



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: All sites are either located adjacent to State Department of Transportation (DOT) highways and interchanges or within the highway itself, all within the limits of DOT right-of-way. The areas were all constructed as a part of the DOT highways and there are no other historical uses for the project 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: No existing pollution sources were observed

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: 18.59 acres

Construction site area to be disturbed including storage and staging areas: 18.59 acres

Impervious area before construction: 5.40 acres

Impervious area after construction: 5.40 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

59.74 cfs, See Attachment B for Drainage Calculations 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:

Kualakai VMS:

Ewa silty clay loam (EaB) 3 to 6 percent slopes, are well drained soils that belong to hydrologic soil group B. EaB soils have a slow runoff, low permeability, and a low erosion hazard.

Palailai IC CCTV:

Honouliuli clay (HxA) 0 to 2 percent slopes, are well drained soils that belong to hydrologic soil group C. HxA soils have a slow runoff class, moderately slow permeability, and an erosion hazard that is low.

Kualakai IC CCTV:

Kawaihapai very stony clay loam (KlbC) 0 to 15 percent slopes, is a well-drained soil and is part of hydrologic soil group A. KlbC soils have moderate permeability, medium runoff and a moderate erosion hazard. Molokai silty clay loam (MuC) 7 to 15 percent slopes, is well-drained soil and it belongs to hydrologic soil group C. MuC soils have moderate permeability, medium runoff class, and a moderate erosion hazard. Molokai silty clay loam (MuD) 15 to 25 percent slopes, is a well-drained soil and is part of hydrologic soil group C. MuD soils have moderate permeability, medium runoff and a severe erosion hazard.

Kunia West CCTV(Honouliuli):

Molokai silty clay loam (MuB) 3 to 7 percent slopes is a well-drained soil and part of hydrologic soil group C. MuB soils have moderate permeability, moderate runoff, and a slight to moderate erosion hazard.

Spot Reader Location 3:

Lualualei stony clay (LvB) 2 to 6 percent slopes, are well drained soils that are part of hydrologic soil group C. LvB soils have low permeability, low runoff, and a low erosion hazard.

Spot Reader Location 4:

Lualualei stony clay (LvB) 2 to 6 percent slopes, are well drained soils that are part of hydrologic soil group C. LvB soils have low permeability, low runoff, and a low erosion hazard.

Kamehameha Conduit:

Alaeloa silty clay (AeE) 15 to 35 percent slopes, is a well-drained soil and is part of hydrologic soil group C. AeE soils have moderately rapid permeability, medium runoff, and a moderate erosion hazard. Alaeloa silty clay (ALF) 40 to 70 percent slopes are well drained soils and belong to hydrologic soil group C. ALF soils have a medium runoff class with rapid to very rapid runoff, and a severe erosion hazard. Hanalei silty clay (HnA) 0 to 2 percent slopes, are poorly drained soils and belong to hydrologic soil group B. HnA soils have a negligible runoff class with very slow runoff, moderate permeability, and an erosion hazard no more than slight. Heleman silty clay (HLMG) 30 to 90 percent slopes, are well drained soils that belong to hydrologic soil group A. HLMG soils have a medium runoff class with medium to very rapid runoff, moderately rapid permeability, and an erosion hazard that is severe to very severe.

Kaneohe silty clay (KgB) 3 to 8 percent slopes are well-drained soils and belong to hydrologic soil group B. KgB soils have a medium runoff class with slow to medium runoff, moderately rapid permeability, and a slight erosion hazard. Kaneohe silty clay (KHOF) 30 to 65 percent slopes, are well drained soils that belong to hydrologic soil group B. KHOF soils are considered to have a high runoff class with medium to rapid runoff, and a moderate to severe erosion hazard.

Kinau Conduit:

Tantalus silty clay loam (TCC) 8 to 15 percent slopes, is a well-drained soil and part of hydrologic soil group A. TCC soils have a moderately rapid permeability, a low erosion hazard, and a low 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): CCTV, VMS, Speed Reader, and Conduit installations

What is being constructed? There are a total of ten sites that will either have CCTV, VMS, Speed Reader, or Conduits installed. Three of the sites will have CCTV installation, one will have a VMS installed, and two will consist of conduit installations. There will also be four speed readers installed, however, two of the four will be installed on existing infrastructure. Due to the nature of the installation and work at those three locations, no coverage under this permit is required per phone conversation with DOH on May 5, 2017.

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 major construction activities to be covered in this NOI include the three CCTV camera, one VMS, two conduit, and two spot speed reader installation. The installations will include trenching work, and directional drilling in order to supply power and communication to the sites. The CCTV sites will also require the installation of equipment cabinets and concrete aprons. There will be a minimal amount of impervious area added which is not anticipated to adversely affect runoff from the site. Construction staging and base yard areas will also be covered under this permit. The contractor will determine all staging and base yard areas 30 days prior to the beginning of construction.

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.: N/A

☐ Department of the Army Permit (Section 404): N/A

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: N/A

☐ RCRA Permit (Hazardous Wastes): N/A

☐ Section 401 Water Quality Certification: N/A

☐ Other (Specify): N/A

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 (communication or other utility installation and traffic signal modernization and installation). A copy of the letter agreement is included in Form C Attachment C.

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 Attachment A-1, Exhibit 1
- b. Vicinity of the project on the island. See Attachment A-1, Exhibits 2 to 4
- c. Legal boundaries of the project. See Attachment A-2, Exhibits 5 to 16
- 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-3, Exhibits 17 to 30
- e. Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers. See Attachment A-3, Exhibits 17 to 30
- f. Boundaries of 100-Year flood plans. See Attachment A-5, Exhibits 45 to 48. All sites are within Zone D per the Flood Hazard Assessment Tool (gis.hawaiiinfip.org/FHAT/).
- g. Areas of soil disturbance. See Attachment A-3, Exhibits 31 to 44
- h. Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed. See Attachment A-2, Exhibits 5 to 16
- 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). Pre-construction, during-construction, and post-construction topography will remain the same as the existing conditions. See Attachment A-2, Exhibits 5 to 30
- 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). Pre-

construction, during-construction, and post-construction topography will remain the same as the existing conditions. See Attachment A-2, Exhibits 5 to 30

- 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). Pre-construction, during-construction, and post-construction topography will remain the same as the existing conditions. See Attachment A-2, Exhibits 5 to 30

C.9 - Construction Schedule

Provide the following estimated dates:

The date when construction activity will begin. January 9, 2019

The date when each major construction activity begins. October 9, 2019

The date when the Notice of Cessation form will be submitted. April 28, 2022

Contractor to submit revised construction schedule 30 days prior to the start of work.