



State of Hawaii, Department of Health, Clean Water Branch

NOI Form C

NOI for HAR, Chapter 11-55, Appendix C - NPDES General 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) General 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 NOI will be considered incomplete, and the CWB may deny your request for NPDES permit coverage with prejudice.

☒ *I certify that:*

- *I prepared a Storm Water Pollution Prevention Plan (SWPPP) in accordance with HAR, Chapter 11-55, Appendix C, Section 7 prior to submitting this NOI.*
- *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: Most of the project sites were constructed as highway embankment slopes such that there are no other historical uses for the sites. Two of the project sites include drainage features in the highway right-of-way and there is no record of other historical uses for these sites.

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: The project sites consist of highway embankment slopes and drainage features constructed within the highway right-of-way. This land use history indicates there is little likelihood of existing pollution sources at the project sites. Recent site inspections did not find any indication of existing pollution sources.

Describe any corrective measures that have been undertaken for any existing pollution source(s): N/A

C.3 - Construction Site Estimates

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: 63.79(See Attachment A-1) acres

Construction site area to be disturbed including storage and staging areas: 63.79 acres

Impervious area before construction: 0.02 acres

Impervious area after construction: 0.02 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

187.33 (See Attachment A-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: Soil characteristics at the site were determined using the Soil Survey of the Islands of Kauai, Oahu, Maui, Molokai and Lanai (Soil Conservation Service and the University of Hawaii Agricultural Experiment Station, 1965). Types of soils located at the respective sites were determined to be:

PID 408

Site PID 408 consists of Wahiawa silty clay (3 to 8 percent slopes, WaB) soils. This soils type is well-drained with slow runoff.

PID 502

The soils types at Site PID 502 are Wahiawa silty clay (0 to 3 percent slopes, WaA), Wahiawa silty clay (3 to 8 percent slopes, WaB), Manana silty clay (2 to 6 percent slopes, MoB) and Helemano silty clay (30 to 90 percent slopes, HLMG). Wahiawa silty clay soils (WaA and WaB) are well-drained with slow runoff. MoB soils are also well-drained with slow runoff. The HLMG soils type is well-drained with medium to very rapid runoff.

PID 521 and 149

Sites PID 521 and 149 consist of Helemano silty clay (30 to 90 percent slopes, HLMG) soils. The HLMG soils type is well-drained with medium to very rapid runoff.

PID 89 and 92

The soils type at Sites PID 89 and 92 is Hanalei silty clay (2 to 6 percent slopes, HnB). The HnB soils type is somewhat poorly drained to poorly drained with slow runoff.

PID 304806

Site PID 304806 consists of Kawaihapai clay loam (0 to 2 percent slopes, KIA) soils. This soils type is well-drained with slow runoff.

PID 467

The soils type at Site PID 467 is Ewa silty clay loam, moderately shallow (0 to 2 percent slopes, EmA). The EmA soils type is well-drained with very slow runoff.

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): Erosion Control/Slope/Drainage Structure Improvements

What is being constructed? Permanent BMPs

Describe the scope of work and major construction activities you wish to be covered in this NOI, 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 NOI will be required for all other project areas.

The scope of this project includes the following types of activities along state roadways: grubbing in areas that require minimal site preparation; clearing debris and vegetation; grading and compaction along eroded slope embankments; installation of grouted riprap; installation of erosion control matting or plantings; installation hydro mulch; landscape planting; reconstruction of a concrete outfall; installation and maintenance of temporary erosion control BMPs; installation of permanent BMPs; and implementation of traffic control. Installation of the proposed permanent BMP measures will mitigate the risk of erosion hazards that may otherwise occur.

Slope stabilization at Sites PID 408, 502 and 521 includes grubbing and the use of high performance mulch that is hydraulically sprayed onto the soil surface. Work associated with the installation of high performance mulch requires minimal site preparation. The mulch increases plant establishment, which will minimize soil loss and erosion during storm events.

The installation of erosion control matting with earth anchors/pins and the planting of vegetation is proposed for Sites PID 149 to stabilize the soils and reduce erosion during storm events. Work associated with the matting system includes clearing the vegetation, grading the slope, unrolling and anchoring the matting and preparing the area to promote vegetation growth. Shaving the slope will flatten the vertical face at Site PID 149. In addition to erosion control matting, the use of high performance mulch or the planting of native species is proposed for Site PID 149.

Slope stabilization at Sites PID 89 and 92 involves the use of grouted riprap, which is an economical alternative to concrete paving and an ideal solution for roadside slopes. Work associated with the installation of grouted riprap includes clearing debris and vegetation, grading and compacting the slope, installing rock slope protection, and grouting the interstices.

Stabilization to address erosion at Site PID 304806 involves a previously constructed grouted riprap drainage channel located within the highway right-of-way. Work associated with this project will include clearing and grubbing adjacent ground, filling voids behind the drainage channel walls with epoxy grout, and reconstructing the grouted riprap outfall.

Erosion control at Site PID 467 involves a previously constructed drainage structure with a drainage inlet located within the highway right-of-way. Work associated with this project will include demolition of portions of an existing concrete swale, headwall, concrete curb and gutter; paving an existing gravel area and reconstructing the current inlet area (which entails excavating the existing ditch in order to install a Debris-Separating baffle box; drain inlet and

concrete curb and gutter). The baffle box will be used to capture sediment erosion and trash through a hydrodynamic separator system consisting of multiple sediment removal chambers. The project will also include installation of a drain inlet filter basket, reinforced concrete pipe, and a catch basin.

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): _____

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. Oahu
- b. Vicinity of the project on the island. Wailua, Wahiawa, Ewa, and Primary Urban Center
- c. Legal boundaries of the project. See Attachment A-4
- 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 attachment A-4
- e. Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers. See Attachment A-4
- f. Boundaries of 100-Year flood plans. PIDs 408, 502, 521, 149 and 304806 are located in Zone D; PIDs 89, 92 and 467 are located in Zone X.
- g. Areas of soil disturbance. See Attachment A-4
- h. Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed. No impervious structures will be constructed
- 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 Attachment A-5
- 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 Attachment A-5
- 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). Proposed construction activities will not alter the site drainage patterns, See Attachment A-5

C.9 - Construction Schedule

Provide the following estimated dates:

The date when construction activity will begin. September 3, 2018

The date when each major construction activity begins. September 5, 2018

The date when the Notice of Cessation form will be submitted. August 2, 2019

A detailed construction schedule, including a timetable for major activities will be provided by the selected contractor at least 30 days prior to the start of construction.