

NPDES Form G-Dewatering Comments



FAX TRANSMITTAL

State of Hawaii Department of Health
Environmental Management Division
Clean Water Branch - Engineering Section
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Fax No.: 946-2563

Date: December 21, 2004
Fax from: Shane Sumida

Total Pages, incl. cover: 4

Copies to: Mr. James Fu, Project Manager
State Department of Transportation
Fax No.: 692-7617

Subject: Replacement of Kokololio Stream Bridge
Kamehameha Highway - Mile Post 20.21
Koolaulua, Hauula, Oahu, Hawaii 96707
File No. HI 04GB996

The Department of Health (Department) acknowledges receipt of your Notice of Intent (NOI), dated August 16, 2004, and filing fee submitted on behalf of the State Department of Transportation, Highways Division, for coverage under the National Pollutant Discharge Elimination System (NPDES) general permit for the discharges associated with construction activity dewatering for the subject facility/site. We have reviewed your NOI and have determined that it is incomplete.

In order to process your coverage under the Hawaii Administrative Rules (HAR), Chapter 11-55, Appendix G, NPDES General Permit Authorizing Discharges Associated With Construction Activity Dewatering, we request that you submit the following information to our office to complete your NOI. Until your NOI is complete, the Department cannot proceed with the processing for your coverage under the applicable NPDES General Permit.

1. Item 7. Location Map

Provide a map showing the proposed location of the dewatering system and discharge point.

2. Item 13. Project Description

a. Item 13.b. Portion of the project involving construction dewatering

- i. Specify which portions of the construction activity require dewatering.
- ii. Provide a copy of the construction plans, reduced size preferred, of the portion of the project involving construction dewatering, including the plan and profile views of the excavation with details and dimensions.

b. Item 13.c. Construction schedule

According to the proposed schedule provided, the project should have already started. Provide an updated construction schedule, including the bid process (request for bids, bid award, etc.). The proposed construction schedule shall include the dates when the contractor will begin and end site disturbance, and the dates when the contractor will begin and end the construction dewatering process.

c. Item 13.d. Time frame of the proposed discharges

Describe the time frame of when the proposed discharges will take place during the work day (work hours, overnight, 24 hours a day, etc.).

3. Item 15. Water Quality Parameters

A source water quality sample shall be collected and analyzed for all of the parameters listed. Provide a copy of the laboratory data sheets with the Quality Assurance/Quality Control and Chain of Custody documents, and the sample collection technique, as applicable. The source water quality data may be collected from sites allowed by the Director. The analysis shall include an explanation and evaluation of the source water quality data collected with respect to the applicable specific numeric criteria for the receiving water(s) specified under HAR, Chapter 11-54. Additional instructions are provided in the Guidelines for CWB-NOI Form G.

4. Item 19. Dewatering Plan

a. Item 19.a.ii. Treatment design

The treatment design shall provide a description of dewatering treatment from intake to discharge (i.e., sheet piled excavation, slotted intake pipe, gravel filter, filter fabric around intake, sedimentation basin, filter tank, etc.).

i. Include detailed drawings, with dimensions, of the dewatering system and a map showing the location of the system in relation to the construction activity.

ii. Provide the Material Safety Data Sheet for the coagulant.

b. Item 19.a.iv. Calculations used in the treatment design

Provide calculations to estimate the dewatering flow rate and to determine the adequacy of the treatment system.

Mr. Chad McDonald
Mitsunaga & Associates, Inc.

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Coverage under the general permit shall begin upon receipt of a NGPC from the Department for your proposed activity or discharge.

A receipt for the filing fee will be provided in a future correspondence. Should you have any questions regarding your permit processing, please contact Mr. Shane Sumida of the Engineering Section, Clean Water Branch, at (808) 586-4309.

5. Item 20. Dewatering System Maintenance Plan

a. Item 20.a.ii.(2) Operations plan

The information provided for this item appears to be from a different project. Provide the operation plan for this construction activity.

b. Item 20.a.ii.(3) Maintenance scheduling or action criteria

This item should address when or under what conditions maintenance of the dewatering system (pumps, piping, treatment system, etc.) will take place. How often will the dewatering effluent treatment system be checked?

c. Item 20.a.ii.(5) Sediment handling disposal plan

This item should address how the sediment material, including excavate, will be handled, including stored, dried, and disposed of.

d. Item 20.a.ii.(6) Monitoring and visual inspection program

The dewatering discharge shall be monitored, collected, and analyzed in accordance with the Notice of General Permit Coverage (NGPC) and HAR, Chapter 11-55, Appendix G.

e. Item 20.a.ii.(8) Effluent control plan

The effluent control plan shall describe the normal dewatering operations (pump, treatment, discharge).

All submittals to complete the NOI shall contain the following signed 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."

Your NOI has been assigned the file number, HI 04GB996, and it is requested that you refer to this number in future correspondence. Provide an original and copy of the entire submittal.