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. By submitting the NOI, you are certifying 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: All project sites are highway embankment slopes or adjacent areas. PID 496, 21, 246, and 223 were constructed as slopes or landscaped areas and there are no other historical uses for the project sites. PID 973 is a Formerly Used Defense (FUD) site.

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. Phase I and/or Phase II Environmental Site Assessments, as applicable*

☒ *c. Recent site inspections*

☒ *d. Past land use history*

☐ *e. Soil sampling data, if available*

☒ *f. Other (specify): Inventory Project Report*

You are also required to check the Department of Health, Hazard Evaluation and Emergency Response (HEER) Office Sites, Incidents and Records through the "Viewer" in iHEER at: https://eha-cloud.doh.hawaii.gov/iheer.
Note: The HEER Office is currently updating site information for sites. Most, but not all sites may be displayed on the viewer map. Site Document data upload is ongoing and not all documents may be currently available via this website. To get the complete record for the site, a record request form can be filled and submitted it to the HEER Office. Users will then be notified when they are able to download all information via the iHEER system website.

Describe any existing pollution source(s) identified in the references you checked above and from HEER Office Sites, Incidents and Records: Underground fuel pipelines and storage tanks constructed at PID 973.

Describe any corrective measures that have been undertaken for any existing pollution source(s): No corrective measures were taken since no debris, remnants, or contaminants from original facility were found. Inventory Project Report in Attachment A-6.

Note: You are required to contact the Department of Health, Office of Hazard Evaluation and Emergency Response at (808) 586-4249 and through e-permitting Form "Notification of Construction Activities" at Form Finder https://eha-cloud.doh.hawaii.gov/epermit/finder if contaminated soil, vapor, or groundwater is known to be present at your project site. Notify at least 90 days prior to surface and subsurface disturbing activities (demolition, building/site configuration changes, grading, excavation, or prior to any other activities) that may disturb the ground surface at HEER sites. If you missed the 90 days notification time frame, notify the HEER Office as soon as possible to avoid any potential delays regarding your project.

C.3 - Construction Site Estimates

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: 42.3 (See Attachment A-1) acres

Construction site area to be disturbed including storage and staging areas: 37.4 acres

Impervious area before construction: 0.08 acres

Impervious area after construction: 0.08 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

50.81 (See Attachement 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:

PID 496

Site 496 consists of Wahiawa silty clay (0 to 3 percent slopes, WaA), Wahiawa silty clay (3 to 8 slopes, Wab), and Wahiawa silty clay (8 to 15 percent slopes, WaC). Wahiawa silty clay soils are well drained soils with low runoff.

PID 21

Site 21 consists of Helemano silty clay (30 to 90 percent slopes, HMLG), Kolekole silty clay loam (1 to 6 percent slopes, KuB), Kolekole silty clay loam (12 to 25 percent slopes, KuD), Kunia silty clay (0 to 3 percent slopes, KyA), and Kunia silty clay (3 to 8 percent slopes, KyB). Helemano silty clay is well drained with medium runoff. Kolekole silty clay (1 to 6 percent slopes) is well drained with low runoff. Kolekole silty clay (12 to 25 percent slopes) is well drained with high runoff. Kunia silty clays are both well drained with low runoff.

PID 246 & 973

Site 246 consists of Helemano silty clay (30 to 90 percent slopes, HMLG), Waipahu silty clay (0 to 2 percent slopes, WzA) and Waipahu silty clay (6 to 12 percent slopes, WzC). Helemano silty clay is well drained with medium runoff. Waipahu silty clay soil (0 to 2 percent slopes) is well drained with low runoff. Waipahu silty clay soil (6 to 12 percent slopes) is well drained with medium runoff.

Site 973 consists of Waipahu silty clay (6 to 12 percent slopes, HQJT). Waipahu silty clay (6 to 12 percent slope) is well drained with medium runoff.

PID 223

Site 223 consists of Alaeloa silty clay (40 to 70 percent slopes, ALF). Alaeloa silty clay is well drained with medium 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 Improvements.

What is being constructed?: Permanent BMP's

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 rip rap; installation of erosion control matting or plantings; instillation of grass pavers, installation hydromulch; landscape planting; construction of a concrete block mat; 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 PID 496 includes grass pavers and the use of mulch hydraulically sprayed onto the soil surface. The Grass Pavers are to be installed on top of an aggregate base layer. Work associated with the installation of mulch requires minimal site preparation. The mulch increases plant establishment, which will minimize soil loss and erosion during storm events.

Slope stabilization at PID 21 and PID 223 include the installation of erosion control matting with earth anchors/pins and the use of mulch that is hydraulically sprayed onto the soil surface. 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 223.

Slope stabilization at PID 246 involves the use of grouted rip rap, which is an economical alternative to concrete paving and an ideal solution for roadside slopes. Work associated with the installation of grouted rip rap includes clearing debris and vegetation, grading and compacting the slope, installing rock slope protection, and grouting the interstices. Additionally, the soil surface will be hydraulically sprayed with high performance mulch.

Slope stabilization at PID 937 involves the instillation of a concrete block mat and landscaping planting. The concrete block mat is a polypropylene geogrid interlaced with concrete blocks. A large percentage of open area between the blocks allows for vegetation growth while providing protection against high velocity stormwater runoff and vehicular traffic Work associated for this site includes clearing debris and vegetation, grading, and spraying the concrete surface with hydraulic mulch.

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* _____ *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.* Waialua, Ewa, Koolaupoko

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. PID's 246 and 973 are in flood zone X. PID's 246, 21, and 223 are in flood zone D.*

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. See Attachment A-5*

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). See Attachment A-5*

C.9 - Construction Schedule

Provide the following estimated dates:

The date when construction activity will begin. September 5, 2022

The date when each major construction activity begins. September 12, 2022

The date when the Notice of Cessation form will be submitted. September 3, 2023

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