

Loan Application for the Clean Water State Revolving Fund Program
(Revised 8/2018)

A completed application must be submitted for each proposed project. If any information requested in the application was previously submitted for a prior loan or grant project, please indicate the project number in the space provided. Provide supporting documentation of additional pages as appropriate.

I. Organizational Data

Applicant Name: COUNTY OF HAWAII
Address: 108 RAILROAD AVENUE
HILO, HAWAII 96720

Contact Person: Dora Beck, P.E., Wastewater Division Chief
Telephone Number: 808-961-8513

II. Project Name and Description

Project Name: Pāhala Large Capacity Cesspool Conversion (No. C150090-05)
Description: In conjunction with the Pāhala Wastewater Collection System (No. C150090-08), this project will replace two (2) large capacity cesspools (LCCs) currently serving part of the community with a new secondary wastewater treatment and disposal facility having an average dry weather flow capacity of 190,000 gallons per day, sufficient for their closure, and to serve at least 65 additional properties. The project will deliver wastewater from the terminus of the proposed new wastewater collection system in Maile Street, to the site of the new wastewater treatment plant. Planned improvements include a headworks for preliminary treatment, an aerated lagoon treatment system with subsurface flow constructed wetland and disinfection, and a slow-rate land application system for disposal of the treated and disinfected effluent. Site improvements will also include perimeter fencing, paved drives, stormwater and drainage systems with permanent BMPs designed to route runoff around other improvements and ensure no adverse impacts to upstream or downstream properties, an operations building, plant utility services, standby power, and telemetry systems. The new transmission, secondary treatment and land disposal systems will meet current, applicable industry standards and comply with USEPA requirements.

Population to be served by project: 2700 equivalent (at C&C Standard 70 gallons per capita per day average wastewater flow, but including industrial lots, assuming 800 gallons per acre per day)

State Senate District: 3

State House District: 5

III. Project Need and Environmental Benefits

A. Need for Project:

The Pāhala Community is currently served by a combination of LCCs and Individual Sewage Disposal Systems (ISDS) and a County wastewater collection system previously owned and operated by C. Brewer. As the current operator of two (2) existing Class V underground injection control wells (UICWs) located in the community, the County is under a USEPA AOC to complete design for a replacement wastewater treatment facility by September 18, 2019 and its' construction by May 20, 2021. To comply with the UIC Program under the Safe

Drinking Water Act and fulfill the provisions of the AOC, a minimum of secondary treatment is required to remove most of the fine and dissolved degradable organic matter, rendering the effluent suitable for discharge. LCCs, which are regulated as UICW, are disposal devices which provide virtually no treatment and can release disease-causing pathogens and other pollutants (such as nitrates) directly into groundwater and, eventually, the ocean. Land treatment systems rely on soil and vegetation, rather than energy-intensive mechanical equipment, to accomplish treatment objectives and are considered a form of "natural" treatment. Design will also incorporate energy efficient pumps and aerators to minimize energy consumption.

B. Projected useful life of the Project: 30 years

Note: Based on the Federal Water Pollution Control Act (FWPCA) Section 603 (d) (1) (A) and (b), the loan terms cannot exceed the lesser of 30 years and the projected useful life of the project.

C. Project Environmental Benefits:

1. This project will contribute to water quality by:

Improving it Maintaining it N/A

2. This project will allow the facility/system to:

Achieve compliance Maintain compliance N/A

3. This project involves a facility/system that discharges to a waterbody that is:

Meeting standards Impaired Threatened
 Not Assessed N/A

4. This project will allow the facility/system to:

Protect public health Restore public health N/A

5. This project will allow the facility/system to prevent wastewater spills to the:

Ground Surface Waters N/A

6. This project involves other environmental benefits noted below:

The proposed new secondary wastewater treatment and land disposal systems will replace two (2) existing LCCs currently operated and maintained by the County. It will also assist community landowners and the State of Hawaii with other cesspool closures, by providing a new, current regulatory compliant, municipal treatment works with the capacity to service a larger service area than currently exists.

IV. Project Costs

Attach the engineer's estimate of total project costs, if it differs from the estimate submitted with the planning and design documents.

Estimated Total Project Cost: \$24,500,000.00

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SRF Loan Requested: \$21,500,000.00

Source and Amount of all other revenue:

Source of other Revenue:	Amount:
<u>EPA Grant 96942401</u>	<u>\$1,728,297 (\$113,853 Naalehu-former site)</u>
<u>County General Obligation Bonds</u>	<u>\$1,271,703</u>

V. Project Schedule Dates (based on REV 20, 90 day statutory SHPD review period for HRS 343/Section 106)

	Date:
Advertise for construction bids	<u>10/12/2020</u>
Open construction bids	<u>1/8/2021</u>
Negotiate A/E agreement(s)	<u>9/4/2019 design</u>
Award construction and/or A/E contracts	<u>1/8/2021 CM, 2/9/2021 construction</u>
Issue Notice to Proceed	<u>4/9/2021 CM & construction</u>
Complete construction	<u>4/30/2022</u>

VI. Related Projects

List all related sewer project which must be constructed in order to fully utilize the subject project. Also, list the anticipated dates these projects will be constructed.

Title of Related Project(s):	Estimated Construction Date:
<u>C150090-08 Pāhala Wastewater Collection System</u>	<u>4/12/2021-5/27/2024</u>
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VII. Required Documents and Forms

Notes: Documents MUST be completed and submitted to DOH before the execution of the final agreement.

If completed, attach the documents listed below:

- A. A resolution or ordinance passed by the County Council which authorizes the SRF loan application and identifies the dedicated source(s) of revenue (e.g. general obligation bonds) which will fund the project and repayment of the loan with interest.
- B. Any inter-governmental or County-private agreements relative to this project.

VIII. Assurances

The applicant certifies that the County of Hawai'i :
(name of legal entity)

- 1. Has the legal, institutional, managerial, and financial capability to ensure adequate construction, and operation and maintenance (including replacement) of the wastewater treatment works, and

- has analyzed the local share of the costs of the proposed wastewater treatment facilities, including the financial impact on each community and the residents of the service areas; and,
2. Will operate and maintain the publicly-owned treatment works in accordance with the minimum standards as required by the cognizant Federal, State, and local agencies for the operation and maintenance of such facilities; and/or in accordance with any applicable National Pollutant Discharge Elimination System (NPDES) permit; and,
 3. Will initiate procurement action for A/E and/or construction services for building all significant elements of the project in accordance with the project schedule indicated in this application and approved by DOH upon issuance of the loan agreement; and,
 4. Will diligently pursue project completion in accordance with the project schedule submitted herewith; and
 5. Will give the State of Hawaii or its assignees, through any authorized representative, access and the right to examine all records, books, papers, or documents related to the loan; and will retain all construction records for three years following the project initiation of operation; and,
 6. Will maintain a financial accounting system in accordance with the generally accepted accounting principles set forth by the Governmental Accounting Standards Board; and,
 7. Will not dispose of, modify the use of, or change the real property title terms or other interest in the site and facilities without permission and instructions from DOH; and,
 8. Will establish safeguards to prohibit employees from using their positions for purposes that constitute or give the appearance of personal or organizational conflict of interest; and,
 9. Has not and will not violate any Federal, State, or local law pertaining to fraud, bribery, graft, or collusion; and,
 10. Will provide and maintain competent and adequate engineering supervision and inspection at the construction sites to ensure that the completed work conforms with the approved plans and specifications and will furnish progress reports and such other information as DOH may require; and,
 11. Will comply with all applicable federal and state requirements, including all other laws, regulations, policies, applicable requirements, and conditions relating to assistance for this project.
 12. The applicant must certify that it will comply with the following federal "cross-cutting" authorities, as applicable, including the Single Audit of 1984 (PL 98-502).
 - a. Environmental Authorities
 1. Archeological and Historic Preservation Act of 1974, 16 USC § 469a-1
 2. Bald and Golden Eagle Protection Act, 16 USC §§ 668-668c
 3. Clean Air Act, 42 USC § 7506(c)
 4. Coastal Barrier Resources Act 16 USC §§ 3501-3510

5. Coastal Zone Management Act of 1972, 16 USC §§ 1451-1464
 6. Endangered Species Act 16 USC §§ 1531-1543
 7. Environmental Justice, Executive Order 12898
 8. Farmland Protection Policy Act, 7 USC §§ 4201-4209
 9. Fish and Wildlife Coordination Act, 16 USC §§ 661-664
 10. Floodplain Management, Executive Order 11988 as amended by Executive Orders 12148 and 13690
 11. Magnuson-Stevens Fishery Conservation and Management Act, 16 USC §§ 1801 et seq.
 12. Marine Mammal Protection Act, 16 USC §§ 1361 et seq.
 13. Migratory Bird Treaty Act, 16 USC §§ 1361 et seq.
 14. National Historic Preservation Act of 1966, 54 USC §§ 300101 et seq.
 15. Protection of Wetlands, Executive Order 11990, as amended by Executive Order 12608
 16. Rivers and Harbors Act, 33 USC § 403
 17. Safe Drinking Water Act, 42 USC §§ 300f-300j-9
 18. Wild and Scenic Rivers Act, 16 USC §§ 1271 et seq.
- b. Economic Policy Authorities
1. Administration of the Clean Air Act and the Water Pollution Control Act with Respect to Federal Contract or Loans, Executive Order 11738
 2. Demonstration Cities and Metropolitan Development Act of 1966, Pub. L. 89-754, as amended by 42 USC § 3331
 3. Procurement Prohibitions, Executive Order 11738. Section 306 of the Clean Air Act
 4. Procurement Prohibitions, Section 508 of the Clean Water Act
 5. American Iron and Steel, Section 608 of the Clean Water Act
- c. Social Policy Authorities
1. Age Discrimination Act of 1975, 42 USC 6102
 2. Civil Rights Act of 1964, Title VI, 42 USC 2000d
 3. Equal Employment Opportunity, Executive Order 11246, as amended
 4. Minority Business Enterprise Development, Executive Order 12432

5. National Program for Minority Business Enterprise, Executive Order 11625
6. National Women's Business Enterprise Policy and National Program for Women's Business Enterprise, Executive Order 12138
7. Rehabilitation Act of 1973, 29 USC 794
8. Section 13 of the Federal Water Pollution Control Act Amendments of 1972, 33 USC 1251
9. Small Business Administration Reauthorization and Amendment Act of 1988, Pub. L. 100-590, Section 129
10. Department of Veterans Affairs and Housing and Urban Development, and Agencies Appropriations Act, 1993, Pub. L. 102-389
11. Disadvantaged Business Enterprise Rule, 2008, 40 CFR Part 33
12. Davis Bacon Act, Title 29, Part 5, CFR
- d. Miscellaneous Authorities
 1. Debarment and Suspension, Executive Order 12549
 2. Uniform Relocation and Real Property Acquisition Policies Act, Pub. L. 91-646 (1971) as amended by 42 USC 4601-4655
 3. Preservation of Open Competition and Government Neutrality Towards Contractor's Labor Relations on Federal and Federally Funded Construction Projects, Executive Order 13202 (2001), as amended by Executive Order 13208 (2001)
13. As required by FWPCA section 603 (d) (1) (E), the Applicant certifies that if has developed and is implementing a Fiscal Sustainability Plan (FSP) that includes the following:
 - a. An inventory of critical assets that are a part of the treatment works;
 - b. An evaluation of the condition and performance of inventoried assets or asset grouping;
 - c. A certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
 - d. A plan for maintaining, repairing, and, as necessary, replacing the treatment works and a plan for funding such activities.
14. As required by FWPCA section 603 (b) (13), the applicant certifies the following:
 - a. Has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project or activity for which assistance is sought under this title; and

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- b. Has selected, to the maximum extent practicable, a project or activity that maximizes the potential for efficient water use, reuse, recapture, and conservation, and energy conservation, taking into account:
1. The cost of constructing the project or activity;
 2. The cost of operating and maintaining the project or activity over the life of the project or activity; and
 3. The cost of replacing the project or activity.
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Certification

Note: This certification includes Items 12, 13, and 14 and all of its subparts.

To the best of my knowledge, the data in this application is true and correct, the document has been duly authorized by the governing body of the applicant, and the applicant will comply with the assurances, if the assistance is approved.

Legal Entity: County of Hawaii

Name and Title of Authorized Representative: William Kucharski, Director, Department of Environmental Management



Signature of Authorized Representative



Date