State of Hawaii, Department of Health, Clean Water Branch
NOI Form F
NOI for HAR, Chapter 11-55, Appendix F - NPDES General Permit Authorizing Discharges of Hydrotesting Waters

All sections of this form MUST be completed for National Pollutant Discharge Elimination System (NPDES) General Permit compliance.

F.1 – General Information

You are required to fulfill all requirements and check the box below. If you do not check the box, your NOI will be considered incomplete, and the CWB may deny your request for NPDES general permit coverage with prejudice.

☒ *I certify that:*

- *I will design, implement, operate, and maintain a Hydrotesting Best Management Practices (BMPs) Plan to ensure that my discharges of hydrotesting waters will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix F.*
- *My Hydrotesting BMPs Plan shall include good housekeeping practices to prevent the introduction of pollutants to the hydrotesting effluent; mitigative measures (i.e., filtration system, dechlorination method, etc.) which will be installed to prevent pollutants that may be present in the hydrotesting effluent from entering the receiving State waters; and will contain appropriate measures to address Section 303(d) pollutants of concern for my receiving State water.*
- *Prior to any discharge of hydrotesting effluent, I will provide treatment to remove all pollutants of concern identified in Sections F.6, F.7, and F.8.*

F.2 –Maps

Attach, title, and identify all maps (pdf - minimum 300 dpi) listed below, in Attachment A. Please reference which maps account for the features listed below.

a. *Island on which the activity is located. Oahu, See Attachment A.1 Location Map*

b. *Location(s) of activity. Maipalaoa Bridge, over Maili Stream, near intersection of Maipalaoa Road and Farrington Highway, See Attachment A.2 Topographic Map*

c. *Topographic map or maps which clearly show the legal boundaries of the activity; location of all existing and/or proposed outfalls or discharge points; and receiving State water(s) and receiving storm water drainage system(s), if applicable, identified and labeled. See Attachment A.3 Topographic Map*

d. *Location of the tank, waterlines and/or sewer lines to be hydrotested. The proposed waterline crosses from the mauka side of Farrington Highway to the makai side at Maipalaoa Bridge. It hangs under bridge in a saddle. See Attachment A.5 Waterline Plan and Profile*

e. *Location of permit compliance sampling point(s). At either outfall structures on the Makai side of the bridge.*

Note: You are required to specify the monitoring points where samples will be taken to demonstrate permit compliance. All samples will be taken before the effluent joins or is diluted by any other wastestream, body of water, or substance. No discharge is authorized which does not totally pass through the final monitoring point. If the permit is issued, monitoring points shall not be changed without notification to and the approval of the Director of Health.

F.3 – Flow Chart or Line Drawing

Attach or insert in Attachment A, a flow chart showing the following (Check each item, as applicable):

☒ a. *General route taken by hydrotesting water through the project or activity from intake to the discharge point*

☒ b. *Structures to be hydrotested*

☒ c. *Hydrotesting Best Management Practices (BMPs) utilized (e.g.,dechlorination, filtration, etc.)*

☐ d. *Estimated quantity of flow through each applicable route from upslope to the receiving State water*

☐ e. *Drainage system(s) receiving hydrotesting effluent, as applicable (e.g., City and County of Honolulu Municipal Separate Storm Sewer System (MS4), etc.)*

☒ f. *State water name(s) receiving hydrotesting effluent*

Indicate which item(s) are not identified and explain why the item(s) are not identified: Discharge is directly to the ocean.

F.4 - Existing or Pending Permits, Licenses, or Approvals

Place a check next to all applicable Federal, State, or County permits, Licenses, or approvals for the project and specify the permit number.

☒ *Other NPDES Permit or NGPC File No.: NGPC HI R10E104 & HI 12GE092*

☐ *Department of the Army Permit (Section 404): Not required*

If your project requires work in, above, under or adjacent to State waters, please contact the Army Corps of Engineers (COE) Regulatory Branch at (808) 438-9258 regarding their permitting requirements. Provide a copy of the COE permitting jurisdictional determination (JD) or the JD with COE Person's Name, Phone Number, and Date Contacted.

☐ *Facility on SARA 313 List (identify SARA 313 chemicals on project site):* _____

☐ *RCRA Permit (Hazardous Wastes):* _____

☐ *Section 401 Water Quality Certification: Not required*

☐ *Other (Specify): SMA: 2012/SMA-8, Section 9, CZM*

F.5 – Activity Description

a. Provide an overview or describe the hydrotesting activities. The project scope involves the demolition and replacement of Maipalaoa Bridge in Waianae on the island of Oahu. The existing bridge supports four lanes of traffic on Farrington Highway and crosses Maili Stream. The existing bridge is to be demolished and a new bridge structure is to be constructed. The project scope also involves the relocation of the existing 8" waterline to the Makai edge of the bridge span and the construction of new drainage outlet structures. Construction of approximately 360 lineal feet of roadway approaches to be bridge is also included in the work. Hydrotesting will be performed on the 8" waterline being relocated and hydrotesting effluent shall be discharged to points located in Attachment A.2 Topographic Map.

b. Provide the estimated date when construction will begin. November 2015

c. Provide the estimated date when construction will end. November 2017

d. Provide the estimated date when hydrotesting activities will begin. 3/16

e. Provide the estimated date when hydrotesting activities will end. 4/16

f. Provide the estimated average daily flow rates. 9200 gpd (cfs/gpd)

g. Provide the estimated maximum daily flow rates. 18,400 gpd (cfs/gpd)

h. Provide the estimated total quantity of discharge. 27,600 gallons (gallons)

F.6 – Physical Hydrotesting Water Quality

a. Provide the source(s) of hydrotesting water
(i.e. BWS Kunia well, Nuuanu Reservoir, etc.) BWS Hoaeae Wells, Honouliuli Wells I & II, Kunia Wells I & III and Waipahu Wells IV. The BWS Laboratory results (CCR) is included and attached on Attachment B.1 Consumer Confidence Report.

b. Is the source of hydrotesting water potable?
☒ Yes ☐ No

c. Place an "x" in either the "Believe Present" column or the "Believe Absent" column based on the test results or your best estimate.

Parameter	Believe Present	Believe Absent
Floating Debris		X
Scum or Foam		X
Color		X
Odor		X

List the Discharge Point(s) that you identified in Section 6 of the e-Permitting CWB NOI Form B Through I, K, and L that apply to this table _____
Please ensure that all Discharge Points are accounted for. If you leave this item blank, we will assume that this table applies to all Discharge Points. If needed, you may copy, paste, and complete this table for each Discharge Point with different test results.

F.7 – Water Quality Parameters

You are required to fulfill all requirements in F.7.a or F.7.b below.

a. *The source of hydrotesting water is **potable**, and I have attached the water quality analysis from the source water treatment/distribution operator (i.e. Board of Water Supply, County Department of Water, etc.) in Attachment B. I acknowledge that no further testing of the source water is necessary, and I will not complete Table F.7 below.*

b. *The source of hydrotesting water is **non-potable**. Please fulfill the requirements and check the box below. If you do not check the box, your NOI will be considered incomplete, and the CWB may deny your request for NPDES general permit coverage with prejudice.*

☐ *I certify that:*

- *I tested all of the parameters in the Table F.7 below, and a copy of the laboratory data sheets with Quality Assurance/Quality Control and Chain of Custody documents is included in Attachment B. I am reporting the results of my test in Table F.7 below.*
- *All test results were obtained from a representative sample as defined in HAR, Chapter 11-55, Appendix A, Section 14(a). Note: The burden of proving that sampling or monitoring is representative is on the Permittee.*
- *The test methods that I utilized were promulgated in 40 CFR Part 136 and, when applicable, listed in the references of chemical methodology for seawater analyses (see HAR, Chapter 11-54, Section 10(b)). Note: If a test method has not been promulgated for a particular parameter, you may apply for approval of an alternate test procedure by following 40 CFR Section 136.4.*
- *The test methods that I utilized have detection limits below and closest to the numerical limit specified in HAR, Chapter 11-54. For situations where the numerical limitation is below the detection limit of the test methods, I used the test method which has the detection limit closest to the numerical limitation.*

c. *Complete Table F.7 below if the hydrotesting source water is **non-potable**. The test results shall be reported to the nearest decimal place or whole number as shown in the parentheses following each parameter. For example, "Temperature (0.1 °C)" - Temperature shall be reported to the nearest tenth of a centigrade and "Ammonia Nitrogen (1 µg/l)" - Ammonia Nitrogen shall be reported to the nearest whole microgram per liter. One test result may be reported for Salinity, Chloride, or Conductivity. If the test result is not detectable, indicate that the test result is "N.D." or "not detected."*

Table F.7

Parameter	*Test Result*	*Units*
Turbidity (0.1 NTU)		*NTU*
Total Suspended Solids (1 mg/l)		*mg/l*
pH (0.1 standard units)		*standard units*
Dissolved Oxygen (0.1 mg/l)		*mg/l*
Oxygen Saturation (1%)		*%*
Temperature (0.1 °C)		*°C*
Salinity (0.1 ppt)		*ppt*
*or Chloride (0.1 mg/l)**		*mg/l*
*or Conductivity (1 µmhos/cm)**		*µmhos/cm*
Oil and Grease (1 mg/l)		*mg/l*

* *Fresh waters and effluent samples*

List the Discharge Point(s) that you identified in Section 6 of the e-Permitting CWB Individual NPDES Form that apply to Table F.7. _____
Please ensure that all Discharge Points are accounted for. If you leave this item blank, we will assume Table F.7 applies to all Discharge Points. If needed, you may copy, paste, and complete Table F.7 for each Discharge Point with different test results.

F.8 – Toxic Parameters

a. *You are required to fulfill all requirements and check the box below if the hydrotesting source water is **non-potable**. If you do not check the box, your application will be considered incomplete, and the CWB may deny your request for NPDES general permit coverage with prejudice.*

☐ *I certify that:*

- *I tested and I am reporting (in micrograms per liter) all of the parameters which are believed to be present in the hydrotesting water in Tables F.8.a to F.8.h below. Note: As an example, if the tank previously contained a petroleum product, you should expect that petroleum product to be present in the hydrotesting waters.*
- *For all test results that were not detectable, I indicated "N.D." or "not detected" in the "Test Result" column of Tables F.8.a to F.8.h.*
- *For all parameters not believed to be present, I indicated "N/A" for "not applicable" in the "Test Result" column of Tables F.8.a to F.8.h.*
- *If the "Test Result" columns of Tables F.8.a to F.8.h are left blank, the CWB will consider these parameters to be present. The NGPC will require all of these parameters to be monitored.*
- *A copy of the laboratory data sheets with Quality Assurance/Quality Control and Chain of Custody documents, are included in Attachment B.*

- *All test results were obtained from a representative sample as defined in HAR, Chapter 11-55, Appendix A, Section 14(a). Note: The burden of proving that sampling or monitoring is representative is on the Permittee.*
- *The test methods that I utilized were promulgated in 40 CFR Part 136 and, when applicable, listed in the references of chemical methodology for seawater analyses (see HAR, Chapter 11-54, Section 10(b)). Note: If a test method has not been promulgated for a particular parameter, you may apply for approval of an alternate test procedure by following 40 CFR Section 136.4.*
- *The test methods that I utilized have detection limits below and closest to the numerical limit specified in HAR, Chapter 11-54. For situations where the numerical limitation is below the detection limit of the test methods, I used the test method which has the detection limit closest to the numerical limitation.*

b. *Complete Tables F.8.a to F.8.h below if the hydrotesting source water is **non-potable**. The parameters are categorized into Metals, Organonitrogen Compounds, Pesticides, Phenols, Phthalates, Polynuclear Aromatic Hydrocarbons, Volatile Organics, and Others and are listed alphabetically. A Glossary of Chemicals is listed in Attachment C.*

List the Discharge Point(s) that you identified in Section 6 of the e-Permitting CWB NOI Form that apply to Tables F.8.a to F.8.h. _____
Please ensure that all Discharge Points are accounted for. If you leave this item blank, we will assume Tables F.8.a to F.8.h applies to all Discharge Points. If needed, you may copy, paste, and complete Tables F.8.a to F.8.h for each Discharge Point with different test results.

Table F.8.a - Metals

Total Recoverable Metal Parameter	*Test Result*	*Units*
Aluminum		*µg/l*
Antimony		*µg/l*
Arsenic		*µg/l*
Beryllium		*µg/l*
Cadmium		*µg/l*
Chromium (VI)		*µg/l*
Copper		*µg/l*
Lead		*µg/l*
Mercury		*µg/l*
Nickel		*µg/l*
Selenium		*µg/l*
Silver		*µg/l*
Thallium		*µg/l*
Tributyltin		*µg/l*
Zinc		*µg/l*

Table F.8.b. - Organonitrogen Compounds

Organonitrogen Compound Parameter	Test Result	Units
Benzidine		µg/l
2,4-Dinitro-o-cresol		µg/l
Dinitrotoluenes		µg/l
1,2-Diphenylhydrazine		µg/l
Nitrobenzene		µg/l
Nitrosamines		µg/l
N-Nitrosodibutylamine		µg/l
N-Nitrosodiethylamine		µg/l
N-Nitrosodimethylamine		µg/l
N-Nitrosodiphenylamine		µg/l
N-Nitrosopyrrolidine		µg/l

Table F.8.c. - Pesticides

Pesticide Parameter	Test Result	Units
Aldrin		µg/l
Chlordane		µg/l
Chlorpyrifos		µg/l
DDT		µg/l
Demeton		µg/l
Dieldrin		µg/l
Endosulfan		µg/l
Endrin		µg/l
Guthion		µg/l
Heptachlor		µg/l
Lindane		µg/l
Malathion		µg/l
Methoxychlor		µg/l
Mirex		µg/l
Parathion		µg/l
TDE - metabolite of DDT		µg/l
Toxaphene		µg/l

Table F.8.d. - Phenols

Phenol Parameter	Test Result	Units
2-Chlorophenol		µg/l
2,4-Dichlorophenol		µg/l
2,4-Dimethylphenol		µg/l
Nitrophenols		µg/l
Pentachlorophenol		µg/l
Phenol		µg/l
2,3,5,6-Tetrachlorophenol		µg/l
2,4,6-Trichlorophenol		µg/l

Table F.8.e. - Phthalates

Phthalate Parameter	Test Result	Units
Bis (2-ethylhexyl) phthalate		µg/l
Dibutyl phthalate (esters)		µg/l
Diethyl phthalate (esters)		µg/l
Dimethyl phthalate (esters)		µg/l

Table F.8.f. - Polynuclear Aromatic Hydrocarbons

Polynuclear Aromatic Hydrocarbon Parameter	Test Result	Units
Acenaphthene		µg/l
Fluoranthene		µg/l
Naphthalene		µg/l
Polynuclear aromatic hydrocarbons		µg/l

Table F.8.g. - Volatile Organics

Volatile Organic Parameter	Test Result	Units
Acrolein		µg/l
Acrylonitrile		µg/l
Benzene		µg/l
Carbon tetrachloride		µg/l
Bis(2-chloroethyl)ether		µg/l
Bis(chloroethers-methyl)		µg/l
Bis(chloroisopropyl)ether		µg/l
Chloroform		µg/l
Dichlorobenzenes		µg/l

Volatile Organic Parameter	*Test Result*	*Units*
Dichlorobenzidine		*µg/l*
1,2-Dichloroethane		*µg/l*
1,1-Dichloroethylene		*µg/l*
Dichloropropanes		*µg/l*
1,3-Dichloropropene		*µg/l*
Ethylbenzene		*µg/l*
Hexachlorobenzene		*µg/l*
Hexachlorobutadiene		*µg/l*
Hexachlorocyclohexane, alpha		*µg/l*
Hexachlorocyclohexane, beta		*µg/l*
Hexachlorocyclohexane, technical		*µg/l*
Hexachlorocyclopentadiene		*µg/l*
Hexachloroethane		*µg/l*
Isophorone		*µg/l*
Pentachlorobenzene		*µg/l*
Pentachloroethanes		*µg/l*
1,2,4,5-Tetrachlorobenzene		*µg/l*
1,1,2,2-Tetrachloroethane		*µg/l*
Tetrachloroethanes		*µg/l*
Tetrachloroethylene		*µg/l*
Toluene		*µg/l*
1,1,1-Trichloroethane		*µg/l*
1,1,2-Trichloroethane		*µg/l*
Trichloroethylene		*µg/l*
Vinyl chloride		*µg/l*

Table F.8.h. - Others

Other Parameter	*Test Result*	*Units*
Chlorine		*µg/l*
Cyanide		*µg/l*
Dioxin		*µg/l*
Polychlorinated biphenyls		*µg/l*

F.9 – Hydrotesting Best Management Practices (BMPs) Plan

You are responsible for the design, implementation, operation, and maintenance of the Hydrotesing BMPs Plan to ensure that discharges of hydrotesting waters will not cause or contribute to a violation of HAR, Chapter 11-54, Chapter 11-55, and Chapter 11-55 Appendix F.

Are you submitting the Hydrotesting BMPs Plan with your NOI?

☒ *Yes. My Hydrotesting BMPs Plan complies with Section F.1. It is included in Attachment D.*

☐ *No. My Hydrotesting BMPs Plan will comply with Section F.1.* ***If you do not submit the Hydrotesting BMPs Plan with your NOI, you acknowledge that:***

- *The CWB may not provide comments on information in Section F.9.*
- *You are required to submit Section F.9 to the DOH-CWB for comment at least 30 calendar days prior to starting hydrotesting activities. All questions/concerns that the DOH may have must be answered to the satisfaction of the CWB.*
- *The CWB will review Section F.9 in the order received and will not expedite the review to accommodate your schedule.*
- *The CWB has no required time limits to review any hydrotesting BMPs Plan after issuance of an NGPC.*
- *You are potentially exposing yourself to significant delays.*

F.10 – Additional Information

Include any other site-specific information pertaining to the project or activity in Attachment E. If nothing is included in Attachment E, the CWB will assume you do not want to include additional information.