

**2. National Pollutant Discharge Elimination System Permit System (NPDES),
Notice of Intent Form C (NOI Form C)**

**A. NPDES NOI Form C Application, Interstate Route H-1, Guardrail and
Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue,
December 8, 2016; and**

**B. Notice of General Permit Coverage (NGPC), Interstate Route H-1,
Guardrail and Shoulder Improvements Project, Kapiolani Interchange
to Ainakoa Avenue, Honolulu, Island of Oahu, Hawai'i, File No. HI
R10F173, January 20, 2017**

DAVID Y. IGE
GOVERNOR



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
869 PUNCHBOWL STREET
HONOLULU, HAWAII 96813-5097

FORD N. FUCHIGAMI
DIRECTOR

Deputy Directors
JADE T. BUTAY
ROSS M. HIGASHI
EDWIN H. SNIFFEN
DARRELL T. YOUNG

IN REPLY REFER TO:
HWY-TD 16-2.0370

December 8, 2016

TO: THE HONORABLE VIRGINIA PRESSLER, M.D., DIRECTOR
DEPARTMENT OF HEALTH

ATTN: ALEC WONG, P.E., CHIEF
CLEAN WATER BRANCH

FROM: *FOR* FORD N. FUCHIGAMI
DIRECTOR OF TRANSPORTATION *J. T. Butay*

SUBJECT: INTERSTATE ROUTE H-1 GUARDRAIL AND SHOULDER
IMPROVEMENTS, KAPIOLANI INTERCHANGE TO AINAKOA AVENUE
PROJECT NO. IM-H1-1(244)

Submitted for your review and approval is the General NPDES Permit application for the Interstate Route H-1 Guardrail and Shoulder Improvements, Kapiolani Interchange to Ainakoa Avenue project. Enclosed is the \$500.00 application fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions regarding the project, please call the Design Project Manager, Steven Yoshida at (808) 692-7682. If responding to this letter in writing, please reply to the attention of Steven Yoshida, HDOT Design Project Manager, Traffic Branch, Highways Division, and reference HWY-TD 2.0370 as shown above.

Enc.



TRANSMITTAL REQUIREMENTS AND CERTIFICATION STATEMENT FOR E-PERMITTING NOTICE OF INTENT (NOI) SUBMISSIONS

1. Submission and File Numbers

e-Permitting Submission #: 2KX-GVP1-D46H

I am submitting a (check only one):

☐ Initial NOI.

☒ Revised NOI, File Number: HIR10F173

☐ NOI for an Already Issued NGPC, Current NGPC File Number: _____

2. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature _____

Date Signed 1.3.17

Printed First and Last Name Ford Fuchigami

3. Transmittal Requirements (Check all.)

☒ I have read the instructions on Pages 2 and 3.

☒ If I do not follow all of the instructions on Pages 2 and 3, I acknowledge that:

- a. This submittal will not be accepted by the Clean Water Branch (CWB);
- b. Processing of my NOI will not begin;
- c. I am delaying the processing of my NOI; and
- d. The CWB may deny my request for NPDES general permit coverage with or without prejudice.

☒ The signature provided in Item No. 2 is an original signature.

☒ My CD or DVD is attached. This CD or DVD contains only the downloaded e-Permitting submission identified in Item No. 1 above. I have not altered this file.

4. Filing Fee (Check the applicable box.)

☐ A \$500 check made payable to the State of Hawaii is attached.

☐ The filing fee was paid online through the e-Permitting Portal.

☒ I am submitting a Revised NOI. My filing fee has already been paid under the initial submittal.

☐ I am a State agency, and I am requesting a Bill for Collection.

IMPORTANT INSTRUCTIONS:

You are required to follow these instructions to complete your e-Permitting NOI submittal. Failure to follow all of these instructions will delay the processing of your submittal and may result in the denial of your request for NPDES general permit coverage. **Processing of your submission will not begin until the Clean Water Branch (CWB) receives all of the items below.**

Item No. 1 – Submission and File Numbers

- a. Enter your e-Permitting Submission #. You may find your unique e-Permitting Submission # (e.g. 15H-ZGVV-421H) in your History Link of the e-Permitting Portal. If you are submitting a revised NOI, the e-Permitting Submission # will contain the version (e.g. 15H-ZGVV-421H, v1).
- b. Check only one (1) box to indicate if you are submitting an Initial NOI (new submittal) or a Revised NOI (revised submittal to address CWB comments) or a NOI for an Already Issued NGPC (see Item No. 1.d below).
- c. Enter your file number if you are revising an Initial NOI to respond to CWB comments. The CWB comments will contain the file number. You will not need to provide a file number if you are submitting an Initial NOI.
- d. Enter your current NGPC file number if you are submitting a NOI for an Already Issued NGPC. A NOI for an Already Issued NGPC is required if there are any changes to the information previously provided. NGPCs can no longer be modified and reissued. Once the NGPC is issued, any changes to the information provided during the NOI processing (except changes to BMPs) will require another NOI with filing fee and another NGPC to be issued. Upon issuance of the NGPC, the existing NGPC will be terminated.

Item No. 2 – Certification Statement

- a. This is the certification statement for the e-Permitting submission # identified in Item No. 1.
- b. Enter the Printed First and Last Name.
 - i. For an Initial NOI and a NOI for an Already Issued NGPC, the Printed First and Last Name must be the Certifying Person identified in Section No. 2 of the e-Permitting NOI form.
 - ii. For Revised NOI submittals, the Printed First and Last Name may be either the Certifying Person identified in Section No. 2 of the e-Permitting NOI form or the duly authorized representative identified in Section No. 8 of the e-Permitting NOI form.
- c. Enter the Date Signed.
- d. Provide an original Certification signature (hard copy of this form).
Someone else may sign “for” the individual listed in the Printed First and Last Name.

Item No. 3 – Transmittal Requirements

- a. You are required to check all of the boxes.
- b. Provide a CD or DVD containing the downloaded e-Permitting submission in PDF or ZIP. To download the submission, click on the History Link in the e-Permitting Portal (after you submitted the application). Locate your submission and press the view button under the Action column. Press the Download Submission button. A PDF file will be generated if you have no attachments. A ZIP file will be created if you have attachments. Check the ZIP file to confirm that all of your attachments uploaded successfully in the e-Permitting Portal. Save the PDF or ZIP file on the CD or DVD. Do not add additional files to the CD or DVD. Your CD or DVD shall match your e-Permitting submission #. Please contact the e-Permitting Administrator at 808-586-4350 if you have trouble uploading a file to the e-Permitting Portal.

Item No. 4 – Filing Fee

- a. You are required to check only one (1) of the boxes.
- b. A \$500 filing fee is required for an Initial NOI and a NOI for an Already Issued NGPC.
- c. If you are a State agency, you may request a Bill for Collection.

Additional

- a. Mail or deliver this form and all attachments to the Department of Health, Clean Water Branch, 919 Ala Moana Boulevard, Room 301, Honolulu, Hawaii 96814.



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: _____

The State of Hawaii Department of Transportation (HDOT) will be installing upgrades and improvements to the guardrails and shoulders along the Interstate Route H-1 (H-1) between the Kapiolani Interchange and Ainakoa Avenue, Milepost no. 25 and no. 27. The project area is comprised of 25 discontinuous sites along the road right-of-way (ROW) of varying sizes that total approximately 5.3 acres. Historically the area where the H-1 is located was arid and dry until the late 1880s when the land was used to raise cattle and ostriches. In the late 1890s, residential development increased when a water main was installed along Kaimuki Avenue that allowed more residential homes to be built. See **Attachment A-1, Figure 1 - Project Location.**

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*

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

Please provide the following estimates for the construction site.

Total project area including areas to be left undisturbed: _____ **51.1** acres

Construction site area to be disturbed including storage and staging areas: _____ **5.4** acres

Impervious area before construction: _____ **5.3** acres

Impervious area after construction: _____ **5.3** acres

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
152.2 Cubic Feet per Second (CFS)

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 types within the proposed project site boundary primarily consist of Molokai Silty Clay Loam (MuB) with smaller portions of Ewa Stony Silty Clay (EwC), Kawaihapai Clay Loam (KIA), Kawaihapai Stony Clay Loam (KlaB), Molokai Silty Clay Loam (MuC), and Waiialua Silty Clay (WkA). According to the Soil Survey of Islands of Kauai, Oahu, Maui, Molokai and Lanai, State of Hawaii, prepared by the United States Department of Agriculture, MuB has 3-7% slopes with slow to medium runoff and a slight to medium erosion hazard. MuB is used in crop agriculture and pasture. EwC has 6-12% slopes with slow to medium runoff and slight to moderate erosion hazard. EwC is used for crops and pasture. KIA has 0-2 % slopes with slow runoff and no more than slight erosion hazard. It is

also a poorly drained soil with moderate permeability and is used for crops and pasture. KIaB has 2-6% slopes with slow runoff and slight erosion hazards. KIaB is used for crops and pasture. MuC has 7-15% slopes with medium runoff and moderate erosion hazards. MuC is used for crops and pasture. WkA has 0-3% slopes with slow runoff and no more than slight erosion hazard. WkA has a moderate permeability and is used for crops and pasture (USDA, 1972). See **Attachment A-1, Figure 3 – Soil Classification.**

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): Guardrail and Shoulder Improvements along H-1

What is being constructed? HDOT will be upgrading and improving guardrails and shoulders along the H-1 between the Kapiolani Interchange and Ainakoa Avenue Intersection, Milepost no. 25 and no. 27 in order to meet current roadway design requirements to satisfy the FHWA mandate to comply with requirements set forth by the National Cooperative Highway Research Program's Report 350. Improvements to the guardrails and shoulders include the following:

1. Guardrail replacements and improvements;
2. Replacement of three beams over select catch basins;
3. Connection of new three beams to existing guardrails and end posts;
4. Relocation of existing light poles from the shoulder to the median and repair of associated retaining walls;
5. Associated electrical connections to the new street lights and traffic signal;
6. Addition of a crash attenuator to the gore area at Waialae Avenue Off-ramp;
7. Improvements to retaining walls;
8. Addition of a bike lane and replacement of traffic signal at the Ainakoa Avenue Intersection;
9. Modifications to medians for new street lighting foundations;
10. Restriping;
11. Upgrades to bridge, wing wall, and retaining wall railings;
12. Upgrades to guardrail end posts;
13. Additions and improvements to concrete walls and barriers; and
14. Reconstruction of selected existing curbs.

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.

HDOT proposes to improve and upgrade guardrails and shoulders features along the H-1 between Kapiolani Interchange and Ainakoa Avenue Intersection, identified by Tax Map Keys

(TMKs) 2-7-029, 2-7-030, 3-2-001, 3-2-007, 3-2-009, 3-2-010, 3-2-011, 3-2-012, 3-2-013, 3-2-014, 3-2-038, 3-2-039, 3-2-040, 3-2-041, 3-2-042, 3-2-043, 3-3-011, 3-3-012, 3-5-016, 3-5-017, 3-5-019, 3-5-023, 3-5-025, 3-5-044. The project site involves 25 discontinuous sites in the existing road ROW along the H-1 corridor between mile posts 25 and 27 and totals approximately 5.3-acres. The construction activities include the following:

1. General Contractor Mobilization
2. Installation of Best Management Practices (BMPs)/Erosion Control Measures
3. Guardrail and Shoulder Improvements
4. Ainakoa Avenue Intersection Improvements
5. Removal of Construction BMPs
6. General Contractor Demobilization
7. Notice of Cessation

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): Building Permit, HRS, Chapter 343, Exempt category of activity from an EA.

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

☒ No County-approved Erosion and Sediment Control Plan will be submitted 30 days before the start of construction.

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. O'ahu.
- b. Vicinity of the project on the island. See Attachment A-1, Figure 1 - Project Location.
- c. Legal boundaries of the project. See Attachment A-1, Figure 1 - Project Location.
- 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-1, Figure 2 - Discharge Points to State Waters.
- e. Location of ALL discharge points from Section 6 of e-Permitting form with identification numbers. See Attachment A-1, Figure 2 - Discharge Points to State Waters.
- f. Boundaries of 100-Year flood plans. See Attachment A-1, Figure 4 - Flood Zones.
- g. Areas of soil disturbance. See Attachment A-3, Construction Drawings, 5A – 5I, 6.
- h. Location(s) of impervious structures (including buildings, roads, parking lots, etc.) after construction is completed. See Attachment A-3, Construction Drawings, 5A – 5I, 6.
- 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-1, Figure 2 - Discharge Points to State Waters and Attachment A-3, Construction Drawings, 5A – 5I, 6.
- 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-1, Figure 2 - Discharge Points to State Waters and Attachment A-3, Construction Drawings, 5A – 5I, 6.
- 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-1, Figure 2 - Discharge Points to State Waters and Attachment A-3, Construction Drawings, 5A – 5I, 6.