



Fact Sheet

900-J: Requirements for New and Renewal Applications

The following provides complete requirements for new and renewal applications for the 900-J Seafood Processing General Wastewater Permit.

New permit registration application forms

- [EPA Form 1](#)
- [EPA Form 2D](#)
- [LUCS](#)

Additional requested documentation

Instructions for this additional information are also included in the permit application.

1. Summary of Application Form Requirements (see Table 2)
2. Required for Tier 1 or Tier 2 applicants: Mixing Zone Study

The general permit provides a mixing zone but applicants must show that they have enough dilution at the point where their treated waste is discharged. The permit says "The dilution ratio of the discharge to receiving water body must be a minimum of 1 to 10 at the edge of the regulatory mixing zone and a minimum of 1 to 5 at the edge of the zone of immediate dilution". This is interpreted to mean a bulk dilution of 11 at the edge of the Regulatory Mixing Zone, and a centerline dilution of 6 at the Zone of Initial Dilution.

- A Level 1 Mixing Zone study should be done to show that adequate dilution exists at the facility's outfall for the mixing zone granted in this general permit.
 - 900-J Tier 1 and Tier 2 facilities are to submit a Level 1 (or greater) mixing zone study that includes the following components (see DEQ's Regulatory Mixing Zone IMD Part 1 and 2 and instructions below):
 - i. A plan view of the discharge that includes the locations of the RMZ/ZID boundaries
 - ii. Outfall distance from the bank and outfall height above bottom (estimate ok)
 - iii. Pipe length, diameter, port diameter (estimate ok, or use engineering plans if available)
 - iv. Orientation angles (Theta, sigma, beta, gamma, as applicable.) (estimate ok, or use engineering plans if available)
 - v. Latitude and longitude of the end of pipe
 - vi. If available, photographs of the area of discharge
 - vii. Model used and reason for selection
 - viii. Description of model input parameters used
 - ix. Description of the physical mixing occurring within the near-field and the far field (see pg. 33 of IMD Part 2)
 - x. Describe critical period and reason for selection
 - xi. 10th and 90th percentile ambient velocity over the tidal cycle, ambient salinity, ambient temperature, stratification potential (estimates ok, use ambient data if available)
 - xii. Roughness Coefficient
 - xiii. For determination of dilution at ZID, model as described in IMD for Acute Aquatic Life criteria

Translation or other formats

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1. Ambient: Use 10th percentile of the absolute value of velocity measurements or estimates over the tidal cycle (unless 90th percentile results in less dilution, then use 90th)
 2. Ambient density profile that results in the lowest mixing
 3. Ambient: Use diffuser depth at low-water
 4. Effluent: Maximum daily flow for past 3 years during the critical period (or if flows are expected to increase over the life of the permit, estimate highest daily maximum flow)
 5. Effluent temperature use 90th percentile of daily maximums during critical period
 6. Report centerline dilution
- xiv. For determination of dilution at RMZ, model as described in IMD for Chronic Aquatic Life criteria
1. Ambient: Use 50th percentile of absolute value of velocity measurements
 2. Ambient density profile that results in the lowest mixing
 3. Ambient: Use diffuser depth at low-water
 4. Effluent: Highest monthly average flow for past 3 years during the critical period (or if flows are expected to increase over the life of the permit, estimate highest monthly average flow)
 5. Effluent temperature use average daily temperature during critical period
 6. Report bulk (flux average) dilution

Note: environmental mapping (section 4.1, pg. 19 of IMD part 2) is not a requirement in Schedule D(1) of the 900-J but may be included in the study

Fee range

- Please see [Table 70G](#) for application and annual fees.
- No fee required for renewal of coverage

Permit registration renewal application forms

- [Renewal](#)
- [EPA Form 2C](#)
- [LUCS](#) (if major changes have been made at the facility or site)
- **Additional requested documentation above**

Contact information

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