



### New or Existing Dischargers of Process Wastewater

Are you a new discharger (e.g., not currently covered under an existing NPDES/IPDES permit)?  Yes  No

### New Industrial Facility Permit

Select the type of industrial facility:

- Commercial
- Drinking Water (Private)
- Drinking Water (Public)
- Manufacturing
- Mining
- Silvicultural
- Other

### I. Outfall Locations

Identify the outfall number, latitude, longitude, and the receiving water in the table below. Click the map icon for latitude/longitude below and use the map to identify the outfall location which will auto-populate the latitude and longitude upon selecting the outfall location on the map.

Outfall Number	Latitude: Decimal Degrees (N)	Longitude: Decimal Degrees (W)	Receiving Water

### II. Discharge Date

The date you expect to begin discharging:

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

### III. Flows, Sources of Pollution, and Treatment Technologies

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

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

List Operations Contributing Flows	Average Flow	Treatment	
		Description	Treatment Code
	MGD		
	MGD		
	MGD		

C. Except for storm water runoff, leaks, or spills, are any of the discharges described in the table above intermittent or seasonal?  Yes  No

Operations Contributing Flow	Frequency		Flow		
	Average Number of Days per Week	Average Number of Months per Year	Maximum Daily Flow Rate	Maximum Total Volume over 24 Hours	Flow Duration (in days)
			mgd	million gallons	
			mgd	million gallons	
			mgd	million gallons	

#### IV. Production

Is there an applicable production-based effluent guideline or New Source Performance Standards (NSPS)?  Yes  No

Provide the estimated level of production (i.e., projection of actual production level, not design), expressed in the terms and units used in the applicable effluent guideline or NSPS, for each of the first 3 years of operation. If production is likely to vary, also submit alternative estimates.

Year	Quantity per Day	Operation, Product, Material, etc. (specify)

#### V. Effluent Characteristics

**Groups A. and B.** Report the concentration and mass of the pollutants to be discharged from each outfall (for new sources or discharges this is the expected concentration and mass). Complete each group of this section according to the specific instructions.

##### Effluent Characteristics

Report estimated amounts (both concentration and mass) of the pollutants to be discharged from each of your outfalls. Each part of the Effluent Characteristics section should be completed in accordance with the specific instructions for that part.

##### Group A. Pollutants and Parameters

Provide estimated daily maximum values and average daily values for the following pollutants for each outfall, unless waived by the permitting authority.

Parameter	Maximum Daily Value	Average Daily Value	Source of Estimate
Flow	MGD	MGD	
Temperature , Summer	Celsius	Celsius	
Temperature , Winter	Celsius	Celsius	

Pollutant	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Estimate
			Concentration	Mass	Concentration	Mass	
Ammonia (as N)							
Chemical Oxygen Demand (COD)							
Organic Carbon (TOC)							
Temperature							
Wet Testing							
Total Suspended Solids (TSS)							
Biochemical Oxygen Demand (BOD)							
pH							
PCB Cogeners							

**Group B. Pollutants**

For all outfalls, data for pollutants in Group B should be reported only for pollutants that you believe will be present or are limited directly by an effluent limit guideline or NSPS or indirectly through limits on an indicator pollutant.

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Alpha Radiation (Gross alpha radiation)	<input type="checkbox"/>							
Aluminum	<input type="checkbox"/>							
Barium	<input type="checkbox"/>							
Beta Radiation (Gross Beta Radiation)	<input type="checkbox"/>							
Boron	<input type="checkbox"/>							
Cobalt	<input type="checkbox"/>							
Color	<input type="checkbox"/>							
Fecal Coliform	<input type="checkbox"/>							
Fluoride	<input type="checkbox"/>							
Iron	<input type="checkbox"/>							
Magnesium	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Manganese	<input type="checkbox"/>							
Molybdenum	<input type="checkbox"/>							
Oil & Grease	<input type="checkbox"/>							
Radium	<input type="checkbox"/>							
Sulfide	<input type="checkbox"/>							
Sulfite	<input type="checkbox"/>							
Tin	<input type="checkbox"/>							
Nitrogen, Organic, Dissolved (As N)	<input type="checkbox"/>							
Sulfate, Total (As So4)	<input type="checkbox"/>							
Surfactants	<input type="checkbox"/>							
E-Coli	<input type="checkbox"/>							
Chlorine (Total Residual, TRC)	<input type="checkbox"/>							
Phosphorus (total)	<input type="checkbox"/>							
Bromide	<input type="checkbox"/>							
Nitrate-Nitrite (as N)	<input type="checkbox"/>							
Radium 226, Total	<input type="checkbox"/>							
Titanium, Total	<input type="checkbox"/>							

**Metals, Cyanide, Phenols and Dioxins**

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
2,3,7,8-TCDD (dioxin) (tetrachloro-dibenzo-p-dioxin)	<input type="checkbox"/>							
Antimony	<input type="checkbox"/>							
Arsenic	<input type="checkbox"/>							
Beryllium	<input type="checkbox"/>							
Cadmium	<input type="checkbox"/>							
Chromium	<input type="checkbox"/>							
Copper	<input type="checkbox"/>							
Cyanide	<input type="checkbox"/>							
Lead	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Mercury	<input type="checkbox"/>							
Nickel	<input type="checkbox"/>							
Phenolics (Total Phenols)	<input type="checkbox"/>							
Selenium	<input type="checkbox"/>							
Silver	<input type="checkbox"/>							
Thallium	<input type="checkbox"/>							
Zinc	<input type="checkbox"/>							
Hardness, Total (As Caco3)	<input type="checkbox"/>							
Total Phenolic Compounds	<input type="checkbox"/>							
Other	<input type="checkbox"/>							

**GC/MS Fraction – Volatile Organic Compounds**

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
1,1,1-Trichloroethane	<input type="checkbox"/>							
1,1,2,2-Tetrachloro-ethane	<input type="checkbox"/>							
1,1,2-Trichloroethane	<input type="checkbox"/>							
1,1-Dichloroethane	<input type="checkbox"/>							
1,2 Trans-Dichloroethylene OR Trans 1,2 Dichloroethene (Ethylene dichloride)	<input type="checkbox"/>							
1,2-Dichloroethane	<input type="checkbox"/>							
1,2-Dichloropropane	<input type="checkbox"/>							
1,3-Dichloropropene (1,3 Dichloro-propylene)	<input type="checkbox"/>							
2-Chloro-ethylvinyl-ether	<input type="checkbox"/>							
Accrolein	<input type="checkbox"/>							
Acrylonitrile	<input type="checkbox"/>							
Benzene	<input type="checkbox"/>							
Bromoform	<input type="checkbox"/>							
Bromomethane (methyl bromide)	<input type="checkbox"/>							
Carbon Tetrachloride	<input type="checkbox"/>							
Chlorobenzene	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Chloroethane	<input type="checkbox"/>							
Chloroform	<input type="checkbox"/>							
Chloromethane (methyl chloride)	<input type="checkbox"/>							
Dibromochloromethane (chlorodibromomethane)	<input type="checkbox"/>							
Dichlorobromo-methane	<input type="checkbox"/>							
Ethylbenzene	<input type="checkbox"/>							
Tetrachloroethene (tetrachloro-ethylene)	<input type="checkbox"/>							
Toluene	<input type="checkbox"/>							
Vinyl Chloride	<input type="checkbox"/>							
Trichlorofluoromethane	<input type="checkbox"/>							
Dichlorodifluoromethane	<input type="checkbox"/>							
Chlorodibromo-methane	<input type="checkbox"/>							
Bis (Chloromethyl) Ether	<input type="checkbox"/>							
1,2-Dichlorethane	<input type="checkbox"/>							
Methylene Chloroethane	<input type="checkbox"/>							
Other	<input type="checkbox"/>							

**GC/MS Fraction – Acid-Extractable Compounds**

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
2,4-Dichlorophenol	<input type="checkbox"/>							
2,4-Dimethylphenol	<input type="checkbox"/>							
2,4-Dinitrophenol	<input type="checkbox"/>							
2-Chlorophenol	<input type="checkbox"/>							
2-Nitrophenol	<input type="checkbox"/>							
4,6-Dinitro-2-Methylphenol (4,6 dinitro-o-cresol)(2-methyl-4,6-dinitrophenol)	<input type="checkbox"/>							
4-Nitrophenol	<input type="checkbox"/>							
Pentachlorophenol	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
P-Chloro-m-cresol (4-Chloro-3-methylphenol)	<input type="checkbox"/>							
Phenols	<input type="checkbox"/>							
2,4,6-Trichlorophenol	<input type="checkbox"/>							
Other	<input type="checkbox"/>							

**GC/MS Fraction – Base-Neutral Compounds**

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
1,2,4-Trichlorobenzene	<input type="checkbox"/>							
1,2-Dichlorobenzene	<input type="checkbox"/>							
1,2-Diphenylhydrazine	<input type="checkbox"/>							
1,3-Dichlorobenzene	<input type="checkbox"/>							
1,4-Dichlorobenzene	<input type="checkbox"/>							
2,4-Dinitrotoluene	<input type="checkbox"/>							
2,6-Dinitrotoluene	<input type="checkbox"/>							
2-Chloronaphthalene	<input type="checkbox"/>							
3,3'-Dichlorobenzidine	<input type="checkbox"/>							
4-Bromophenyl phenyl ether	<input type="checkbox"/>							
4-Chlorophenyl phenyl ether	<input type="checkbox"/>							
Acenaphthene	<input type="checkbox"/>							
Acenaphthylene	<input type="checkbox"/>							
Anthracene	<input type="checkbox"/>							
Benzidine	<input type="checkbox"/>							
Benzo(a)pyrene	<input type="checkbox"/>							
Benzo(ghi)perylene	<input type="checkbox"/>							
Benzo(a)anthracene	<input type="checkbox"/>							
Bis(2-Chloroethoxy)Methane	<input type="checkbox"/>							
Bis(2-Chloroethyl)Ether	<input type="checkbox"/>							
Bis(2-Chloroiso-propyl) ether	<input type="checkbox"/>							
Bis(2-Ethylhexyl) Phthalate	<input type="checkbox"/>							
Butyl benzyl phthalate (Benzyl butyl phthalate)	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Chrysene	<input type="checkbox"/>							
Di-N-Octyl Phthalate	<input type="checkbox"/>							
Dibenzo(a,h)anthracene	<input type="checkbox"/>							
Dibutyl phthalate (Di-n-butyl phthalate)	<input type="checkbox"/>							
Diethyl phthalate	<input type="checkbox"/>							
Dimethyl phthalate	<input type="checkbox"/>							
Fluoranthene	<input type="checkbox"/>							
Fluorene	<input type="checkbox"/>							
Hexachlorobenzene	<input type="checkbox"/>							
Hexachlorobutadiene	<input type="checkbox"/>							
Hexachlorocyclo-pentadiene (hexachloropentadiene)	<input type="checkbox"/>							
Hexachloroethane	<input type="checkbox"/>							
Indeno(1,2,3-cd)pyrene	<input type="checkbox"/>							
Isophorone	<input type="checkbox"/>							
N-Nitrosodi-n-propylamine	<input type="checkbox"/>							
N-Nitrosodi-methylamine	<input type="checkbox"/>							
N-Nitrosodi-phenylamine	<input type="checkbox"/>							
Naphthalene	<input type="checkbox"/>							
Nitrobenzene	<input type="checkbox"/>							
Phenanthrene	<input type="checkbox"/>							
Pyrene	<input type="checkbox"/>							
3,4 Benzo-fluoranthene	<input type="checkbox"/>							
Benzo(k)Fluoranthene	<input type="checkbox"/>							
Other	<input type="checkbox"/>							

**GC/MS Fraction – Pesticides**

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
4,4'-DDD	<input type="checkbox"/>							
4,4'-DDE	<input type="checkbox"/>							
4,4'-DDT	<input type="checkbox"/>							

Pollutant	<input type="checkbox"/> Believed Absent	Concentration Unit	Mass Unit	Maximum Daily Value		Average Daily Value		Source of Information
				Concentration	Mass	Concentration	Mass	
Aldrin	<input type="checkbox"/>							
Dieldrin	<input type="checkbox"/>							
Endosulfan I (alpha endosulfan)	<input type="checkbox"/>							
Endosulfan II (beta endosulfan)	<input type="checkbox"/>							
Endosulfan Sulfate	<input type="checkbox"/>							
Endrin	<input type="checkbox"/>							
Endrin Aldehyde	<input type="checkbox"/>							
Heptachlor	<input type="checkbox"/>							
Heptachlor Epoxide	<input type="checkbox"/>							
Lindane ( gamma-BHC)	<input type="checkbox"/>							
PCB-aroclor 1016	<input type="checkbox"/>							
PCB-aroclor 1221	<input type="checkbox"/>							
PCB-aroclor 1232	<input type="checkbox"/>							
PCB-aroclor 1242	<input type="checkbox"/>							
PCB-aroclor 1248	<input type="checkbox"/>							
PCB-aroclor 1254	<input type="checkbox"/>							
PCB-aroclor 1260	<input type="checkbox"/>							
Toxaphene	<input type="checkbox"/>							
alpha-BHC	<input type="checkbox"/>							
beta-BHC	<input type="checkbox"/>							
delta-BHC	<input type="checkbox"/>							
Chlordane	<input type="checkbox"/>							
Other	<input type="checkbox"/>							

**Group C. Toxic Pollutants and Hazardous Substances**

1. Do you know or have reason to believe pollutants from Table 2D-3 are discharged or may be discharged from any outfall?  Yes  No

List any of the pollutants from Table 2D-3 that you know or have reason to believe will be discharged from any outfall. For every pollutant listed, briefly describe the reasons you believe it will be present.

Pollutant	Reason for Discharge	Quantity	Units

Pollutant	Reason for Discharge	Quantity	Units

**2. Exemption Request for Hazardous Substances**

Will you discharge pollutants in Table 2D-4?  Yes  No

Are you requesting an exemption under 40 CFR 117.12(a)(2)?  Yes  No

The discharge of pollutants in Table 2D-4 may be subject to additional requirements of the Clean Water Act (CWA) §311 (Oil and Hazardous Substances Liability). These requirements are not administered through the IPDES Program. To request an exemption from these requirements under 40 CFR 117.12(a)(2), complete the following information for each pollutant. Using Table 2D-4 in the instructions, determine if you need to complete the table below:

Pollutant	Quantity	Units	Origin & Source of Discharge	Treatment Provided for the Discharge

**VI. Engineering Report on Wastewater Treatment**

A. Are there any technical evaluations concerning the wastewater treatment, including engineering reports or pilot plant studies?  Yes  No

B. Are there any existing pilot projects or production facilities resembling your facility? Provide the name and location of any existing facilities that, to the best of your knowledge, resemble this production facility with respect to production processes, wastewater constituents, or wastewater treatments.  Yes  No

Provide the name and location of any existing plant(s) which, to the best of your knowledge resembles this production facility with respect to production processes, wastewater constituents, or wastewater treatments.

Name	Location		
	Zip	City	State

**VII. Requests and Other Information (Optional)**

A. Do you intend to request one or more of the variances authorized under IDAPA or the Code of Federal Regulations?  Yes  No

- Intake credits
- Thermal discharge
- Waivers
- Water quality standards
- Water Quality Trading

B. Do you intend to request a mixing zone?  Yes  No

**Other Information (Optional)**

C. Use the space below to expand upon any of the previous questions or to alert the reviewer of any other additional information that should be considered in establishing permit limits for the

facility (e.g., intake credits, mixing zone requests, and waivers).

D. Attach Additional Information