State of Hawaii, Department of Health, Clean Water Branch
NPDES Form C
Application for HAR, Chapter 11-55 - NPDES Individual Permit Authorizing Discharges of Storm Water Associated With Construction Activities (as defined in 40 CFR §§122.26(b)(14)(x) and 122.26(b)(15)(i))

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

C.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:

- *My Storm Water Pollution Prevention Plan (SWPPP) was prepared in accordance with HAR, Chapter 11-55, Appendix C, Section 7.*
- *I will comply with all terms, conditions, and requirements in HAR Chapter 11-55, Appendix C.*
- *I will implement, operate, and maintain my SWPPP to ensure that storm water discharges associated with construction activities will not violate HAR, Chapter 11-54; HAR, Chapter 11-55; and HAR, Chapter 11-55, Appendix C.*

C.2 - Existing Pollution Sources/ History of Land Use

Describe the history of land use at the existing Facility/Project site: Kamehameha Highway in the vicinity of the project was built in 1928 to 1930. The roadway is classified as a Principal Arterial and has undergone numerous resurfacing, traffic signals, highway lighting and guardrail improvements since.

Determine if the existing Facility/Project site may contain any existing pollution source(s) by using the following references. Place a check next to all references you utilized to determine existing pollution source(s). You are required to check at least one reference.

❑ *a. DOH, Solid and Hazardous Waste Branch-Hawaii Underground Storage Tank- Leaking Underground Storage Tank database*
❑ *b. DOH, Hazard Evaluation and Emergency Response Office records*
❑ *c. Phase I and/or Phase II Environmental Site Assessments, as applicable*
☒ *d. Recent site inspections*

❑ *e. Past land use history*
❑ *f. Soil sampling data, if available*
❑ *g. Other (specify):* _____

Describe any existing pollution source(s) identified in the references you checked above: *Pollution sources include oil, grease, silt, and litter from motor vehicles using the roadway.*

Describe any corrective measures that have been undertaken for any existing pollution source(s): *Corrective measures include periodic sweeping and other maintenance activities as required to minimize pollutants from entering receiving waters.*

C.3 - Construction Site Estimates

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: *23.5* *acres*

Construction site area to be disturbed including storage and staging areas: *23.5* *acres*

Impervious area before construction: *14.1* *acres*

Impervious area after construction: *14.1* *acres*

C.4 - Quantity of Storm Water Runoff

Estimate the quantity of storm water runoff during construction when the greatest and/or maximum area of disturbance occurs. Provide the supporting calculations in an attachment or insert in this section.

_____ *Millions of Gallons per Day (MGD)*

or

78.2 *Cubic Feet per Second (CFS)*

C.5 - Soil Characterization

Describe the nature of the soil on the project site (including the potential to encounter contaminated soil) and the nature of the fill material to be used: *The underlying soil of the project site consists of Wailua Silty Clay, Mokuleia Loam, Beach Sand, and Jaucas Sand. Fill material used in roadway reconstruction will consist of Hot Mix Glassphalt Base Course and Hot Mix Asphalt Pavement. Soil contamination is not expected in this area as there are no petroleum pipelines within the project limits.*

C.6 - Nature and Sequence of Construction Activity

What is the function of the construction activity (Please check all applicable activity(ies))?

❑ *Residential* ❑ *Commercial* ❑ *Industrial* ☒ *Road Construction* ❑ *Linear Utility*
❑ *Other (please specify):*_____

What is being constructed? The roadway and shoulders are being repaved or reconstructed. Guardrails and end treatments are being installed or upgraded. Shoulder rumble strips are being installed. Pavment markings, traffic sings, and counting stations are being constructed. Concrete Bridge End posts are being reconstructed. Drainage structures will be upgraded.

Describe the scope of work and major construction activities you wish to be covered in this NPDES application, including baseyards and staging areas. You may only include project areas where the locations of impervious structures are known; project areas where the final grades are known; and work areas that will be performed by one (1) general contractor. A separate NPDES application will be required for all other project areas.
The scope of work for this project consists of cold-planing, reconstructing weakened pavement areas, resurfacing, adjusting utility manholes, upgrading existing and installing new guardrails, installing pavement markers, shoulder rumble strips, traffic signs, and traffic counting stations, upgrading and/or installing culvert rails and endposts, repairing a damaged box culvert, and constructing drainage improvements.

C.7 - 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.:*_____
❑ *Department of the Army Permit (Section 404):*_____
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:*_____
❑ *Other (Specify):*_____

County-approved Erosion and Sediment Control Plan and/or Grading Permit

a. *Is a County-approved Erosion and Sediment Control Plan and/or Grading Permit, where applicable for the activity and schedule for implementing each control, required?*
   ❑ *Yes. Please complete Section C.7.b below and skip Section C.7.c.*
   ☒ *No. Please complete Section C.7.c below and skip Section C.7.b.*

b. *Is a copy County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, attached?*
   ❑ *Yes, see Attachment* _____
   ❑ *No, the County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, will be submitted at least 30 calendar days before the start of construction activities.*

c. *Please select and complete at least one (1) of the following items to demonstrate that a County-approved Erosion and Sediment Control Plan and/or Grading Permit, as appropriate for the activity and schedule for implementing each control, is not required.*
   ❑ *See Attachment* _____ *for the County written determination.*
   ❑ *Provide the County contact person information (Name, Department, Phone Number, and Date Contacted):* _____
   ❑ *The project is a Federal Project and does not require County approval.*
   ☒ *Other (specify): Per letter of agreement with the City and County of Honolulu, this project falls under the typical project not requiring a grading permit (Road Rehabilitation). A copy of the letter of agreement is included in Form C Attachment A-4.*

C.8 - Project Site Maps and Construction Plans/Drawings

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 project is located. See Form C Attachment A-1*
b. *Vicinity of the project on the island. See Form C Attachment A-1*
c. *Legal boundaries of the project. See Form C Attachment A-1*
d. *Receiving State water(s) from Section 6 of e-Permitting form and receiving separate drainage system(s) from Section 7 of e-Permitting form, identified and labeled. See Form C Attachment A-1*
e. *Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers. See Form C Attachment A-1*
f. *Boundaries of 100-Year flood plans. See Form C Attachment A-5*
g. *Areas of soil disturbance. See Form C Attachments A-1 and A-3*
h. *Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed. See Form C Attachment A-3*
i. *Pre-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows). See Form C Attachment A-1*
j. *During-Construction Topography (after major grading activities) including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water*

drainage system (if applicable) or to the receiving State water(s) (with flow arrows). *See Form C Attachment A-1*

k. *Post-Construction Topography including approximate slopes and drainage patterns for the entire Facility/Project site to the receiving storm water drainage system (if applicable) or to the receiving State water(s) (with flow arrows).* *See Form C Attachment A-1*

C.9 - Flow Chart or Line Drawing

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

☒ a. Storm water entering the project from off-site areas

☒ b. General route taken by storm water through the project (show the routes through different drainage areas)

☒ c. Treatment system(s) utilized for the reduction of sediment (e.g., silt fence, earth berm, detention basin, vegetated swale, etc.)

☒ d. Best Management Practices (BMPs) utilized to prevent erosion (e.g., erosion control mats, reduced open area, revegetation, etc.)

☒ e. Quantity of flow through each applicable route from upslope to the receiving State water

☒ f. Drainage system(s) receiving storm water from the project, as applicable (e.g., City and County of Honolulu Municipal Separate Storm Sewer System (MS4), etc.)

☒ g. State water name(s) receiving storm water from the project

Indicate which item(s) are not identified and explain why the item(s) are not identified_____

C.10 - Construction Schedule

Provide the following estimated dates:

The date when construction activity will begin *September 2017*

The date when each major construction activity begins *Roadway Construction September 2017*

The date when the Notice of Cessation form will be submitted *October 2018*

C.11 – Storm Water Pollution Prevention Plan (SWPPP)

Include your SWPPP that complies with HAR, Chapter 11-55, Appendix C in Attachment A.

You are responsible for the design, implementation, operation, and maintenance of the SWPPP to ensure that storm water discharges associated with construction activities will not cause or contribute to a violation of HAR, Chapter 11-54, Chapter 11-55, and Chapter 11-55 Appendix C.

The contractor may augment or improve BMPs for discharges of storm water associated with construction activity after the NPDES permit is issued in accordance to HAR, Chapter 11-55, Appendix C. These amendments do not have to be submitted to the DOH-CWB, but shall be kept on-site and available upon request.