

**GUAM ENVIRONMENTAL PROTECTION AGENCY  
SECTION 401 WATER QUALITY CERTIFICATION  
APPLICATION (401B)**

Revised 7/98

FOR OFFICIAL USE ONLY  
Application No. \_\_\_\_\_  
Date Received: \_\_\_\_\_

Prepared by: \_\_\_\_\_  
Title: \_\_\_\_\_  
Date Prepared: \_\_\_\_\_

**DISCHARGES TO OR WITHDRAWAL FROM INLAND  
SURFACE WATERS.**

**Instructions**

1. Activities covered by this application request form include outfalls for sewage treatment plants, industrial, commercial, agricultural and residential storm water discharges, irrigation, and aquaculture water supply and discharges.
2. When addressing the following items, be sure to answer all questions. If the item is not applicable or the response is none, indicate as much and provide a brief explanation why. If there are incomplete items the application will be returned.
3. When references are made to supporting documents, studies, previous permit actions or other information, they must be identified by document name and date. All pertinent references used to support this application request must be provided.
4. The applicant should use this form; however, a similar format may be used and must include each question (item) found in this form.
5. If additional space is required, use extra sheets or the back side of this form. This form is available on diskette.

**Applicant Information**

1.a. Applicant and Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. Agent/Representative \_\_\_\_\_  
and address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Project Name and Location: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Associated Federal Permit or File No. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Project Description and Potential Effects**

4. Describe the facility and/or activity, and resultant discharge into or withdrawal from Guam Waters (streams, rivers, or wetlands) including, but not limited to, the construction or operation of the facility or activity. Include an accurate description of the physical, biological, chemical, thermal, and any other characteristics of the discharge, and the location or locations at which such discharge may enter Guam Waters or wetlands.

a. description of facility or activity (provide a facility site plan):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. description of construction actions, methodology, and operation of facility or activity:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. description of physical, biological, chemical, quantity and other characteristics of discharge or withdrawal:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d. location(s) at which the discharge will enter or withdrawal will occur from Guam Waters (provide in facility site plan): \_\_\_\_\_

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5. Provide information and analysis which describes the effect(s) of the discharge which preclude or necessitate a “zone of mixing”.

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6. Provide an analysis of the effect(s) of water withdrawal or discharge on water quality and the capacity of the remaining water resources to maintain specified uses, including downstream uses.

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7. Provide hydrological information about stream flow such as velocity and quantity during low, average and high flows.

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8. Describe any alternative(s) considered for the project and the reasons for not selecting those alternatives. Would any of the alternatives pose fewer or less intense environmental impact(s) or consequences?

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### **Water Quality Maintenance and Treatment**

9. Provide a description of the function(s) and operation of all equipment, measures, or activities employed to treat waste or effluent which may be discharged, including specification of the degree of treatment expected to be attained.

a. describe the function(s) of equipment or protection measures to treat wastes or effluent: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. specify the degree of treatment or protection to be obtained: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10. Provide the date(s) on which the activity and/or discharge will begin and end, approximate if necessary.

a. date(s) on which the activity will begin and end: \_\_\_\_\_  
\_\_\_\_\_

b. date(s) on which discharges will take place: \_\_\_\_\_  
\_\_\_\_\_

**Water Quality Monitoring**

11. Provide a description and location(s) (plan) of the measures being used or proposed to monitor water quality and characteristics of the discharge and the operation of equipment or facilities employed in the treatment, protection or/and control of wastes, effluent or withdrawal affects.

a. describe the methods to be used to monitor water quality: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. description of measures used to monitor characteristics of the discharge: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

c. describe the operation of equipment used: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

d. identify the individual(s) responsible for monitoring plan development, implementation and monitoring: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Supporting Documentation**

12. Describe the classification of the Guam's Waters and the associated recreational uses, if any, at the discharge location(s) and state whether the basic water quality criteria and applicable water quality standards will be met.

a. describe the classification and recreational uses of Guam's Water at the discharge:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

b. state whether the basic water quality criteria and applicable water quality standards will or are expected to be met and provide a signed assurance statement by the applicant that, "There is reasonable assurance that the activity will be conducted in such a manner which will not violate applicable water quality standards."

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

13. Check and submit all applicable supporting plans and documents as identified below. **The Agency may require additional documentation prior to Section 401 issuance or as a condition of issuance which may include any of the following.**

- a. \_\_\_ Construction Drawing/Plans
- b. \_\_\_ Wetland Delineation Map
- c. \_\_\_ Specifications (operational data such as pump/discharge rates, holding capacity, detention time, turnover rates etc.)
- d. \_\_\_ Environmental Baseline Survey (marine, freshwater aquatic, or adjacent upland)
- e. \_\_\_ Environmental Protection Plan (EPP)
- f. \_\_\_ Water Quality Monitoring Plan (WQMP)
- g. \_\_\_ Environmental Impact Assessment/Statement (EIA/EIS)

Comments on the status of above documents: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

14. Explain any irregularities, recent disturbances (natural or man caused), unique features and/or expected cumulative affects that may influence water quality conditions adjacent to or within the project site: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*If you require assistance in completing this application form, may call Guam EPA Environmental Planning and Review Division at (671) 475-1662 or fax (671) 477-9402.*