State of Hawaii, Department of Health, Clean Water Branch

**NPDES Form F**

**Application for HAR, Chapter 11-55 - NPDES Individual Permit Authorizing Discharges of Hydrotesting Waters**

**All sections of this form MUST be completed for National Pollutant Discharge Elimination System (NPDES) 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 application will be considered incomplete, and the CWB may deny your request for NPDES 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.* O‘ahu

b. *Location(s) of activity.* See **Attachment A, Exhibit 1, Items F.2.b.-e. Project Location and Hydrotesting Discharge Points.**

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, Exhibit 1, Items F.2.b.-e. Project Location and Hydrotesting Discharge Points.**

d. *Location of the tank, waterlines and/or sewer lines to be hydrotested.*. See **Attachment A, Exhibit 1, Items F.2.b.-e. Project Location and Hydrotesting Discharge Points.**

e. *Location of permit compliance sampling point(s).* See **Attachment A, Exhibit 1, Items F.2.b.-e. Project Location and Hydrotesting Discharge Points.**

*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):* See **Attachment A, Exhibit 2, Item F.3, Hydrotesting Water Flow Chart**.

☒ 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* _____

### *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.:* NPDES Forms C (Construction Storm Water) and G (Dewatering Activities)

☒ *Department of the Army Permit (Section 404):* POH-2005-00342 (April 4, 2019)

*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:* The project is exempted from obtaining a Section 401 Water Quality Certification (WQC), as provided by Senate Bill 1016 SD1 HD1 (expires June 30, 2022).

☒ *Other (Specify)*: Special Management Permit (Resolution 278-CD1); U. S. Coast Guard Clearance (obtained); Section 106, National Historic Preservation Act, Consultation (completed); Section 7, Endangered Species Act, Consultation (completed); Section 4(f) Department of Transportation Act, Consultation (completed); Stream Channel Alteration Permit (exempt per Senate Bill 1016 SD1 HD1); HDOT Plan Review (pending); Grading Permit (pending); Coastal Zone Management Federal Consistency Review (pending)

## *F.5 – Activity Description*

*a.* *Provide an overview or describe the hydrotesting activities.*

The State of Hawai‘i, Department of Transportation, Highways Division (HDOT), is proposing to repair an existing 12 inch diameter waterline that traverses beneath Kaipapa‘u Stream and replace a 16 inch diameter waterline attached to Kaipapa‘u Stream Bridge in Hau‘ula, Ko‘olauloa District, Island of O‘ahu, Hawai‘i.

Portions of an existing 12-inch diameter waterline beneath Kaipapa‘u Stream will be repaired. The portions of the 12-inch waterline to be replaced are located outside the stream (see **Attachment F, Construction Drawings, C-20, C-28**) and will be repaired via open trench (approximately 85 linear feet). The existing 12-inch waterline under the stream will be temporarily removed from service during the repairs and then reconnected and placed back into service following completion of the 12-inch waterline work. During repairs a temporary 12-inch 125-foot-long or 125 square foot waterline will be placed on the existing pedestrian bridge.

The replacement of an existing 16-inch diameter will require the removal of the existing waterline, placement of a temporary waterline, and installation of the new 16-inch diameter waterline over the stream. The temporary 16-inch diameter 250-foot-long or 333 square foot waterline will be placed on the temporary detour bridge during construction. The new permanent 16-inch diameter 155 feet long or 207 square feet waterline will be installed over the stream within the new bridge 3.2-foot-wide concrete bridge encasement. Following the installation of the 16-inch permanent waterline the temporary waterline will be removed.

The replacement of the Kaipapa‘u Stream Bridge and maintenance work will be completed through phased construction and demolition. Silt fences will be installed on down slope portions of the project site. A staging area, temporary dewatering basin, temporary concrete wash-out basin, and stabilized construction entrances will be prepared.

The sequencing of construction activity is as follows:

- Install best management practices (BMPs)/erosion control measures (see **Attachment F, Construction Drawings, Sheet C-18**).
- Install temporary 12" water line and relocate existing 12" water line (see **Attachment F, Construction Drawings, Sheets C-20, C-28,** and **C-29**).
- Relocate electrical utilities.
- Construct trial and load test drilled shafts and perform load test.
- Construct detour roadway and temporary Acrow bridge.
- Demolish existing Kaipapaʻu Stream Bridge. Expose existing 16" water line jacket and concrete support system.
- Construct Phase 1 of new Kaipapaʻu Stream Bridge (see **Attachment F, Construction Drawings, Sheets S0.7, S0.7A, S0.7B**).
- Partially remove detour roadway and temporary bridge. Construct temporary pavement transitions, signing and pavement markings.
- Construct Phase 2 of new Kaipapaʻu Stream Bridge (see **Attachment F, Construction Drawings, Sheets S0.8, S0.8A, S0.8B**).
- Remove remainder of detour roadway and temporary bridge.
- Construct sandbags and shotcrete lining along north bank above stream, upstream of Kaipapaʻu Stream Bridge (see **Attachment F, Construction Drawings, Sheet C-18**).
- Construct dumped riprap along north and south bank above stream, downstream of Kaipapaʻu Stream Bridge (see **Attachment F, Construction Drawings, Sheets C-16** and **C-18**).
- Construct AC pavement (see **Attachment F, Construction Drawings, Sheet C-16**).
- Construct final signing and pavement markings.
- Remove temporary BMPs.

**Procedures for hydrotesting of the waterlines will involve the following:**

1. **Hydrotesting of waterline integrity**: The waterlines will be tested for integrity against leakage followed by pre-flushing of hydrostatic test water. All hydrostatic testing, pre-flushing and chlorination will be undertaken using potable source water.

2. **Chlorination**: Chlorination will be introduced to the sections of the waterline to be disinfected. Flushing/chlorination procedures consists of the following: a) initial flush; b) inject chlorine; c) flush solution and sample; d) inject chlorine again, and e) flush solution and sample. This process is repeated if the samples fail specified laboratory tests for water quality. Data concerning concentration and length of time for disinfection are to be provided to DOH, Clean Water Branch (CWB), by the hydrotesting/chlorination contractor no fewer than 30 days prior to the start of hydrotesting activity.

3. **De-chlorination**: The section of waterline being disinfected will be de-chlorinated using sodium thiosulfate. A solution will be mixed to an average concentration of 60 lbs/100,000 gallons. The solution will be mixed with chlorinated effluent per attached, see **Attachment A, Exhibit 3, Item F.5.a., Hydrotesting Sequence**. Water quality will be monitored by the hydrotesting/chlorination contractor during flushing and de-chlorination of the effluent. Upon satisfactory flushing of all trace levels of chlorine, use of sodium thiosulfate will be terminated.

4. **Bacterial testing**: Following de-chlorination the discharge water will be tested for bacteria by the hydrotesting/chlorination contractor. As required: a) Upon successful disinfection, work will proceed to the next segment that needs dewatering; b) If bacterial tests indicate further need for chlorination, the steps indicated above will be repeated until successful results are obtained. Hydrotesting discharges for the waterlines will be directed to the filter box as represented in **Attachment A, Exhibit 4, Items F.5.a. and F.9, Filter System**.

*b. Provide the estimated date when construction will begin.*
The estimated scheduled start time for construction is January 2021. The overall duration of the project is expected to be approximately three years. A detailed schedule of construction activity will be completed when a contractor is selected for the project and provided to DOH-CWB 30 days prior to the start of construction.

*c. Provide the estimated date when construction will end.*
To be determined by the General Contractor, dates will be submitted to DOH CWB 30 days before the start of construction.

*d. Provide the estimated date when hydrotesting activities will begin.*
To be determined by the General Contractor, dates will be submitted to DOH CWB 30 days before the start of construction.

*e. Provide the estimated date when hydrotesting activities will end.*
To be determined by the General Contractor, dates will be submitted to DOH CWB 30 days before the start of construction.

*f. Provide the estimated average daily flow rates.*
<1.34 cfs (maximum discharge 130,559.69 gallons)

*g. Provide the estimated maximum daily flow rates.*
<1.34 cfs (maximum discharge 130,559.69 gallons)

*h.* *Provide the estimated total quantity of discharge.*
Maximum discharge 130,559.69 gallons

## *F.6 – Physical Hydrotesting Water Quality*

*a.* *Provide the source(s) of hydrotesting water*
Board of Water Supply potable water from Hau‘ula and Ma‘akua Wells. See **Attachment B, Board of Water Supply Source Water Quality Mineral Analysis**.

*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 Individual NPDES Form that apply to this table*
Discharge Point 1 (From), Kaipapa‘u Stream, Class 2, Inland: 21.61717846380141” N, -157.9142857880188 W; and Discharge Point 2 (To), Kaipapa‘u Stream, Class 2, Inland -21.617151034652878 N, -157.91334701486358 W.

*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.***

Hydrotesting source water will be Board of Water Supply potable water from Hau‘ula and Ma‘akua Wells. See **Attachment B, Board of Water Supply Source Water Quality Mineral Analysis**.

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 application will be considered incomplete, and the CWB may deny your request for NPDES 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)* | N/A | *NTU* |
| *Total Suspended Solids (1 mg/l)* | N/A | *mg/l* |
| *pH (0.1 standard units)* | N/A | *standard units* |
| *Dissolved Oxygen (0.1 mg/l)* | N/A | *mg/l* |
| *Oxygen Saturation (1%)* | N/A | *%* |
| *Temperature (0.1 $^{o}$C)* | N/A | *$^{o}$C* |
| *Salinity (0.1 ppt)* | N/A | *ppt* |
| *or Chloride (0.1 mg/l)** | N/A | *mg/l* |

| *Parameter* | *Test Result* | *Units* |
|---|---|---|
| *or Conductivity (1 µmhos/cm)** | N/A | *µmhos/cm* |
| *Oil and Grease (1 mg/l)* | N/A | *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.* Discharge Point 1 (From), Kaipapa‘u Stream, Class 2, Inland: 21.61717846380141” N, -157.9142857880188 W; and Discharge Point 2 (To), Kaipapa‘u Stream, Class 2, Inland - 21.617151034652878 N, -157.91334701486358 W.

*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 permit coverage with prejudice.*

Hydrotesting source water will be Board of Water Supply potable water from Hau‘ula and Ma‘akua Wells. See **Attachment B, Board of Water Supply Source Water Quality Mineral Analysis**.

☒ *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 NPDES permit 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.*

Hydrotesting source water will be Board of Water Supply potable water from Hau‘ula and Ma‘akua Wells. See **Attachment B, Board of Water Supply Source Water Quality Mineral Analysis**.

*List the Discharge Point(s) that you identified in Section 6 of the e-Permitting CWB Individual NPDES Form that apply to Tables F.8.a to F.8.h.* Discharge Point 1 (From), Kaipapa‘u Stream, Class 2, Inland: 21.61717846380141” N, -157.9142857880188 W; and Discharge Point 2 (To), Kaipapa‘u Stream, Class 2, Inland - 21.617151034652878 N, -157.91334701486358 W.

*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* | N/A | *µg/l* |
| *Antimony* | N/A | *µg/l* |
| *Arsenic* | N/A | *µg/l* |
| *Beryllium* | N/A | *µg/l* |
| *Cadmium* | N/A | *µg/l* |
| *Chromium (VI)* | N/A | *µg/l* |
| *Copper* | N/A | *µg/l* |
| *Lead* | N/A | *µg/l* |
| *Mercury* | N/A | *µg/l* |
| *Nickel* | N/A | *µg/l* |
| *Selenium* | N/A | *µg/l* |
| *Silver* | N/A | *µg/l* |
| *Thallium* | N/A | *µg/l* |

| *Total Recoverable Metal Parameter* | *Test Result* | *Units* |
|---|---|---|
| *Tributyltin* | N/A | *µg/l* |
| *Zinc* | N/A | *µg/l* |

***Table F.8.b. - Organonitrogen Compounds***

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

***Table F.8.c. - Pesticides***

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

***Table F.8.d. - Phenols***

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

***Table F.8.e. - Phthalates***

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

***Table F.8.f. - Polynuclear Aromatic Hydrocarbons***

| *Polynuclear Aromatic Hydrocarbon Parameter* | *Test Result* | *Units* |
|---|---|---|
| *Acenaphthene* | N/A | *µg/l* |
| *Fluoranthene* | N/A | *µg/l* |
| *Naphthalene* | N/A | *µg/l* |
| *Polynuclear aromatic hydrocarbons* | N/A | *µg/l* |

***Table F.8.g. - Volatile Organics***

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

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

***Table F.8.h. - Others***

| *Other Parameter* | *Test Result* | *Units* |
|---|---|---|
| *Chlorine* | N/A | *µg/l* |
| *Cyanide* | N/A | *µg/l* |
| *Dioxin* | N/A | *µg/l* |
| *Polychlorinated biphenyls* | N/A | *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 NPDES application?*

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

☐ *No. My Hydrotesting BMPs Plan will comply with Section F.1.* ***If you do not submit the Hydrotesting BMPs Plan with your NPDES application, 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 NPDES Permit.*
- *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.* See **Attachment E, Hydrotesting Discharge Calculations**.