indicated are "Believed Present" in your discharge? ☐ Yes
Effluent Characteristics Continued	**Table C. Toxic Metals, Total Cyanide, and Total Phenols**	
	7.7	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table C for all outfalls? ☐ Yes
	7.8	Have you completed Table C by providing estimated data for pollutants you indicated are "Believed Present," including the source of the information, for each applicable outfall? ☐ Yes
	Table D. Organic Toxic Pollutants (GC/MS Fractions)	
	7.9	Do you qualify for a small business exemption under the criteria specified in the Instructions? ☐ Yes ➔ Note that you qualify at the top of Table D, then SKIP to Item 7.12. ☐ No
	7.10	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table D for all outfalls? ☐ Yes
	7.11	Have you completed Table D by providing estimated data for pollutants you indicated are "Believed Present," including the source of the information, for each applicable outfall? ☐ Yes
	2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)	
	7.12	Does the facility use or manufacture one or more of the 2,3,7,8-TCDD congeners listed in the Instructions, or do you know or have reason to believe that TCDD is or may be present in effluent from any of your outfalls? ☐ Yes ☐ No
	Table E. Certain Hazardous Substances and Asbestos	
	7.13	Have you indicated whether pollutants are "Believed Present" or "Believed Absent" for all pollutants listed in Table E for all outfalls? ☐ Yes
	7.14	Have you completed Table E by reporting the reason the pollutants are expected to be present and available quantitative data for pollutants you indicated are "Believed Present" for each applicable outfall? ☐ Yes
	Intake Credits, Tables A through E	
	7.15	Are you applying for net credits for the presence of any of the pollutants in Tables A through E for any of your outfalls? ☐ Yes ➔ Consult with your NPDES permitting authority. ☐ No
SECTION 8. ENGINEERING REPORT (40 CFR 122.21(K)(6))		
Engineering Report	8.1	Do you have any technical evaluations of your wastewater treatment, including engineering reports or pilot plant studies? ☐ Yes ☐ No ➔ SKIP to Item 8.3.
	8.2	Have you provided the technical evaluation and all related documents to this application package? ☐ Yes ☐ No
	8.3	Are you aware of any existing plant(s) whose production processes, wastewater constituents, or wastewater treatment resemble those at your facility? ☐ Yes ☐ No ➔ SKIP to Section 9.

Engineering Report Continued

8.4 Provide the names and locations of the similar plants.

Name of Similar Plant	Location of Similar Plant

SECTION 9. OTHER INFORMATION (40 CFR 122.21(K)(7))

Other Information

9.1 Have you attached any optional information that you would like considered as part of the application review process (i.e., material beyond that which you have already noted in the application as being attached)?

☐ Yes ☐ No ➔ SKIP to Section 10.

9.2 List the additional items and briefly note why you have included them.

1.

2.

3.

4.

5.

SECTION 10. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(A) AND (D))

Checklist and Certification Statement

10.1 In Column 1 below, mark the sections of Form 2D that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to complete all sections or tables, or provide attachments.

Column 1	Column 2
☐ Section 1: Expected Outfall Location	☐ w/ attachments (e.g., responses for additional outfalls)
☐ Section 2: Expected Discharge Date	☐ w/ attachments
☐ Section 3: Average Flows and Treatment	☐ w/ attachments
☐ Section 4: Line Drawing	☐ w/ line drawing ☐ w/ additional attachments
☐ Section 5: Intermittent or Seasonal Flows	☐ w/ attachments
☐ Section 6: Production	☐ w/ attachments
☐ Section 7: Effluent Characteristics	☐ w/ Table A waiver request or approval ☐ Table A ☐ Table B ☐ Table C ☐ Table D ☐ Table E ☐ w/ other attachments
☐ Section 8: Engineering Report	☐ w/ technical evaluations and related attachments
☐ Section 9: Other Information	☐ w/ optional information
☐ Section 10: Checklist and Certification Statement	☐ w/ attachments

Checklist and Certification Statement Continued	10.2	Provide the following certification. (See instructions to determine the appropriate person to sign the application.) **Certification Statement** *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*	
		Name (print or type first and last name)	Official title
		Signature	Date signed

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EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026

TABLE A. CONVENTIONAL AND NON CONVENTIONAL PARAMETER ESTIMATES (40 CFR 122.21(K)(5)(I))[1]

	Pollutant	Waiver Requested (if applicable)	Units		Effluent Data			Intake Water	
					Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)	Believed Present? (check only one response per parameter)	
☐	Check here if you have applied to your NPDES authority for a waiver for *all* of the pollutants listed on this table for the noted outfall.								
1.	Biochemical oxygen demand (BOD_5)	☐	Concentration					☐ Yes	☐ No
			Mass						
2.	Chemical oxygen demand (COD)	☐	Concentration					☐ Yes	☐ No
			Mass						
3.	Total organic carbon (TOC)	☐	Concentration					☐ Yes	☐ No
			Mass						
4.	Total suspended solids (TSS)	☐	Concentration					☐ Yes	☐ No
			Mass						
5.	Ammonia (as N)	☐	Concentration					☐ Yes	☐ No
			Mass						
6.	Flow	☐	Rate					☐ Yes	☐ No
7.	Temperature (winter)	☐	°C	°C				☐ Yes	☐ No
	Temperature (summer)	☐	°C	°C					
8.	pH (minimum)	☐	Standard units	s.u.				☐ Yes	☐ No
	pH (maximum)	☐	Standard units	s.u.					

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

Pollutant		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units	Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)		Believed Present? (check only one response per item)
☐	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table B for the noted outfall *unless* you have quantitative data available.								
1.	Bromide (24959-67-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.	Chlorine, total residual	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.	Color	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.	Fecal coliform	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
5.	Fluoride (16984-48-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
6.	Nitrate-nitrite	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
7.	Nitrogen, total organic (as N)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
8.	Oil and grease	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
9.	Phosphorus (as P), total (7723-14-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
10.	Sulfate (as SO_4) (14808-79-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
11.	Sulfide (as S)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

Pollutant		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)	Believed Present? (check only one response per item)
12.	Sulfite (as SO_3) (14265-45-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
13.	Surfactants	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
14.	Aluminum, total (7429-90-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
15.	Barium, total (7440-39-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
16.	Boron, total (7440-42-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
17.	Cobalt, total (7440-48-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
18.	Iron, total (7439-89-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
19.	Magnesium, total (7439-95-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
20.	Molybdenum, total (7439-98-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
21.	Manganese, total (7439-96-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
22.	Tin, total (7440-31-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026

TABLE B. CERTAIN CONVENTIONAL AND NON CONVENTIONAL POLLUTANTS (40 CFR 122.21(K)(5)(II))[1]

Pollutant		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present or Limited by an ELG (provide both concentration and mass estimates for each pollutant)					
				Effluent					Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (use codes in instructions)	Believed Present? (check only one response per item)
23.	Titanium, total (7440-32-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.	Radioactivity								
24.1	Alpha, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.2	Beta, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.3.	Radium, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
24.4	Radium 226, total	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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EPA Identification Number	Facility Name	Outfall Number	OMB No. 2040-0004 Expires 07/31/2026

TABLE C. TOXIC METALS, TOTAL CYANIDE, AND TOTAL PHENOLS (40 CFR 122.21(K)(5)(III)(A))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (Provide both concentration and mass estimates for each pollutant.)						
				Effluent					Intake Water	
		Believed Present	Believed Absent	Units	Maximum Daily Discharge (required)	Average Daily Discharge (if available)	Source of Information (Use codes in Instructions.)		Believed Present? (Check only one response per pollutant.)	
☐	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table C for the noted outfall *unless* you have quantitative data available.									
1.	Antimony, Total (7440-36-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
2.	Arsenic, Total (7440-38-2)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
3.	Beryllium, Total (7440-41-7)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
4.	Cadmium, Total (7440-43-9)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
5.	Chromium, Total (7440-47-3)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
6.	Copper, Total (7440-50-8)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
7.	Lead, Total (7439-92-1)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
8.	Mercury, Total (7439-97-6)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
9.	Nickel, Total (7440-02-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
10.	Selenium, Total (7782-49-2)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
11.	Silver, Total (7440-22-4)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
12.	Thallium, Total (7440-28-0)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
13.	Zinc, Total (7440-66-6)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
14.	Cyanide, Total (57-12-5)	☐	☐	Concentration					☐ Yes	☐ No
				Mass						
15.	Phenols, Total	☐	☐	Concentration					☐ Yes	☐ No
				Mass						

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See Instructions and 40 CFR 122.21(e)(3).

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TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
					Effluent			Intake Water	
		Believed Present	Believed Absent	Units	Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)	
☐	Check here if all pollutants listed in Table D are expected to be absent from your facility's discharge.								
☐	Check here if the facility believes it is exempt from Table D reporting requirements because it is a qualified small business. See the instructions for exemption criteria and for a list of materials you must attach to the application.								
Note: If you check either of the above boxes, you do not need to complete Table D for the noted outfall *unless* you have quantitative data available.									
1. Organic Toxic Pollutants (GC/MS Fraction—Volatile Compounds)									
1.1	Acrolein (107-02-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.2	Acrylonitrile (107-13-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.3	Benzene (71-43-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.4	Bromoform (75-25-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.5	Carbon tetrachloride (56-23-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.6	Chlorobenzene (108-90-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.7	Chlorodibromomethane (124-48-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.8	Chloroethane (75-00-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.9	2-chloroethylvinyl ether (110-75-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.10	Chloroform (67-66-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.11	Dichlorobromomethane (75-27-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
1.12	1,1-dichloroethane (75-34-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.13	1,2-dichloroethane (107-06-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.14	1,1-dichloroethylene (75-35-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.15	1,2-dichloropropane (78-87-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.16	1,3-dichloropropylene (542-75-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.17	Ethylbenzene (100-41-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.18	Methyl bromide (74-83-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.19	Methyl chloride (74-87-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.20	Methylene chloride (75-09-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.21	1,1,2,2-tetrachloroethane (79-34-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.22	Tetrachloroethylene (127-18-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.23	Toluene (108-88-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.24	1,2-trans-dichloroethylene (156-60-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
1.25	1,1,1-trichloroethane (71-55-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.26	1,1,2-trichloroethane (79-00-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.27	Trichloroethylene (79-01-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
1.28	Vinyl chloride (75-01-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2. Organic Toxic Pollutants (GC/MS Fraction—Acid Compounds)									
2.1	2-chlorophenol (95-57-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.2	2,4-dichlorophenol (120-83-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.3	2,4-dimethylphenol (105-67-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.4	4,6-dinitro-o-cresol (534-52-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.5	2,4-dinitrophenol (51-28-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.6	2-nitrophenol (88-75-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.7	4-nitrophenol (100-02-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.8	p-chloro-m-cresol (59-50-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.9	Pentachlorophenol (87-86-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
2.10	Phenol (108-95-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
2.11	2,4,6-trichlorophenol (88-05-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3. Organic Toxic Pollutants (GC/MS Fraction—Base /Neutral Compounds)									
3.1	Acenaphthene (83-32-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.2	Acenaphthylene (208-96-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.3	Anthracene (120-12-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.4	Benzidine (92-87-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.5	Benzo (a) anthracene (56-55-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.6	Benzo (a) pyrene (50-32-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.7	3,4-benzofluoranthene (205-99-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.8	Benzo (ghi) perylene (191-24-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.9	Benzo (k) fluoranthene (207-08-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.10	Bis (2-chloroethoxy) methane (111-91-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.11	Bis (2-chloroethyl) ether (111-44-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.12	Bis (2-chloroisopropyl) ether (102-80-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.13	Bis (2-ethylhexyl) phthalate (117-81-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.14	4-bromophenyl phenyl ether (101-55-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.15	Butyl benzyl phthalate (85-68-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.16	2-chloronaphthalene (91-58-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.17	4-chlorophenyl phenyl ether (7005-72-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.18	Chrysene (218-01-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.19	Dibenzo (a,h) anthracene (53-70-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.20	1,2-dichlorobenzene (95-50-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.21	1,3-dichlorobenzene (541-73-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.22	1,4-dichlorobenzene (106-46-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.23	3,3-dichlorobenzidine (91-94-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.24	Diethyl phthalate (84-66-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.25	Dimethyl phthalate (131-11-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.26	Di-n-butyl phthalate (84-74-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.27	2,4-dinitrotoluene (121-14-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.28	2,6-dinitrotoluene (606-20-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.29	Di-n-octyl phthalate (117-84-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.30	1,2-diphenylhydrazine (as azobenzene) (122-66-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.31	Fluoranthene (206-44-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.32	Fluorene (86-73-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.33	Hexachlorobenzene (118-74-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.34	Hexachlorobutadiene (87-68-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.35	Hexachlorocyclopentadiene (77-47-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.36	Hexachloroethane (67-72-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.37.	Indeno (1,2,3-cd) pyrene (193-39-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.38	Isophorone (78-59-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.39	Naphthalene (91-20-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
3.40	Nitrobenzene (98-95-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.41	N-nitrosodimethylamine (62-75-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.42	N-nitrosodi-n-propylamine (621-64-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.43	N-nitrosodiphenylamine (86-30-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.44	Phenanthrene (85-01-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.45	Pyrene (129-00-0)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
3.46	1,2,4-trichlorobenzene (120-82-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4. Organic Toxic Pollutants (GC/MS Fraction—Pesticides)									
4.1.	Aldrin (309-00-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.2	α-BHC (319-84-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.3	β-BHC (319-85-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.4	γ-BHC (58-89-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.5	δ-BHC (319-86-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.6	Chlordane (57-74-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

	Pollutant (CAS Number, if available)	Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
4.7	4,4'-DDT (50-29-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.8	4,4'-DDE (72-55-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.9	4,4'-DDD (72-54-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.10	Dieldrin (60-57-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.11	α-endosulfan (115-29-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.12	β-endosulfan (115-29-7)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.13	Endosulfan sulfate (1031-07-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.14	Endrin (72-20-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.15	Endrin aldehyde (7421-93-4)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

TABLE D. ORGANIC TOXIC POLLUTANTS (GAS CHROMATOGRAPHY/MASS SPECTROMETRY OR GC/MS FRACTIONS) (40 CFR 122.21(K)(5)(III)(B))[1]

Pollutant (CAS Number, if available)		Presence or Absence (check one)		Estimated Data for Pollutants Expected to Be Present in Discharge (provide both concentration and mass estimates for each pollutant)					
						Effluent			Intake Water
		Believed Present	Believed Absent	Units		Maximum Daily Discharge	Average Daily Discharge	Source of Information (use codes in instructions)	Believed Present? (check only one response per pollutant)
4.16	Heptachlor (76-44-8)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.17	Heptachlor epoxide (1024-57-3)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.18	PCB-1242 (53469-21-9)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.19	PCB-1254 (11097-69-1)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.20	PCB-1221 (11104-28-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.21	PCB-1232 (11141-16-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.22	PCB-1248 (12672-29-6)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.23	PCB-1260 (11096-82-5)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.24	PCB-1016 (12674-11-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					
4.25	Toxaphene (8001-35-2)	☐	☐	Concentration					☐ Yes ☐ No
				Mass					

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
☐	Check (✓) here if you believe all pollutants listed to be absent from the discharge. You need not complete Table E for the noted outfall *unless* you have quantitative data available.				
1.	Asbestos	☐	☐		
2.	Acetaldehyde	☐	☐		
3.	Allyl alcohol	☐	☐		
4.	Allyl chloride	☐	☐		
5.	Amyl acetate	☐	☐		
6.	Aniline	☐	☐		
7.	Benzonitrile	☐	☐		
8.	Benzyl chloride	☐	☐		
9.	Butyl acetate	☐	☐		
10.	Butylamine	☐	☐		
11.	Captan	☐	☐		
12.	Carbaryl	☐	☐		
13.	Carbofuran	☐	☐		
14.	Carbon disulfide	☐	☐		
15.	Chlorpyrifos	☐	☐		
16.	Coumaphos	☐	☐		
17.	Cresol	☐	☐		
18.	Crotonaldehyde	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
19.	Cyclohexane	☐	☐		
20.	2,4-D (2,4-dichlorophenoxyacetic acid)	☐	☐		
21.	Diazinon	☐	☐		
22.	Dicamba	☐	☐		
23.	Dichlobenil	☐	☐		
24.	Dichlone	☐	☐		
25.	2,2-dichloropropionic acid	☐	☐		
26.	Dichlorvos	☐	☐		
27.	Diethyl amine	☐	☐		
28.	Dimethyl amine	☐	☐		
29.	Dintrobenzene	☐	☐		
30.	Diquat	☐	☐		
31.	Disulfoton	☐	☐		
32.	Diuron	☐	☐		
33.	Epichlorohydrin	☐	☐		
34.	Ethion	☐	☐		
35.	Ethylene diamine	☐	☐		
36.	Ethylene dibromide	☐	☐		
37.	Formaldehyde	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
38.	Furfural	☐	☐		
39.	Guthion	☐	☐		
40.	Isoprene	☐	☐		
41.	Isopropanolamine	☐	☐		
42.	Kelthane	☐	☐		
43.	Kepone	☐	☐		
44.	Malathion	☐	☐		
45.	Mercaptodimethur	☐	☐		
46.	Methoxychlor	☐	☐		
47.	Methyl mercaptan	☐	☐		
48.	Methyl methacrylate	☐	☐		
49.	Methyl parathion	☐	☐		
50.	Mevinphos	☐	☐		
51.	Mexacarbate	☐	☐		
52.	Monoethyl amine	☐	☐		
53.	Monomethyl amine	☐	☐		
54.	Naled	☐	☐		
55.	Naphthenic acid	☐	☐		
56.	Nitrotoluene	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

	Pollutant	Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
57.	Parathion	☐	☐		
58.	Phenolsulfonate	☐	☐		
59.	Phosgene	☐	☐		
60.	Propargite	☐	☐		
61.	Propylene oxide	☐	☐		
62.	Pyrethrins	☐	☐		
63.	Quinoline	☐	☐		
64.	Resorcinol	☐	☐		
65.	Strontium	☐	☐		
66.	Strychnine	☐	☐		
67.	Styrene	☐	☐		
68.	2,4,5-T (2,4,5-trichlorophenoxyacetic acid)	☐	☐		
69.	TDE (tetrachlorodiphenyl ethane)	☐	☐		
70.	2,4,5-TP [2-(2,4,5-trichlorophenoxy) propanoic acid]	☐	☐		
71.	Trichlorofon	☐	☐		
72.	Triethanolamine	☐	☐		
73.	Triethylamine	☐	☐		
74.	Trimethylamine	☐	☐		
75.	Uranium	☐	☐		

TABLE E. CERTAIN HAZARDOUS SUBSTANCES AND ASBESTOS (40 CFR 122.21(K)(5)(V))[1]

Pollutant		Presence or Absence (check one)		Reason Pollutant Believed Present in Discharge	Available Quantitative Data (specify units)
		Believed Present	Believed Absent		
76.	Vanadium	☐	☐		
77.	Vinyl acetate	☐	☐		
78.	Xylene	☐	☐		
79.	Xylenol	☐	☐		
80.	Zirconium	☐	☐		

[1] Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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