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NPDES GENERAL PERMIT
AUTHORIZING DISCHARGES OF HYDROTESTING WATERS

October 2007

1. Coverage under this General Permit
 - (a) This general permit covers facilities or activities which involve a release or discharge of hydrotesting waters to state waters. "Hydrotesting Waters" means water used to test the integrity of a tank or pipeline.
 - (b) This general permit covers all areas of the State except for discharges in or to state waters classified by the department as "class 1, inland waters," "class AA, marine waters," and areas restricted in accordance with the State's "No Discharge" policy in chapter 11-54 titled "Water Quality Standards."
2. Limitations on Coverage under this General Permit
 - (a) This general permit does not cover the following:
 - (1) Discharges of hydrotesting waters into a sanitary sewer system and
 - (2) Discharges of hydrotesting waters which initially enter separate storm water drainage systems, unless a permit, license, or equivalent written approval is granted by the owner(s) of the drainage system(s) allowing the subject discharge to enter their drainage system(s).

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- (b) The director may require any permittee authorized by this general permit to apply for and obtain an individual permit, in accordance with sections 11-55-34.05 and 11-55-34.10.

3. Term of General Permit

- (a) This general permit becomes effective when section 11-55-34.02(b)(5) becomes effective ten days after filing with the office of the lieutenant governor. This general permit expires five years after the effective date or when amendments to section 11-55-34.02(b)(5) are adopted, whichever is earlier.

- (b) A notice of general permit coverage under this general permit expires:

- (1) Five years after the effective date of this general permit;
- (2) When the notice of general permit coverage specifies; or
- (3) When amendments to section 11-55-34.02(b)(5) are adopted,

whichever is earliest, unless the notice of general permit coverage is administratively extended under section 11-55-34.09(d).

4. Notice of Intent Requirements

- (a) The owner or its duly authorized representative shall submit a complete notice of intent no later than thirty days before

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the proposed starting date of the discharge or thirty days before the expiration of the applicable notice of general permit coverage.

- (b) The owner or its duly authorized representative shall include the following information in the notice of intent:
 - (1) Information required in section 34 of appendix A of chapter 11-55;
 - (2) Brief description of the project including an overview of the hydrotesting activities; an estimated timetable for major construction activities; dates on which the hydrotesting activities are projected to occur; estimated average and maximum daily flow rates; and a list of pollutants that may be present in the hydrotesting water and an explanation of its origins;
 - (3) Water quality analysis of the hydrotesting water including any toxic pollutants believed to be present in the hydrotesting water. For the hydrotesting of transmission lines, the water quality analysis for the source water may be substituted for the water quality analysis of the hydrotesting water; and
 - (4) Hydrotesting best management practices plan, including good housekeeping and mitigative measures to prevent pollutants that may be present in the hydrotesting water from entering state waters, to ensure that the hydrotesting

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water discharge will meet the conditions of this general permit, basic water quality criteria, and applicable specific water quality parameters. The hydrotesting best management practices plan may be submitted with the notice of intent or thirty days before the start of hydrotesting activities.

- (5) If the project or facility discharges hydrotesting water to a state water for which a total maximum daily load has been approved by the EPA, the permittee shall incorporate measures or controls to comply with the total maximum daily load into the project or facility's hydrotesting best management practices plan. The measures or controls shall be submitted to the director with the notice of intent or by the date the permittee claimed automatic coverage as specified in section 11-55-34.09(e)(2) or at least thirty days before the start of project or facility activities. The measures or controls to meet the total maximum daily load shall be implemented at the start of the project or facility activities.
- (c) The director may require additional information to be submitted.
- (d) The owner or its duly authorized representative shall submit a complete notice of intent to the director at the following address or as otherwise specified:

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Director of Health
Clean Water Branch
Environmental Management Division
State Department of Health
P.O. Box 3378
Honolulu, Hawaii 96801-3378

5. Standard Conditions

The permittee shall comply with the standard conditions as specified in appendix A of chapter 11-55. In case of conflict between the conditions stated here and those specified in the standard general permit conditions, the more stringent conditions shall apply.

6. Effluent Limitations and Monitoring Requirements for Transmission Line Testing

- (a) If a water quality analysis of the hydrotesting water was not provided with the notice of intent, then the water quality of the hydrotesting water shall be limited and monitored by the permittee as specified in this section and in Table 34.4. (Daily maximum effluent limitations for saline water apply only when discharges to saline water occur and daily maximum effluent limitations for fresh water apply only when discharges to fresh water occur.)

(1) Sampling Point

The permittee shall collect representative discharge samples at the end of the effluent discharge point(s) prior to entering the receiving state water or separate storm water drainage systems.

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(2) Collection of Samples

The permittee shall take samples and measurements for the purposes of monitoring which are representative of the volume and nature of the total discharge.

(3) Types of Samples

(A) "Grab sample" means an individual sample collected within the first fifteen minutes of a discharge.

(B) "Composite sample" means a combination of a least eight samples aliquots, collected at periodic intervals during the operating hours of the facility over a 24-hour period. The composite shall be flow proportional; either the time interval between each aliquot or the volume of each aliquot shall be proportional to the total effluent flow since the collection of the previous aliquot. The permittee may collect aliquots manually or automatically, unless otherwise stated.

(4) Test Procedures

(A) The permittee shall use test procedures for the analysis of pollutants which conform with regulations published under Section 304(h) of the Act.

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(B) Unless otherwise noted in this general permit, the permittee shall measure all pollutant parameters in accordance with methods prescribed in 40 CFR Part 136, promulgated under Section 304(h) of the Act. The permittee may submit applications for the use of alternative test methods in accordance with 40 CFR §136.4.

(C) The permittee shall use test methods with detection limits that reflect the applicable numerical limitations as specified in chapter 11-54. If the test result is not detectable, the permittee shall indicate that the test result is "less than #," where the # is the lowest detection limit of the test method used.

(5) Recording of Results

The permittee shall comply with section 14(c) of appendix A of chapter 11-55 for each measurement or sample taken under the requirements of this general permit.

(6) Quantity of Flow

The permittee shall estimate or calculate the quantity of hydrotesting water discharged and submit the calculations.

(b) Basic Water Quality Criteria and Inspections

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- (1) The permittee shall not cause or contribute to a violation of the basic water quality criteria as specified in section 11-54-4.
- (2) The permittee shall timely inspect the receiving state waters, effluent, and control measures and best management practices to detect violations of and conditions which may cause violations of the basic water quality criteria as specified in section 11-54-4. (e.g., the permittee shall look at effluent and receiving state waters for turbidity, color, floating oil and grease, floating debris and scum, materials that will settle, substances that will produce taste in the water or detectable off-flavor in fish, and inspect for items that may be toxic or harmful to human or other life.)

7. Corrective Action

The permittee shall immediately stop, reduce, or modify construction, hydrotesting, or implement new or revised best management practices as needed to stop or prevent a violation of the basic water quality criteria as specified in section 11-54-4.

8. Reporting Requirements

(a) Reporting of Monitoring Results

- (1) The permittee shall report monitoring results on a discharge monitoring report form (EPA No. 3320-1) or other form as specified by the director. The permittee shall submit results of all

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monitoring required by this general permit in a format that demonstrates compliance with the limitations in Table 34.4 and other requirements of this general permit.

- (2) The permittee shall submit monitoring results obtained during the previous calendar month, postmarked or received by the department no later than the twenty-eighth day of the month following the completed reporting period.
 - (3) The permittee shall also submit the monitoring results with laboratory reports, including quality assurance/quality control data; effluent flow calculations; and any additional treatment strategies to be implemented based on monitoring results.
 - (4) Should there be no discharges during the monitoring period, the discharge monitoring report form shall so state.
- (b) Additional Monitoring by the Permittee

If the permittee monitors any pollutant at location(s) designated herein more frequently than required by this general permit, using approved analytical methods as specified in section 6(a)(4)(B), the permittee shall include the results of this monitoring in the calculation and reporting of the values required in the discharge monitoring report form. The permittee shall also indicate the increased frequency.

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- (c) Reporting of Noncompliance, Unanticipated Bypass, or Upset
 - (1) The permittee or its duly authorized representative shall orally report any of the following when the permittee or its duly authorized representative becomes aware of the circumstances:
 - (A) Violation of an effluent limitation specified in Table 34.4 or a basic water quality criteria specified in section 6(b) of this general permit;
 - (B) Discharge or noncompliance with effluent limitations which may endanger health or the environment; and
 - (C) Unanticipated bypass or upset.
 - (2) The permittee shall make oral reports by telephone to the Clean Water Branch at (808) 586-4309 during regular office hours which are Monday through Friday (excluding holidays) from 7:45 a.m. until 4:15 p.m. or the Hawaii State Hospital Operator at (808) 247-2191 outside of regular office hours.
 - (3) The permittee shall provide a written report within five days of the time the permittee or its duly authorized representative becomes aware of the circumstances. The written report shall include the following:

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- (A) Description of the noncompliance, unanticipated bypass, or upset and its cause;
 - (B) Period of noncompliance, unanticipated bypass, or upset including exact dates and times;
 - (C) Estimated time the noncompliance, unanticipated bypass, or upset is expected to continue if it has not been corrected; and
 - (D) Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance, unanticipated bypass, or upset.
- (4) The director may waive the written report on a case-by-case basis if the oral report has been received within twenty-four hours.
- (d) The permittee shall notify the director of the start of the construction activities in writing within one week before the start of the construction activities.
9. Submittal Requirements
- (a) The owner or its duly authorized representative shall submit signed copies of monitoring and all other reports required by this general permit to the director at the following address or as otherwise specified:

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Director of Health
Clean Water Branch
Environmental Management Division
State Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378

- (b) The owner or its duly authorized representative shall include the following certification statement and an original signature on each submittal in accordance with section 11-55-34.08(e) or (f):

"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 or imprisonment for knowing violations."

- (c) The owner or its duly authorized representative shall include the notice of general permit coverage file number on each submittal. Failure to provide the assigned notice of general permit coverage file number for this facility on future correspondence or submittals may be a basis for delay of the processing of the document(s).

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10. Additional Conditions

The director may impose additional conditions under section 11-55-34.09(b).

11. Record Retention

The permittee shall retain all records and information resulting from the monitoring activities required by this general permit including all records of analyses performed and calibration and maintenance of instrumentation for a minimum of five years. This period of retention shall be extended during the course of any unresolved litigation or administrative enforcement action regarding the discharge of pollutants by the permittee or when requested by the director or Regional Administrator.

12. Falsifying Report

Knowingly making any false statement on any report required by this general permit may result in the imposition of criminal penalties as provided for in Section 309 of the Act and in section 342D-35, HRS.

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TABLE 34.4

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS
FOR HYDROTESTING WATER DISCHARGES

Effluent Parameter	Effluent Limitations {1}	Minimum Monitoring Frequency	Type of Sample
Quantity of Discharge (gallons)	{2}	Once/Discharge	Calculated or Estimated
Total Suspended Solids (mg/l)	{2}	Once/Discharge	Grab {3}
Turbidity (NTU)	{2}	Once/Discharge	Grab {3}
pH (standard units)	{4}	Once/Discharge	Grab {3}, {5}
Total Residual Chlorine (µg/l) {6}	19 {7} 13 {8}	Once/Discharge	Grab {3}
Toxic Pollutants {9}	{10}	Once/Discharge	{3}, {11}

mg/l = milligrams per liter
µg/l = micrograms per liter
NTU = nephelometric turbidity units

NOTES:

- {1} Pollutant concentration levels shall not exceed the effluent limits or be outside the ranges indicated in the table. Actual or measured levels which exceed those effluent limits or are outside those ranges shall be reported to the director as required in section 8(c) of this general permit.
- {2} The value shall not exceed the applicable limit as specified in chapter 11-54 for the applicable classification of the receiving state waters. If

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no limitation is specified in chapter 11-54, then only monitoring and reporting is required.

- {3} The Permittee shall sample the discharge after dechlorination and/or filtration within the first five minutes of discharge.
- {4} The pH value shall not be outside the range as specified in chapter 11-54 for the applicable classification of the receiving state waters.
- {5} The pH shall be measured within fifteen minutes of obtaining the grab sample.
- {6} The permittee shall measure for total residual chlorine immediately after obtaining a sample and only when effluent from disinfection operations is discharged.
- {7} This limitation applies when hydrotesting water is discharged into fresh waters.
- {8} This limitation applies when hydrotesting water is discharged into saline waters.
- {9} The permittee shall measure for toxic pollutants, as identified in Appendix D of 40 CFR Part 122 or in section 11-54-4, only if they are identified as potential pollutants requiring monitoring in the notice of intent. The permittee shall measure for the total recoverable portion of all metals.
- {10} Effluent limitations are the acute water quality standards established in section 11-54-4, for either fresh or saline waters. For pollutants which do not have established acute water quality standards, the permittee shall report any detected concentration greater than 0.01 µg/l.

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- {11) The permittee shall measure for cyanide and the volatile fraction of the toxic organic compounds using a grab sample. The permittee shall measure for all other pollutants, as identified in Appendix D of 40 CFR Part 122 or in section 11-54-4 using a composite sample.