
Industrial Permits Section

Oklahoma DEQ

Application for Permit to Discharge Industrial Wastewater

Form 2D

Wastewater Discharge Information: New Manufacturing, Commercial and Mining Operations that Have Not Yet Commenced Wastewater Discharge

PLEASE DETACH THESE INSTRUCTIONS AND RETURN ONLY THE COMPLETED APPLICATION FORM.

This form must be completed by all persons applying for a permit to discharge industrial wastewater from new manufacturing, commercial and mining operations. This form must be completed in addition to Form 1 and any other applicable forms.

See Form 1, Attachment 1 for instructions on submittal of applications and public notice requirements.

INSTRUCTIONS - FORM 2D
OPDES APPLICATION TO DISCHARGE INDUSTRIAL WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, AND MINING OPERATIONS

This form must be completed by all applicants who check “yes” to Item B-3 in Form 1.

Your application will not be considered complete unless you answer every question on this form and on any other required forms. 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 by any other required forms, 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 DEQ which goes beyond that required by this or any other forms 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, DEQ may make the information public without further notice to you. Claims of confidentiality will be handled in accordance with the Oklahoma Public Records Act.

Definitions

All significant terms used in these instructions and in Form 2D are defined in the glossary found in the General Instructions to Form 1.

Item A

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

Item B

Give the name, title, work telephone number, and email address 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 C

Indicate the date the facility is expected to begin discharging.

Item D

For each expected outfall, list the legal description (¼, ¼, ¼, Section, Township, Range) to the nearest 10 acres, the latitude and longitude, and the name of the receiving water. Number the outfalls as follows: 001, 002, 003...

Item E-1

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 E-2. 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 2D-1 to these instructions.

You may use the same drawing to fulfill the requirements of Item D-1 in Form 2C or Item D-1 in Form 2D and Item G-1 in Form 2SI, provided the drawing shows **both** outfalls **and** surface impoundments.

Item E-2

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.

Item E-3

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 if this item for each source of intermittent or seasonal discharges. Base you answers on actual data whenever available; otherwise, provide you best estimate. Report the highest daily value for flow rate in the “Maximum Daily” columns. Report the average of all daily values measured during days when discharge occurred within the last year in the “Long Term Average” columns.

Item F-1

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, contact DEQ. 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 operation, you may check “no”. List all applicable effluent guidelines.

Item F-2

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 F-3

This item must be completed only if you checked “Yes” to Item F-2. The production information requested here is necessary to apply effluent guidelines to your facility and you cannot claim it as confidential. “Production” in this question refers to those goods which the proposed facility will produce, not to “wastewater” production. 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 alternate production estimates and the basis for the alternate estimates.

If known, report quantities in the units of measurement used in the applicable effluent guideline. For example, if the applicable effluent guideline is expressed as “grams of pollutant discharged per kilogram of unit production,” then report maximum “Quantity Per Day” in kilograms. If an effluent guideline 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 G, Parts 1, 2, 3, and 4

These items require you to report estimated (or actual, if analytical data is available) amounts on the pollutants in the discharge 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

Each part of this item requires you to provide an estimated maximum daily and average daily value for each pollutant or parameter listed, according to the specific instructions below. The source of the data is also required.

Part 1 requires you to report estimates for each pollutant listed. Parts 2 and 3 require you to report information in two ways. For some pollutants, you may be required to check the box in the "Testing Required" column and report estimated levels of the pollutants in your discharge whether or not you expect them to be present. For all others, you must check the box in either the "Believed Present" column or "Believed Absent" column based on your best estimate, and then provide estimated amounts for those pollutants that you believe to be present. (See specific instructions on the form and below for Parts 1 through 4.) Base your determination that a pollutant will be present or absent from your discharge on your knowledge of 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 will 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 check the box in the "Believed Present" column but you are not required to analyze for that pollutant. Instead, include either an estimate or analytical data for that pollutant in the "Intake" columns.

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 the tables for Item G if the separate sheets contain all the required information in a format which is consistent with the tables for Item G 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".

Concentration	Mass
ppm parts per million	lb pounds
ppb parts per billion	ton tons (English tons)
mg/l milligrams per liter	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.

B. Sampling: (Note that this section of the instructions applies only to those applicants able to provide quantitative analytical data on the wastewater to be discharged.) 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 the Department 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 maximum of four) taken in each succeeding hour of discharge for discharges lasting four or more hours. The Department 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.

Data from samples taken in the past may be used, provided that:

1. All data requirements are met.
2. Sampling was done no more than two years prior to submission.
3. 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 material, processes, or final products, and changes in wastewater treatment. The Department may request additional information, including current quantitative data, if the reviewer determines it to be necessary to evaluate your discharges.

C. Analysis: (Note that this section of the instructions applies only to those applicants able to provide quantitative analytical data on the wastewater to be discharged.) 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 the Department 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 Department, 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. The test method used must have a minimum detection limit equal to or less than the Minimum Quantification Level (MQL) given in Table 2D-4 of these instructions.

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. OPDES 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 the Department.

Item G, Part 1 (Form 2D, page 5)

Item G, Part 1 must be completed by all applicants for all outfalls, including outfalls containing only non-contact cooling water or stormwater runoff. However, at your request, the Department 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. See discussion in General Instructions to Item G for definitions of the columns in Part A. The "Long Term Average Values" column and "Maximum 30 Day Values" column are not compulsory but should be filled out if data are available.

Item G, Part 2 (Form 2D, pages 5-6)

Item G, Part 2 must be completed by all applicants for all outfalls, including outfalls containing only non-contact cooling water or stormwater runoff. You must report estimated values or 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 estimated values, quantitative data, or explain their presence in your discharge. The Department will consider requests 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.

Item G, Part 3 (Form 2D, pages 7-13)

Table 2D-1 of these instructions lists the 34 "primary" industry categories in the left-hand column. For each outfall, if any of your processes which contribute wastewater falls into one of those categories in Table 2D-1, you must check the box in the "Testing Required" column and report estimates or test for: (1) all of the toxic metals, cyanide and total phenols, and, (2) the organic toxic pollutants contained in Table 2D-1 as applicable to your category, unless you qualify as a small business (see below). The organic toxic pollutants are listed by CG/MS fractions. For example, the Organic Chemicals industry is marked (with an "X") for all four fractions; therefore, applicants in this category must test for all organic toxic pollutants in Item G, Part 3. The inclusion of total phenols is not intended to classify total phenols as a toxic pollutant. 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, non-process wastewater outfalls, and non-required GC/MS fractions*), you must check the box in either the "Believed Present" column or the "Believed Absent" column for each pollutant. For every pollutant you know or have reason to believe is present in your discharge in concentrations of 10 µg/l (ppb) or greater, you must report estimated values or 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 µg/l (ppb) or greater, you must report estimated values or quantitative data. For every pollutant expected to be discharged in concentrations less than the thresholds specified above, you must either submit estimated values, quantitative data, or briefly describe the reasons the pollutant is expected to be discharged. At your request the Department may waive 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 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 7 to 13 in Item G, Part 3. For pollutants in intake water, see discussion in General Instructions to this item. The "Long Term Average Values" column and "Maximum 30-day Values" column 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 Department 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 Item G-3 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 Item G-3 provided that the Department 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 in the following sections: Volatile Compounds, Acid Compounds, Base/Neutral Compounds, and Pesticides. 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)*.

Item G, Part 4 (Form 2D, page 4)

List any pollutants in Table 2D-2 of these instructions 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 2D-3 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 OPDES 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 DEQ for further information on exclusions from Section 311.

Item H

Indicate if any technical evaluations have been conducted of your wastewater treatment, including engineering reports or pilot studies, in Item H-1. If any such studies or reports have been conducted, attach any relevant documentation.

In Item H-2, indicate if you are aware of any existing plant(s) that resemble your production processes, wastewater constituents, and/or wastewater treatment. If you are aware of any such plant(s), provide the name and location of the plant(s).

Item I

Provide any additional information you feel should be considered in developing permit conditions. Attach additional pages if necessary.

Item J

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

27A O.S. 1996, §2-6-206(G)(4) provides that, "Any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the Oklahoma Pollutant Discharge Elimination System Act... shall upon conviction be punished by a fine of not more than Ten Thousand Dollars (\$10,000.00), or by imprisonment for not more than two (2) years, or by both."

All applications must be certified as provided on the forms furnished by the Department, and must be signed by the applicant. Signatures must be original signatures; photostatic copies of signatures will not be accepted. Permit applications must be signed as follows:

1. If the applicant is a private corporation, the application must be signed by:
 - 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 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.
2. If the applicant is a partnership, sole proprietorship or individual person, the application must be signed, respectively, by a general partner, the proprietor or the individual.
3. If the applicant is a municipality, political subdivision, the state or federal government or other public agency or entity, the application must be signed by the principal executive officer of the entity or the ranking elected official.

Figure 2D-1

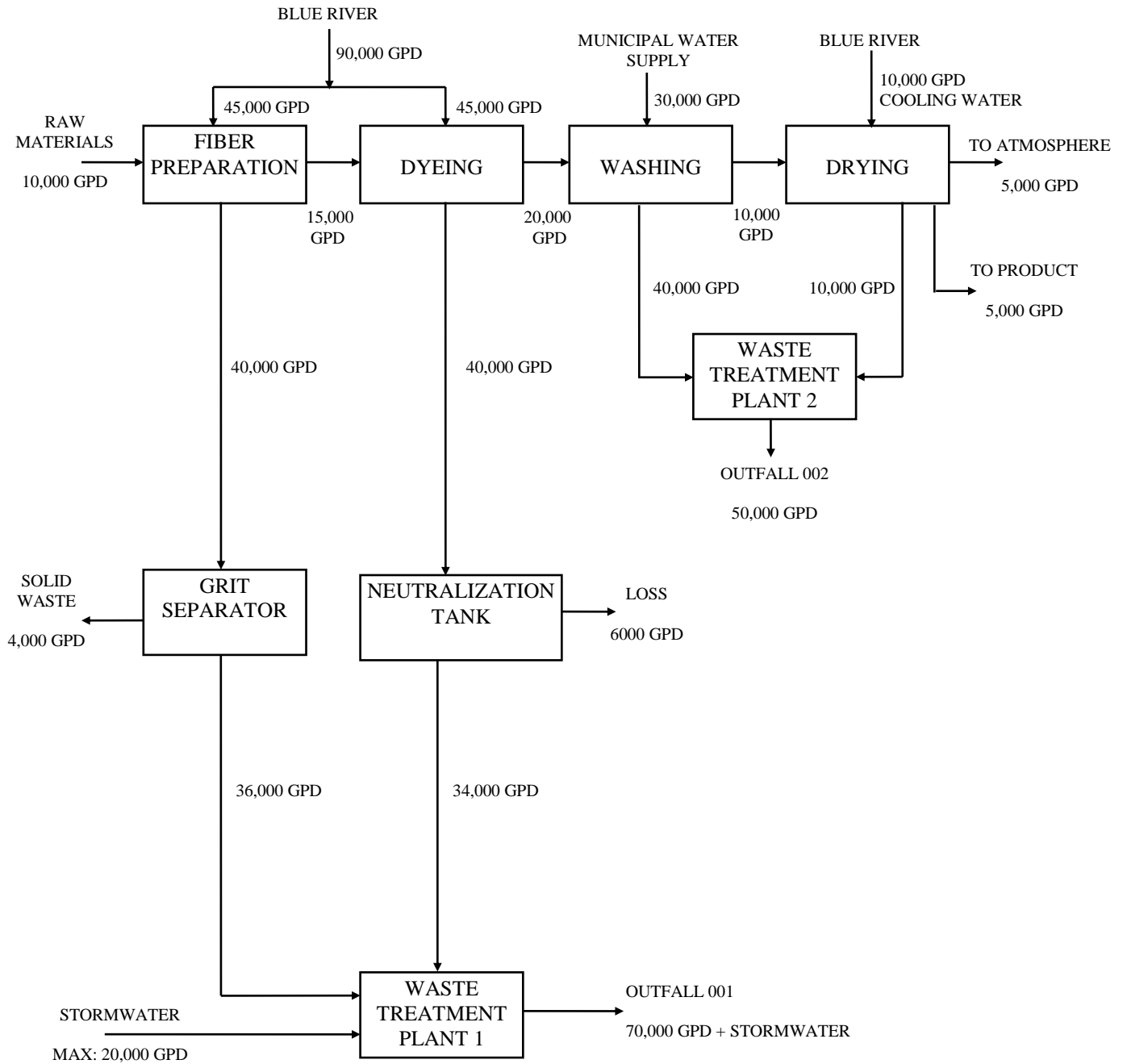


Table 2D-1

TESTING REQUIREMENTS FOR ORGANIC TOXIC POLLUTANTS BY INDUSTRY CATEGORY *

INDUSTRY CATEGORY	GC/MS FRACTION ^{1,2}			
	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.

¹ The pollutants in each fraction are listed in Table 2D-4 of these instructions.

² X = Testing required
 -- = Testing not required

TABLE 2D-2

TOXIC POLLUTANTS AND HAZARDOUS SUBSTANCES REQUIRED TO BE IDENTIFIED BY APPLICANTS IF EXPECTED TO BE PRESENT

TOXIC POLLUTANTS

Asbestos

HAZARDOUS SUBSTANCES

Acetaldehyde	Isopropanolamine dodecylbenzenesulfonate
Allyl alcohol	Kelthane
Allyl chloride	Kepone
Amyl acetate	Malathion
Aniline	Mercaptodimethur
Benzonitrile	Methoxychlor
Benzyl chloride	Methyl mercaptan
Butyl acetate	Methyl methacrylate
Butylamine	Methyl parathion
Captan	Mevinphos
Carbaryl	Mexacarbate
Carbofuran	Monoethyl amine
Carbon disulfide	Monomethyl amine
Chlorpyrifos	Naled
Coumaphos	Naphthenic acid
Cresol	Nitrotoluene
Crotonaldehyde	Parathion
Cyclohexane	Phenolsulfonate
2,4-D (2,4-Dichlorophenoxyacetic acid)	Phosgene
Diazinon	Propargite
Dicamba	Propylene oxide
Dichlobenil	Pyrethrins
Dichlone	Quinoline
2,2-Dichloropropionic acid	Resorcinol
Dichlorvos	Strontium
Diethyl amine	Strychnine
Dimethyl amine	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)
Dintrobenzene	TDE (Tetrachlorodiphenyl ethane)
Diquat	2,4,5-TP [2-(2,4,5-Trichlorophenoxy) propanoic acid]
Disulfoton	Trichlorofon
Diuron	Triethanolamine dodecylbenzenesulfonate
Epichlorohydrin	Triethylamine
Ethion	Uranium
Ethylene diamine	Vanadium
Formaldehyde	Vinyl acetate
Furfural	Xylene
Guthion	Xylenol
Isoprene	Zirconium

TABLE 2D-3
HAZARDOUS SUBSTANCES

Acetaldehyde	Carbaryl
Acetic acid	Carbofuran
Acetic anhydride	Carbon disulfide
Acetone cyanohydrin	Carbon tetrachloride
Acetyl bromide	Chlordane
Acetyl chloride	Chlorine
Acrolein	Chlorobenzene
Acrylonitrile	Chloroform
Adipic acid	Chloropyrifos
Aldrin	Chlorosulfonic acid
Allyl alcohol	Chromic acetate
Allyl chloride	Chromic acid
Aluminum sulfate	Chromic sulfate
Ammonia	Chromous chloride
Ammonium acetate	Cobaltous bromide
Ammonium benzoate	Cobaltous formate
Ammonium bicarbonate	Cobaltous sulfamate
Ammonium bichromate	Coumaphos
Ammonium bifluoride	Cresol
Ammonium bisulfite	Crotonaldehyde
Ammonium carbamate	Cupric acetate
Ammonium carbonate	Cupric acetoarsenite
Ammonium chloride	Cupric chloride
Ammonium chromate	Cupric nitrate
Ammonium citrate	Cupric oxalate
Ammonium flouoroborate	Cupric sulfate
Ammonium fluoride	Cupric sulfate ammoniated
Ammonium hydroxide	Cupric tartrate
Ammonium oxalate	Cyanogen chloride
Ammonium silicofluoride	Cyclohexane
Ammonium sulfamate	2,4-D acid (2,4-Dichlorophenoxyacetic acid)
Ammonium sulfide	2,4-D esters (2,4-Dichlorophenoxyacetic acid esters)
Ammonium sulfite	DDT
Ammonium tartrate	Diazinon
Ammonium thiocyanate	Dicamba
Ammonium thiosulfate	Dichlobenil
Amyl acetate	Dichlone
Aniline	Dichlorobenzene
Antimony pentachloride	Dichloropropane
Antimony potassium tartrate	Dichloropropene
Antimony tribromide	Dichloropropene-Dichloropropane mix
Antimony trichloride	2,2-Dichloropropionic acid
Antimony trifluoride	Dichlorvos
Antimony trioxide	Dieldrin
Arsenic disulfide	Diethylamine
Arsenic trichloride	Dimethylamine
Arsenic trioxide	Dinitrobenzene
Arsenic trisulfide	Dinitrophenol
Barium cyanide	Dinitrotoluene
Benzene	Diquat
Benzoic acid	Disulfoton
Benzonitrile	Diuron
Benzoyl chloride	Dodecylbenzenesulfonic acid
Benzyl chloride	Endosulfan
Beryllium chloride	Endrin
Beryllium fluoride	Epichlorohydrin
Beryllium nitrate	Ethion
Butylacetate	Elhylbenzene
n-Butylphthalate	Ethylenediamine
Butylamine	Ethylene dibromide
Butyric acid	Ethylene dichloride
Cadmium acetate	Ethylene diaminetetracetic acid (EDTA)
Cadmium bromide	Ferric ammonium citrate
Cadmium chloride	Ferric ammonium exalate
Calcium arsenate	Ferric chloride
Calcium arsenite	Ferric fluoride
Calcium carbide	Ferric nitrate
Calcium chromate	Ferric sulfate
Calcium cyanide	Ferrous chloride
Calcium dodecylbenzenesulfonate	Ferrous sulfate
Calcium hypochlorite	Formaldehyde
Captan	Formic acid

Table 2D-3**HAZARDOUS SUBSTANCES**

Fumaric acid	Propionic anhydride
Furfural	Propylene oxide
Guthion	Pyrethrins
Heptachlor	Quinoline
Hexachlorocyclopentadiene	Resorcinol
Hydrochloric acid	Selenium oxide
Hydrofluoric acid	Silver nitrate
Hydrogen cyanide	Sodium
Hydrogen sulfide	Sodium arsenate
Isoprene	Sodium arsenite
Isopropanolamine dodecylbenzenesulfonate	Sodium bichromate
Kelthane	Sodium bifluoride
Kepone	Sodium bisulfite
Lead acetate	Sodium chromate
Lead arsenate	Sodium cyanide
Lead chloride	Sodium dodecylbenzenesulfonate
Lead fluoborate	Sodium fluoride
Lead fluorite	Sodium hydrosulfide
Lead iodide	Sodium hydroxide
Lead nitrate	Sodium hypochlorite
Lead stearate	Sodium methylvate
Lead sulfate	Sodium nitrate
Lead sulfide	Sodium phosphate (dibasic)
Lead thiocyanate	Sodium phosphate (tribasic)
Lindane	Sodium selenite
Lithium chromate	Strontium chromate
Malathion	Strychnine
Maleic acid	Styrene
Maleic anhydride	Sulfuric acid
Mercaptodimethur	Sulfur monochloride
Mercuric cyanide	2,4,5-T acid (2,4,5-Trichlorophenoxy acetic acid)
Mercuric nitrate	2,4,5-T amines (2,4,5-Trichlorophenoxy acetic acid amines)
Mercuric sulfate	2,4,5-T esters (2,4,5-Trichlorophenoxy acetic acid esters)
Mercuric thiocyanate	2,4,5-T salts (2,1,5-Trichlorophenoxy acetic acid salts)
Mercurous nitrate	2,4,5-TP acid (2,4,5-Trichlorophenoxy propanoic acid)
Methoxychlor	2,4,5-TP acid esters (2,4,5-Trichlorophenoxy propanoic acid esters)
Methyl mercaptan	TDE (Tetrachlorodiphenyl ethane)
Methyl methacrylate	Tetraethyl lead
Methyl parathion	Tetraethyl pyrophosphate
Mevinphos	Thallium sulfate
Mexacarbate	Toluene
Monoethylamine	Toxaphene
Monomethylamine	Trichlorofon
Naled	Trichloroethylene
Naphthalene	Trichlorophenol
Naphthenic acid	Triethanolamine dodecylbenzenesulfonate
Nickel ammonium sulfate	Triethylamine
Nickel chloride	Trimethylamine
Nickel hydroxide	Uranyl acetate
Nickel nitrate	Uranyl nitrate
Nickel sulfate	Vanadium pentoxide
Nitric acid	Vanadyl sulfate
Nitrobenzene	Vinyl acetate
Nitrogen dioxide	Vinylidene chloride
Nitrophenil	Xylene
Nitrotoluene	Xylenol
Paraformaldehyde	Zinc acetate
Parathion	Zinc ammonium chloride
Pentachlorophenol	Zinc borate
Phenol	Zinc bromide
Phosgene	Zinc carbonate
Phosphoric acid	Zinc chloride
Phosphorus	Zinc cyanide
Phosphorus oxychloride	Zinc fluoride
Phosphorus pentasulfide	Zinc formate
Phosphorus trichloride	Zinc hydrosulfite
Polychlorinated biphenyls (PCB)	Zinc nitrate
Potassium arsenate	Zinc phenolsulfonate
Potassium arsenite	Zinc phosphide
Potassium bichromate	Zinc silicofluoride
Potassium cyanide	Zinc sulfate
Potassium hydroxide	Zirconium nitrate
Potassium permanganate	Zirconium potassium fluoride
Propargite	Zirconium sulfate
Propionic acid	Zirconium tetrachloride

Table 2D-4**MINIMUM QUANTIFICATION LEVELS (µg/l)**

<u>METALS AND CYANIDE</u>	<u>REQUIRED MQL</u>	<u>RECOMMENDED EPA METHOD</u>
Antimony, Total	60	200.8
Arsenic, Total	0.5	200.8
Beryllium, Total	5	200.8
Cadmium, Total	1	200.8
Chromium, Total	10	200.8
Chromium, (3+)	10	*
Chromium, (6+)	10	218.6
Copper, Total	1	200.8
Lead, Total	0.5	200.8
Mercury, Total	0.05	245.7
Nickel, Total (Freshwater)	10	200.8
Selenium, Total	5	200.8
Silver, Total	0.5	200.8
Thallium, Total	0.5	200.8
Zinc, Total	20	200.8
Cyanide, Total	10	335.4
 <u>DIOXIN</u>		
2,3,7,8-TCDD	0.00001	1613B
 <u>VOLATILE COMPOUNDS</u>		
Acrolein	50	624
Acrylonitrile	50	624
Benzene	10	624
Bromoform	10	624
Carbon Tetrachloride	10	624
Chlorobenzene	10	624
Chlorodibromomethane	10	624
Chloroethane	50	624
2-Chloroethyl Vinyl Ether	10	624
Chloroform	10	624
Dichlorobromomethane	10	624
1,1-Dichloroethane	10	624
1,2-Dichloroethane	10	624
1,1-Dichloroethylene	10	624
1,2-Dichloropropane	10	624
1,3-Dichloropropylene	10	624
Ethylbenzene	10	624
Methyl Bromide (Bromomethane)	50	624
Methyl Chloride (Chloromethane)	50	624
Methylene Chloride	20	624
1,1,2,2-Tetrachloroethane	10	624
Tetrachloroethylene	10	624
Toluene	10	624
1,2-trans-Dichloroethylene	10	624
1,1,1-Trichloroethane	10	624
1,1,2-Trichloroethane	10	624
Trichloroethylene	10	624
Vinyl Chloride	10	624
 <u>ACID COMPOUNDS</u>		
2-Chlorophenol	20	625
2,4-Dichlorophenol	20	625
2,4-Dimethylphenol	20	625
4,6-Dinitro-o-Cresol	50	625
2,4-Dinitrophenol	50	625
2-Nitrophenol	20	625
4-Nitrophenol	50	625
p-Chloro-m-Cresol	20	625
Pentachlorophenol	50	625
Phenol	20	625
2,4,6-Trichlorophenol	20	625

Table 2D-4

MINIMUM QUANTIFICATION LEVELS (µg/l)

<u>BASE/NEUTRAL COMPOUNDS</u>	<u>REQUIRED MOL</u>	<u>RECOMMENDED EPA METHOD</u>
Acenaphthene	20	625
Acenaphthylene	20	625
Anthracene	20	625
Benidine	50	625
Benzo(a)anthracene	20	625
Benzo(a)pyrene	20	625
3,4-Benzofluoranthene	20	625
Benzo(ghi)perylene	20	625
Benzo(k)fluoranthene	20	625
Bis(2-chloroethoxy) Methane	20	625
Bis(2-chloroethyl) Ether	20	625
Bis(2-chloroisopropyl) Ether	20	625
Bis(2-ethylhexyl) Phthalate	20	625
4-Bromophenyl Phenyl Ether	20	625
Butyl Benzyl Phthalate	20	625
2-Chloronaphthalene	20	625
4-Chlorophenyl Phenyl Ether	20	625
Chrysene	20	625
Dibenzo(a,h)Anthracene	20	625
1,2-Dichlorobenzene	20	625
1,3-Dichlorobenzene	20	625
1,4-Dichlorobenzene	20	625
3,3-Dichlorobenzidine	50	625
Diethyl Phthalate	20	625
Dimethyl Phthalate	20	625
Di-n-Butyl Phthalate	20	625
2,4-Dinitrotoluene	20	625
2,6-Dinitrotoluene	20	625
Di-n-octyl Phthalate	20	625
1,2-Diphenylhydrazine	20	625
Fluoranthene	20	625
Hexachlorobenzene	10	625
Hexachlorobutadiene	20	625
Hexachlorocyclopentadiene	20	625
Hexachloroethane	20	625
Indeno (1,2,3-cd) Pyrene	20	625
Isophorone	20	625
Naphthalene	10	625
Nitrobenzene	20	625
n-Nitrosodimethylamine	50	625
n-Nitrosodi-n-Propylamine	20	625
n-Nitrosodiphenylamine	20	625
Phenanthrene	20	625
Pyrene	20	625
1,2,4-Trichlorobenzene	20	625
<u>PESTICIDES</u>		
Aldrin	0.05	608
Alpha-BHC	0.05	608
Beta-BHC	0.05	608
Gamma-BHC (Lindane)	0.05	608
Delta-BHC	0.05	608
Chlordane	0.2	608
4,4'-DDT	0.05	608
4,4'-DDE (p,p-DDX)	0.05	608
4,4'-DDD (p,p-TDE)	0.05	608
Dieldrin	0.05	608
Alpha-Endosulfan	0.05	608
Beta-Endosulfan	0.05	608
Endosulfan Sulfate	0.05	608
Endrin	0.05	608
Endrin Aldehyde	0.05	608
Heptachlor	0.05	608
Heptachlor Epoxide (BHC-Hexachlorocyclohexane)	0.05	608
Toxaphene	0.3	608

Table 2D-4**MINIMUM QUANTIFICATION LEVELS (µg/l)**

<u>PESTICIDES (Continued)</u>	<u>REQUIRED MQL</u>	<u>RECOMMENDED EPA METHOD</u>
PCB-1242	0.25	608
PCB-1254	0.25	608
PCB-1221	0.25	608
PCB-1232	0.25	608
PCB-1248	0.25	608
PCB-1260	0.25	608
PCB-1016	0.25	608

* Chromium (3+) level is determined by subtracting chromium (6+) level from total chromium level.

FORM 2D DISCHARGE	OKLAHOMA DEQ	OPDES APPLICATION TO DISCHARGE AND/OR DISPOSE OF INDUSTRIAL WASTEWATER OR SLUDGE NEW SOURCES
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A. NAME OF FACILITY

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B. FACILITY CONTACT

1. Name & Title	2. Phone (Area Code + No.)	3. E-mail Address

C. EXPECTED DISCHARGE DATE

1. Month	2. Day	3. Year

D. OUTFALL LOCATION

1. For each outfall, list the legal description (¼, ¼, ¼, Section, Township, Range) to the nearest 10 acres and the name of the receiving water.

a. Outfall No.	b. Legal Description	c. Receiving Water

2. For each outfall, list the latitude and longitude.

a. Outfall No.	b. Latitude	c. Longitude

E. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

1. Attach a line drawing showing the expected 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 in Item E-2 below. Construct a water balance on the line drawing by showing anticipated 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.

2. 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. Continue on additional sheets if necessary.

a. Outfall No.	b. Operation(s) Contributing Flow	c. Average Flow (include units)	d. Description of Treatment

E. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES (continued)

2. Outfall Description (continued)

a. Outfall No.	b. Operation(s) Contributing Flow	c. Average Flow (include units)	d. Description of Treatment

3. Except for stormwater runoff, leaks, or spills, are any of the discharges described above intermittent or seasonal?

Yes (complete the following table)		No (continue to Item E)				
a. Outfall No.	b. Operation(s) Contributing Flow	c. Frequency		d. Flow		Duration (days)
		Days per Week	Months per Year	Flow Rate (specify units)		
				Long Term Average	Maximum Daily	

F. PRODUCTION					
1. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?					
Yes (list applicable ELGs below)			No (continue to Item F)		
a. ELG Category	b. ELG Subcategory		c. Regulatory Citation		
2. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?					
Yes (complete Item E-3)			No (continue to Item F)		
3. If you answered "yes" to Item F-2, list the quantity which represents an expected measure of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfall(s).					
Expected Actual Average Daily Production					
a. Outfall	b. Year	c. Operation, Product, Material, etc.		d. Quantity per Day	e. Units of Measure
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
	Year 1				
	Year 2				
	Year 3				
G. EFFLUENT AND INTAKE CHARACTERISTICS					
1. Are you requesting a waiver from DEQ for one or more of the pollutants in Table 1 on page 6 of this form?					
Yes (attach request indicating which outfalls, which parameters, and your reason for requesting a waiver.)			No (provide estimates for all pollutants in Table 1 for each outfall. Complete a separate table for each outfall.)		
2. Complete Table 2 on pages 6 and 7 of this form for each outfall. Refer to the instructions for additional explanation.					
3. Complete Table 3 on pages 8 through 14 of this form for each outfall. Refer to the instructions for additional explanation.					

G. EFFLUENT AND INTAKE CHARACTERISTICS (continued)

4. Use the space below to list any of the pollutants listed in Table 2D-2 of the instructions which you know or have reason to believe will be discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you expect it to be present and report any analytical data in your possession.

a. Pollutant	b. Source	c. Outfall No.

H. ENGINEERING REPORT

1. Do you have any technical evaluations of your wastewater treatment, including engineering reports or pilot plant studies?

Yes (attach the reports and/or studies)	No (continue to Item I.2)
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2. Are you aware of any existing plant(s) that resemble production processes, wastewater constituents, or wastewater treatment at your facility?

Yes (provide the name and location of similar plants)	No (continue to Item J)
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If you answered “yes” to Item H-2, identify the plant(s) below.

a. Plant Name	b. Plant Location

I. OTHER INFORMATION

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations for the proposed facility.

J. CERTIFICATION

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 true 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.

1. NAME & OFFICIAL TITLE (type or print)	2. SIGNATURE	3. DATE SIGNED

Outfall No.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. **SEE INSTRUCTIONS.**

OPDES Permit No.

State Permit No.

Facility ID No.

**Form 2D, Item G
Tables 1, 2 and 3**

G. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2D)

TABLE 1 - You must provide at least one estimate or analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

a. Pollutant	b. Effluent							c. Units		d. Intake (optional)		
	Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)		No. of Analyses			Long Term Average Value		No. of Analyses
	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass	Conc.	Mass	
Biochemical Oxygen Demand (BOD)												
Chemical Oxygen Demand (COD)												
Total Organic Carbon (TOC)												
Total Suspended Solids (TSS)												
Ammonia (as N)												
Chloride												
Dissolved Solids, Total												
Sulfate (as SO ₄)												
Flow	Value		Value		Value			MGD	GPD	Value		
Temperature Winter	Value		Value		Value			°C		Value		
Temperature Summer	Value		Value		Value			°C		Value		
pH	Minimum Daily		Maximum Daily					Standard Units				

TABLE 2 - Check the box in column b(1) for each pollutant you know or have reason to believe is present. Check the box in column b(2) for each pollutant you believe to be absent. If you mark column b(1) for any pollutant which is limited either directly, or indirectly but expressly, in an Effluent Limitation Guideline, you must provide at least one estimate or analysis for that pollutant. For other pollutants for which you mark column b(1), you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

a. Pollutant	b(1) Believed Present	b(2) Believed Absent	c. Effluent						d. Units		e. Intake (optional)		
			Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Average Value (if available)				No. of Analyses	Long Term Average Value	
			Conc.	Mass	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass
Bromide													
Chlorine, Total Residual													
Color													
Fecal Coliform													
Fluoride													

Outfall No.		c. Effluent										d. Units		e. Intake (optional)		
a. Pollutant	b(1) Believed Present	b(2) Believed Absent	Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)		No. of Analyses	Conc.	Mass	Long Term Average Value		No. of Analyses		
			Conc.	Mass	Conc.	Mass	Conc.	Mass				Conc.	Mass			
Nitrate-Nitrite (as N)																
Nitrogen, Total Organic (as N)																
Oil and Grease																
Phosphorus (as P), Total																
Radioactivity	Alpha, total															
	Beta, total															
	Radium, total															
	Radium 226, total															
Sulfide (as S)																
Sulfite (asSO ₃)																
Surfactants																
Aluminum, total																
Barium, total																
Boron, total																
Cobalt, total																
Iron, total																
Magnesium, total																
Molybdenum, total																
Manganese, total																
Tin, total																
Titanium, total																

Outfall No.

TABLE 3 - If you are a primary industry and this outfall contains process wastewater, refer to Table 2C-1 in the instructions to determine which of the GC/MS organic fractions you are required to test in addition to the toxic metals, cyanide and total phenols. Then check the box in column b(1) for the pollutant groups you are required to test. For the remaining pollutants, check the box in column b(2) for each pollutant you know or have reason to believe is present. Check the box in column b(3) for each pollutant you believe to be absent. **Complete one table for each outfall.** See instructions for additional details and requirements.

a. Pollutant				c. Effluent							d. Units		e. Intake (optional)		
	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)		No. of Analyses			Long Term Average Value		No. of Analyses
				Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass			
METALS, CYANIDE, AND TOTAL PHENOLS															
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															
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-p-Dioxin				Describe Results:											
GC/MS FRACTION -- VOLATILE COMPOUNDS															
Acrolein															
Acrylonitrile															
Benzene															

Outfall No.															
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent							d. Units		e. Intake (optional)		
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)		No. of Analyses			Long Term Average Value		No. of Analyses
				Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass	Conc.	Mass	
Bis (Chloroethyl) Ether															
Bromoform															
Carbon Tetrachloride															
Chlorobenzene															
Chlorodibromomethane															
Chloroethane															
2-Chloroethylvinyl Ether															
Chloroform															
Dichlorobromomethane															
Dichlorodifluoromethane															
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-Tetrachloro-ethane															
Tetrachloroethylene															
Toluene															

Outfall No.																
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent							d. Units		e. Intake (optional)			
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)		No. of Analyses			Long Term Average Value		No. of Analyses	
				Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass	Conc.	Mass		
1,2-Trans-Dichloroethylene																
1,1,1-Trichloroethane																
1,1,2-Trichloroethane																
Trichloroethylene																
Trichlorofluoromethane																
Vinyl Chloride																
GC/MS FRACTION -- 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																
GC/MS FRACTION -- BASE/NEUTRAL COMPOUNDS																
Acenaphthene																
Acenaphthylene																
Anthracene																
Benzidine																

Outfall No.															
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent						d. Units		e. Intake (optional)			
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)				No. of Analyses	Long Term Average Value		No. of Analyses
				Conc.	Mass	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass	
Benzo (a) Anthracene															
Benzo (a) Pyrene															
3,4-Benzo-flouranthene															
Benzo (ghi) Perylene															
Benzo (k) Fluoranthene															
Bis (2-Chloroethoxy) Methane															
Bis (2-Chloroethyl) Ether															
Bis (2-Chloro-isopropyl) Ether															
Bis (2-Ethyl-hexyl) Phthalate															
4-Bromophenyl Phenyl Ether															
Butyl Benzyl Phthalate															
2-Chloro-naphthalene															
4-Chlorophenyl Phenyl Ether															
Chrysene															
Dibenzo (a,h) Anthracene															
1,2-Dichlorobenzene															
1,3-Dichlorobenzene															
1,4-Dichlorobenzene															
3,3'-Dichloro-benzidine															
Diethyl Phthalate															
Dimethyl Phthalate															
Di-N-Butyl Phthalate															

Outfall No.																
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent						d. Units		e. Intake (optional)				
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)				No. of Analyses	Long Term Average Value		No. of Analyses	
				Conc.	Mass	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass		
2,4-Dinitrotoluene																
2,6-Dinitrotoluene																
Di-n-Octyl Phthalate																
1,2-Diphenyl-hydrazine (as Azobenzene)																
Fluoranthene																
Fluorene																
Hexachlorobenzene																
Hexachlorobutadiene																
Hexachlorocyclopentadiene																
Hexachloroethane																
Indeno (1,2,3-cd) Pyrene																
Isophorone																
Naphthalene																
Nitrobenzene																
N-Nitrosodimethylamine																
N-Nitrosodi-n-Propylamine																
N-Nitrosodiphenylamine																
Phenanthrene																
Pyrene																
1,2,4-Trichlorobenzene																

Outfall No.														
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent						d. Units		e. Intake (optional)		
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)				No. of Analyses	Long Term Average Value	
				Conc.	Mass	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass
GC/MS FRACTION -- 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														

Outfall No.																
a. Pollutant	b(1) Testing Required	b(2) Believed Present	b(3) Believed Absent	c. Effluent						d. Units		e. Intake (optional)				
				Maximum Daily Value		Maximum 30 Day Value (if available)		Long Term Avg Value (if available)				No. of Analyses	Long Term Average Value		No. of Analyses	
				Conc.	Mass	Conc.	Mass	Conc.	Mass	Conc.	Mass		Conc.	Mass		
PCB-1248																
PCB-1260																
PCB-1016																
Toxaphene																
ADDITIONAL PARAMETERS																
2,4,5-TP																
Silvex																
2,4,6-Trinitrotoluene																
2,4-D Butylbenzyl Chlorpyrifos (Dursban)																
Demeton																
Detergents (total)																
Endosulfan																
Guthion																
Hexahydro-1,3,5-tri-nitro- 1,3,5-triazine (RDX)																
Malathion																
Methoxychlor																
Methylene Blue Active Substances																
Mirex																
Parathion																
PCBs, total																
Phthalate Esters (except Butylbenzyl)																