State of Hawaii, Department of Health, Clean Water Branch
NPDES Form G
Application for HAR, Chapter 11-55 - NPDES Individual Permit Authorizing Discharges Associated with Construction Activity Dewatering

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

G.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 Site-Specific Dewatering Plan to ensure that my discharges associated with construction activity dewatering will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix G.*
- *My Site-Specific Dewatering Plan shall adequately address the minimum items in Attachment D of this form and contain appropriate measures to address Section 303(d) pollutants of concern for my receiving State water.*
- *Prior to any discharge of dewatering effluent, I will provide treatment to remove all pollutants of concern identified in Sections G.6, G.7, G.8, and G.9.*

G.2 –Dewatering Discharge Information

a. *Provide the quantity of discharge based on your proposed method of dewatering for the project* 312,138 *(gallons)*

b. *Provide the rate of discharge based on your proposed method of dewatering for the project* 16,803 *(gpd)*

c. *Check the appropriate box(es) to indicate the frequency of discharge (how often discharge into the receiving State water will occur):*

☐ *Continuous. "Continuous discharge" means a discharge which occurs without interruption throughout the operating hours of the facility, except for infrequent shut-downs for maintenance, process changes, or other similar activities.*

☐ *Emergency.*

☐ *Daily.*

☒ *Intermittent. "Intermittent discharge" means a discharge that is not continuous.*

G.3 –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. See **Attachment A, Figure 1, Project Location**.

b. Location(s) of the proposed dewatering activity. See **Attachment A, Figure 1, Project Location**; **Attachment A, Figure 2, Site Layout Plan**; and **Attachment B, Construction Drawings, C-18**.

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 B, Construction Drawings.**

d. Location(s) where the water quality sample was collected in relation to the proposed dewatering activity. See **Attachment C, Source Water Quality Assessment, Figure 2** and **Attachment A, Figure 2, Site Layout Plan**.

e. Plan and profile of the proposed excavation. **Attachment B, Construction Drawings.**

G.4 – 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, Figure 3, Dewatering Flow Chart**.

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

☒ *b. Source water (e.g. ground water, seepage, storm water, etc.) from areas to be dewatered*

☒ *c. Treatment systems that will be utilized*

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

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

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

Indicate which item(s) are not identified and explain why the item(s) are not identified
No drainage system will receive dewatering effluent

G.5 - 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 NPDES Forms F (Hydrotesting 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)

G.6 – Activity Description

a. Describe the construction activity. The existing Kaipapa'u Stream Bridge is deficient due to age and dilapidation, and requires demolition and replacement. The project area required for construction would be approximately 1.6 acres. The project's scope of work includes installation of erosion controls, clearing, grubbing, grading, temporary placement of sand bags to redirect the stream during construction relocation and installation of waterlines and electrical lines, construction and use of a temporary detour roadway and Acrow bridge, demolition of the existing bridge and construction of a new bridge, partial demolition and reconstruction of the abutments, removal of the existing center pier wall, excavation & construction of eight new drilled shafts outside the stream channel, maintenance dredging, and bank stabilization with shotcrete and dumped rip-rap. All excavated material (soils & dewatering effluent) will be placed in a temporary retention area for treatment and disposal. No excavated material will discharge to the stream.

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.

Sandbags will be used to divert normal-stream flow around the work area. The temporary placement of sandbags to redirect the stream during construction of the temporary detour road (sandbag diversion approximately 610 feet long) and new bridge (sandbag diversion

approximately 600 feet long) and will be designed based on the Contractor's means and methods. It is assumed that 7 sandbags (1-foot-wide each) will be placed at the base (4 sandbags on the side of the channel closer to the work area, and 3 sandbags on the other side of the temporary channel). Placement of the temporary sandbag diversion will require approximately 25 cubic yards (CY) of temporary fill placed within the Mean Higher High Water (MHHW) and 5 CY of temporary fill placed within the Ordinary High Water Mark (OHWM).

A temporary construction entrance ramp will be constructed on the mauka and makai portions of the stream comprised of dumped rip-rap. There will be no interruption of stream flow. In-stream work will be completed during the low rainfall season (August to October), and during fair weather conditions.

Approximately 270 CY of maintenance dredging will be performed to remove accumulated sediment and debris from under and around the bridge partially within the MHHW. Approximately 5 CY is located within the MHHW of Kaipapaʻu Stream. The excavated spoils and demolition debris will not be discharged into the stream. Spoils will be dewatered in a detention basin and dried debris will be disposed of off-site at a County-approved landfill. Removed material will be contained in a temporary stockpile site with implemented best management practices (BMPs) to contain and prevent material from comingling with storm water runoff and entering into State waters. A solid waste disclosure form will be submitted to the Department of Health (DOH) Solid Waste Branch.

The temporary Acrow bridge will be 90 feet long by 42 feet wide, or approximately 3,780 square feet, and constructed with pre-cast concrete pier columns supporting the steel deck. The bridge will be comprised of two lanes and a pedestrian walkway on the makai side of the Kaipapaʻu Stream Bridge to mitigate traffic impacts during construction. The Acrow bridge will be constructed and installed in two 45-foot spans and supported by five pre-cast concrete piers, one of which is located within the MHHW. Placement of the one pier in the MHHW will require 1 CY of temporary fill below the MHHW. Temporary dumped rip-rap will be placed around the Acrow bridge pier within the MHHW and be sized approximately 54 feet long by 15 feet wide by 2 feet deep, or 810 square feet, with a volume of 50 CY. A 6-foot temporary layer of filter rock will be placed under the rip-rap with a volume of approximately 13 CY. Upon completion of the bridge replacement, the Acrow bridge and piers will be removed and disturbed areas restored to their pre-construction condition.

Demolition of the existing Kaipapaʻu Stream Bridge will include the removal of the existing concrete center pier wall, of which approximately 5 CY is located within the MHHW(26 feet long by 4 feet wide or approximately 104 square feet).

The new replacement bridge will be 110 feet long by 57 feet wide, or approximately 6,270 square feet, and include two 12-foot travel lanes plus two 8.5-foot shoulders, two 5-foot pedestrian walkways/bicycle lanes, reinforced guardrails, and drainage features. The new bridge will be constructed using prestressed concrete planks and cast-in-place bridge decks. The new right-of-way (ROW) will be 66 feet wide. The project will involve partial demolition and reconstruction of the abutments requiring excavation and construction of eight new 4-foot drilled shafts outside of the OHWM and MHHW. All work proposed for the reconstruction of the Kaipapaʻu Stream Bridge would be completed above and along the outer banks of the streams and no work is proposed within the stream. The new bridge would accommodate utilities currently attached to the existing bridge. No debris would be allowed to fall into or enter the stream.

The north bank makai of the bridge will be stabilized with dumped rip-rap outside of the MHHW. In addition to stabilization, the dumped rip-rap will provide construction access to the stream for mechanical equipment.

A section of the existing wall running along the northern bank mauka of the bridge collapsed during a major storm in 2008. Emergency repairs were conducted to create a wall of sandbags. The existing sandbag wall, located outside the OHWM, will be stabilized with the placement of basalt boulders at the toe of the sandbags. The existing sandbags will then be covered with shotcrete. Work for the stabilization of the wall will be performed above the OHWM. No debris would be allowed to fall into or enter the stream.

Portions of an existing 12-inch diameter waterline beneath Kaipapaʻu Stream will be repaired. The portions of the 12-inch waterline to be replaced are located outside the stream (see **Attachment B, 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.

Above the MHHW and OHWM, the project will also include the reconstruction of the 6-foot-high concrete wall with wood fence panels on the northern side of the bridge, replacement of fencing, acquisition of two properties (Tax Map Keys (TMKs) 5-4-18: 3 and 5-4-11: 20), removal of an existing septic system and leaching field on TMK: 5-4-11: 20, and demolition of two buildings on TMK 5-4-18: 3 and one building on TMK 5-4-11: 20. Acquisition of property and demolition of structures is required for construction access and for the installation of waterlines to be supported on the outside edges of the new bridge.

In-water work would only be required for the minor maintenance dredging, removal of the existing bridge center pier wall, temporary placement of sandbags to divert the steam around the open work area, and temporary placement of one Acrow bridge pier within Kaipapaʻu Stream.

The sequencing of construction activity is as follows:

- Install best management practices (BMPs)/erosion control measures (see **Attachment B, Construction Drawings, Sheet C-18** and **C-27**).
- Install temporary 12" water line and relocate existing 12" water line (see **Attachment B, 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 (see **Attachment B, Construction Drawings, Sheets C-22**, and **C-27**).
- 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 B, Construction Drawings, Sheets S0.7, S0.7A,** and **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 B, Construction Drawings, Sheets S0.8, S0.8A,** and **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 B, Construction Drawings, Sheet C-18**).
- Construct dumped riprap along north and south bank above stream, downstream of Kaipapaʻu Stream Bridge (see **Attachment B, Construction Drawings, Sheets C-16** and **C-18**).

- Construct AC pavement (see **Attachment B, Construction Drawings, Sheet C-16**).
- Construct final signing and pavement markings.
- Remove temporary BMPs.

b. *Check one of the boxes below to indicate if the construction activity requires NPDES permit coverage for discharges of storm water associated with construction activities.*

☐ *Yes, my construction activity has a total land disturbance of one (1) acre or more. My NPDES Permit or NGPC File No. is included in G.5 above.*

☒ *Yes, my construction activity has a total land disturbance of one (1) acre or more. I will submit an NPDES permit application to the CWB.*

☐ *No, my construction activity disturbs less than one (1) acre. I will utilize BMPs at the construction site to prevent pollution to State waters.*

c. *Describe the portion of the project that involves construction dewatering* Dewatering activities will be required for the installation of the eight 4-foot drilled shafts and piles for the bridge abutments. See **Attachment A, Figure 2, Site Layout Plan**; and **Attachment B, Construction Drawings, Sheets C-18** and **C-20.**

d. *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.

e. *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.

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

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

h. *Describe the time frame of when the proposed dewatering discharges will take place during the work day (work hours, overnight, 24 hours a day, etc.).* Dewatering activities will be intermittent according to the construction phasing. Dewatering activities is expected to occur only during normal working hours.

i. *Describe the history of land use at the proposed construction site and surrounding area. The history of land use shall include the facilities and/or activities that have occurred in the past. Make note of any known or possible contamination that may have taken place at the proposed construction site or in the surrounding area. Include any completed or on-going corrective measures that have been implemented to remediate the contaminated area(s)* The project is located along Kamehameha Highway (State Route 83) near

Milepost 21 in the Hauʻula, Island of Oʻahu, Hawaiʻi, and includes replacing the existing 1932 Kaipapaʻu Stream Bridge with a new bridge and maintenance dredging and bank stabilization of the Kaipapaʻu Stream. The bridge serves northbound traffic (toward Kahuku) and southbound traffic (toward Kaneʻohe) on Kamehameha Highway. The bridge structure has two 40-foot spans and is constructed from reinforced concrete with a wooden pedestrian walkway attached to the mauka (west) side of the bridge. The bridge crosses Kaipapaʻu Stream approximately 300 feet upstream from coastal marine waters. Beneath and makai of the Kaipapaʻu Stream Bridge the stream is tidally influenced. Lands surrounding the bridge are single family residential and commercial in character and are privately owned. Parcels immediately surrounding Kaipapaʻu Stream Bridge are single family residential.

j. *Describe the potential pollutant(s) that may be present and its source(s) at the proposed construction site and surrounding area. If any known or possible contamination that has taken place at the proposed construction site or in the surrounding area has not been remediated, the pollutant(s) and its source(s) should be included in this item. This item should address the pollutant(s) and source(s) associated with the past or existing conditions at the construction site and surrounding areas, not those associated with the proposed construction activity .* There are no pre-existing conditions other than soils that would result in potential for adverse impacts due to construction storm water runoff. The following practices will be employed to prevent discharges due to erosion: (1) adherence to the County-approved Erosion Control Plan; and (2) structural measures including the use of temporary BMPs shall be placed to divert storm flows around materials storage locations. PVC sheet plastic or similar material shall also be placed to prevent inadvertent mixing of stored materials with storm water. Where mixing of storm water with soils cannot be avoided use of silt fencing and/or vegetative controls including grassing and hydro-mulching will be employed.

G.7 – Physical Source Water Quality

a. *Provide the source of the construction activity dewatering effluent (i.e.* ground water, seepage, storm water, etc.. Groundwater

b. *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 No. 1 (From), Kaipapaʻu Stream (21.61717846380141, -157.9142857880188); and

Discharge Point No. 2 (To), Kaipapaʻu Stream (21.617151034652878, -157.91334701486358) (See **Attachment A, Figure 2, Site Layout Plan**).

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.

G.8 – Water Quality Parameters

a. 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.

See **Attachment C, Source Water Quality Assessment.**

☒ *I certify that:*

- *I tested all of the parameters in the Table G.8 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 G.8 below.*
- *I have included a description of my sample collection technique 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 Table G.8 below. 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 G.8

Parameter	*Test Result*	*Units*
Total Nitrogen (10 µg/l)	710	*µg/l*
Ammonia Nitrogen (1 µg/l)	N.D.	*µg/l*
Nitrate + Nitrite (1 µg/l)	540	*µg/l*
Total Phosphorus (10 µg/l)	28	*µg/l*
Turbidity (0.1 NTU)	0.42	*NTU*
Total Suspended Solids (1 mg/l)	0.6	*mg/l*
pH (0.1 standard units)	6.74	*standard units*
Dissolved Oxygen (0.1 mg/l)	3.54	*mg/l*
Oxygen Saturation (1%)	62	*%*
Temperature (0.1 ^{o}C)	24.7	*^{o}C*
Salinity (0.1 ppt)	N.D.	*ppt*
*or Chloride (0.1 mg/l)**	N/A	*mg/l*
*or Conductivity (1 µmhos/cm)**	357	*µmhos/cm*
Oil and Grease (1 mg/l)	N.D.	*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 G.8 Discharge Point No. 1 (From), Kaipapa‘u Stream (21.61717846380141, -157.9142857880188); and Discharge Point No. 2 (To), Kaipapa‘u Stream (21.617151034652878, -157.91334701486358) (See **Attachment A, Figure 2, Site Layout Plan**).
Please ensure that all Discharge Points are accounted for. If you leave this item blank, we will assume Table G.8 applies to all Discharge Points. If needed, you may copy, paste, and complete Table G.8 for each Discharge Point with different test results.

G.9 – Toxic Parameters

a. *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.*

See **Attachment C, Source Water Quality Assessment.**

☒ *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 construction dewatering effluent in Tables G.9.a to G.9.h below. Note: Everything identified in G.6.g. and G.6.h. shall be included.*
- *For all test results that were not detectable, I indicated "N.D." or "not detected" in the "Test Result" column of Tables G.9.a to G.9.h.*

- *For all parameters not believed to be present, I indicated "N/A" for "not applicable" in the "Test Result" column of Tables G.9.a to G.9.h.*
- *If the "Test Result" columns of Tables G.9.a to G.9.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 G.9.a to G.9.h below. 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 Individual NPDES Form that apply to Tables G.9.a to G.9.h Discharge Point No. 1 (From), Kaipapa'u Stream (21.61717846380141, -157.9142857880188); and Discharge Point No. 2 (To), Kaipapa'u Stream (21.617151034652878, -157.91334701486358) (See **Attachment A, Figure 2, Site Layout Plan**).

Please ensure that all Discharge Points are accounted for. If you leave this item blank, we will assume Tables G.9.a to G.9.h applies to all Discharge Points. If needed, you may copy, paste, and complete Tables G.9.a to G.9.h for each Discharge Point with different test results.

Table G.9.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*
Tributyltin	N/A	*µg/l*
Zinc	N/A	*µg/l*

Table G.9.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 G.9.c. - Pesticides

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

Table G.9.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 G.9.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 G.9.f. - Polynuclear Aromatic Hydrocarbons

Polynuclear Aromatic Hydrocarbon Parameter	*Test Result*	*Units*
Acenaphthene	N.D.	*µg/l*
Fluoranthene	N.D.	*µg/l*
Naphthalene	N.D.	*µg/l*
Polynuclear aromatic hydrocarbons	N.D.	*µg/l*

Table G.9.g. - Volatile Organics

Volatile Organic Parameter	*Test Result*	*Units*
Acrolein	N.D.	*µg/l*
Acrylonitrile	N.D.	*µg/l*
Benzene	N.D.	*µg/l*
Carbon tetrachloride	N.D.	*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.D.	*µg/l*
Dichlorobenzenes	N.D.	*µg/l*

Volatile Organic Parameter	*Test Result*	*Units*
Dichlorobenzidine	N/A	*µg/l*
1,2-Dichloroethane	N.D.	*µg/l*
1,1-Dichloroethylene	N/A	*µg/l*
Dichloropropanes	N.D.	*µg/l*
1,3-Dichloropropene	N.D.	*µg/l*
Ethylbenzene	N.D.	*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.D.	*µg/l*
Tetrachloroethanes	N.D.	*µg/l*
Tetrachloroethylene	N/A	*µg/l*
Toluene	N.D.	*µg/l*
1,1,1-Trichloroethane	N.D.	*µg/l*
1,1,2-Trichloroethane	N.D.	*µg/l*
Trichloroethylene	N/A	*µg/l*
Vinyl chloride	N.D.	*µg/l*

Table G.9.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*

G.10 – Site-Specific Dewatering Plan

You are responsible for the design, implementation, operation, and maintenance of the Site-Specific Dewatering Plan to ensure that discharges associated with construction activity dewatering will not cause or contribute to a violation of HAR, Chapter 11-54, Chapter 11-55, and Chapter 11-55 Appendix G.

Are you submitting the Site-Specific Dewatering Plan with your NPDES application?

☐ *Yes. My Site-Specific Dewatering Plan complies with Section G.1 and the minimum requirements in Attachment D. It is included in Attachment D*

☒ *No. My Site-Specific Dewatering Plan will comply with Section G.1 and the minimum requirements in Attachment D.* ***If you do not submit the Site-Specific Dewatering BMPs Plan with your NPDES application, you acknowledge that:***

- *The CWB may not provide comments on information in Section G.10.*
- *You are required to submit Section G.10 to the DOH-CWB for comment at least 30 calendar days prior to starting dewatering activities. All questions/concerns that the DOH may have must be answered to the satisfaction of the CWB.*
- *The CWB will review Section G.10 in the order received and will not expedite the review to accommodate your schedule.*
- *The CWB has no required time limits to review any Site-Specific Dewatering Plan after issuance of an NPDES Permit.*
- *You are potentially exposing yourself to significant delays.*

G.11 – 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.