

B.1 POINT SOURCE POLLUTANT DISCHARGE PERMIT APPLICATION

Complete this section of the application if your proposed project involves a **point source discharge of pollutants or wastewater to surface waters of the Republic of Palau**.

All existing and new point source pollutant dischargers, including but not limited to, all commercial, industrial, mining, and concentrated animal (including aquatic animal) production facilities are required to complete this application for an EQPB Point Source Pollutant Discharge Permit. If your facility is a publicly owned (State or National) sewage treatment works, complete the application Form Part II-E.2, instead. A permit to discharge pollutants or wastewater to surface waters of Palau is a requirement of the EQPB Marine and Fresh Water Quality Regulations, § 2401-11-22, § 2401-11-27 and § 2401-11-31.

If you have any questions about whether your project or facility needs a point source pollutant discharge permit, contact the EQPB office for guidance.

The following definitions apply when making a determination as to whether you should complete this application:

“Discharge” means any addition of any pollutant or combination of pollutants to surface waters of the Republic of Palau.

“Point Source” means any discernible, confined and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, vessel or other floating craft from which pollutants are or may be directly or indirectly discharged to surface waters of Palau.

“Pollutant” means but is not limited to dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions, chemical waste, biological material, radioactive materials, heat, wrecked or discarded equipment, rock, sand, and industrial, municipal and agricultural wastes. It does not mean sewage from vessels (See EQPB Regulations § 2401-11-37 and § 2401-11-38).

“Surface Waters of the Republic of Palau” means all coastal waters, lagoons, channels, bays, territorial sea, sloughs, mudflats, sandflats and mangroves, and all inland lakes, rivers, streams (including intermittent streams), wetlands and natural ponds.

1. **Outfall Location:** For each outfall, list the latitude and longitude to the nearest 15 seconds, and the name of the receiving water(s). Attach a USGS topographic map to the application showing the facility boundaries, outfall number and location, map scale, meridian arrow showing north, all surface water bodies, currents, and for tidal waters the direction of ebb and flow tides. You should name all waters to which the discharge is made and which flow into significant receiving waters. For example, if the discharge is made to a ditch which flows to into an unnamed tributary which in turn flows to a river and into the lagoon, you should provide the name (or description if no name is available) of the ditch, the tributary, river and lagoon.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	

2. **Discharge Date:** Provide the date when you expect to begin discharging. If your facility already has an existing discharge, provide the date when the discharge began.

3. **Flows, Sources of Pollution, and Treatment Technologies:** List all outfalls and for each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. You should describe the treatment in either a narrative form or list the proper code for the treatment unit from the list provided in **Table 1**. Also describe the ultimate disposal of any solid or liquid wastes not discharged. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 1)

4. **Water Flow Line Drawing:** Attach a line drawing showing the water flow through the facility from intake to discharge. An example of an acceptable line drawing is provided in Figure 1. Indicate all sources of intake water, operations contributing wastewater to the effluent, including process and production areas, sanitary flows, cooling water and stormwater runoff, and treatment units labeled to correspond to the more detailed descriptions provided in Item No. 3 above. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units and outfalls. Show all significant losses of water to production, atmosphere and discharge. 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 and treatment measures.

5. **Intermittent or Seasonal Discharges:** Except for stormwater runoff, leaks, or spills, will any of the discharges described in Item No. 3 be intermittent or seasonal?

No (Go to Item No. 6)

Yes (Complete the following table. Fill in each

applicable column. A discharge is intermittent if it occurs with interruptions during the operating hours of the facility. A discharge is seasonal if it occurs during certain parts of the year. The reported flow rate is the highest daily value. Maximum total volume means the total volume of any one discharge within 24 hours.)

Outfall Number	Frequency		Flow		
	Days per Week (specify average)	Months per Year (specify average)	Maximum Daily Flow Rate (mgd)	Maximum Total Volume (specify units)	Duration (in days)

6. Discharge Pollutants (Table 2): Provide an estimated daily maximum and average (*both concentration and total mass*) for the pollutants identified in Table 2. Data for all pollutants in Group A for all outfalls must be submitted. Data for pollutants in Group B for all outfalls should be reported only for pollutants that you believe will be present. Base your determination of whether a pollutant is or will be present in your discharge on your knowledge of the facility's raw materials, maintenance chemicals, intermediate and final products, and any analysis of your effluent or of any similar effluent. If data from sampling and analysis is available, then this data should be reported. Indicate the source of the data, such as (1) Engineering study for your facility, (2) Actual data from pilot studies, (3) Estimates from other engineering studies, (4) Data from your plant or other similar plants, (5) Best professional judgment, or (6) Others. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

1. Pollutant	2. Maximum Daily Value (include units)	3. Average Daily Value (include units)	4. Source of Data

7. **Discharge Pollutants (Table 3):** Use the space below to list any of the pollutants identified in Table 3 that you know or have reason to believe are or will be discharged from any outfall. For every pollutant you list, briefly describe the reason you believe it will be present. You do not have to provide data on concentrations.

1. Pollutant	2. Reason for Discharge

8. **Engineering Report on Wastewater Treatment:** If there is any technical evaluation concerning your wastewater treatment, including engineering reports or pilot plant studies, check the appropriate box below:
 Report Available No Report

9. 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

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

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11. **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 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 and Official Title (Type or Print)	Phone No.
Signature	Date Signed