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**COUNTY COUNCIL**  
COUNTY OF MAUI  
200 S. HIGH STREET  
WAILUKU, MAUI, HAWAII 96793  
[www.MauiCounty.us](http://www.MauiCounty.us)

March 4, 2019

RECEIVED  
2019 MAR -8 PM 3:29  
OFFICE OF THE  
COUNTY CLERK

The Honorable Kelly T. King  
Council Chair  
County of Maui  
Wailuku, Hawaii 96793

Dear Chair King:

SUBJECT: **KAUNAKAKAI WASTEWATER RECLAMATION FACILITY**

May I request the matter relating to the Kaunakakai Wastewater Reclamation Facility Operation and Maintenance Inspection Report – SFY19 be placed on the next Council meeting agenda.

Sincerely,

A handwritten signature in cursive script, appearing to read "Alice L. Lee".

ALICE L. LEE  
Councilmember

ltr:190304a:ds

Enclosure

COUNTY COMMUNICATION NO. 19-146



STATE OF HAWAII  
DEPARTMENT OF HEALTH  
P. O. BOX 3378  
HONOLULU, HI 96801-3378

In reply, please refer to:  
File:

315 FY19 insp ltr

February 7, 2019

Mr. Michael Miyamoto  
Director  
Department of Environmental Management  
County of Maui  
2200 Main Street, #100  
Wailuku, Hawaii 96793  
Email: [michael.miyamoto@co.maui.hi.us](mailto:michael.miyamoto@co.maui.hi.us)

Dear Mr. Miyamoto:

Subject: **Kaunakakai Wastewater Reclamation Facility  
Operation and Maintenance Inspection Report - SFY19**

On January 25, 2019, Department of Health (Department) staff conducted an inspection of the subject facility. The inspection and data review covered the 2018 calendar year period, and the subject report is attached for your use. The facility was rated "Unacceptable" for the following reasons:

1. Average flow is currently at 100% of design capacity. In 2017, the average flow was at 93% of design capacity and a corrective action plan was requested but never received.
2. Since 2013, R-2 recycled water has not been produced at the subject plant. However, annual reports on the volume of R-2 recycled water supplied for use during calendar years 2015, 2016, and 2017 each reported a total of 2.16 million gallons supplied.
3. Two (2) BOD<sub>5</sub> data values were invalid. On 4/16/18 and 4/25/18, BOD<sub>5</sub> data was recorded as ">13" and ">19," respectively. From this data it cannot be determined whether the 30 mg/L limit was met.

Please submit a written corrective action plan that addresses the above items, provides a list of corrective actions and includes an estimated completion date for each action. The plan is due thirty (30) days after receipt of this letter.

Mr. Michael Miyamoto  
February 7, 2019  
Page 2

Should you have any questions, please contact Ms. April Matsumura at (808) 586-4294 or email her at [april.matsumura@doh.hawaii.gov](mailto:april.matsumura@doh.hawaii.gov).

Sincerely,

MARIANNE ROSSIO, P.E., ACTING CHIEF  
Environmental Management Division

AM:ju

Attachment

c: Alice Lee, County Water & Infrastructure Chairperson ([alice.lee@mauicounty.us](mailto:alice.lee@mauicounty.us))  
Norris Uehara, UIC Program ([Norris.uehara@doh.hawaii.gov](mailto:Norris.uehara@doh.hawaii.gov))

# OPERATION AND MAINTENANCE INSPECTION REPORT

## INTRODUCTION

1. Facility: Kaunakakai Wastewater Reclamation Facility
2. Inspection Date: 1/25/19
3. Inspector: A. Matsumura
4. Facility Representatives and Job Titles:

Name	Job Title
Guy Joao	DRC, Grade 3
Abigail Bush	Operator, Grade 3
Romeo Yanos	Wastewater Operations Manager
Wendell Molina	Central Maintenance Mechanics - Working Supervisor
Rico San Agustin	Electronics Technician

## BACKGROUND

1. Current status of deficiencies cited in previous inspection report:
  - a. The Aqua-Aerobic Systems mini-disk filters were not operational because new filter feed pumps had not been installed. As of the inspection date, the pumps still had not been installed. Although the County of Maui still plans to install them to improve effluent quality, the filtration process is optional because the plant no longer produces R-2 recycled water and is classified as providing secondary treatment. All effluent requirements for secondary treatment are currently being met. Item closed.
  - b. Fecal coliform levels were not being monitored. Since the plant is now classified as providing secondary treatment, fecal coliform monitoring is no longer required. Item closed.
2. UIC Permit Status:

The facility's UIC permit, UM-1397, issued on 11/1/03, was renewed to 4/13/19. The facility currently complies with UIC permit requirements.
3. Enforcement Action: None.
4. Capacity Analysis:
  - a. Average Flow: 0.30 MGD (review period January – December 2018)
  - b. Design Flow: 0.30 MGD Percent design capacity: 100%

5. Influent/Effluent Data Analysis:

- a. Influent BOD<sub>5</sub>: 131 mg/L (composite)
- b. Effluent BOD<sub>5</sub>: 7.5 mg/L (composite) excludes data for April 2018
- c. Influent TSS: 162 mg/L (composite)
- d. Effluent TSS: 5.9 mg/L (composite)
- e. pH (min): 7.1 (grab)
- f. pH (max): 7.6 (grab)

Effluent limits are 30 mg/L for both BOD<sub>5</sub> and TSS.

6. R-2 Effluent Data Requirement and Analysis: Not Applicable

CURRENT INSPECTION

1. Maintenance:

- a. Preventive Maintenance: Current
- b. Corrective Maintenance: See section 5 below.

2. Reuse:

The facility has a DOH approved effluent irrigation management plan:

Yes                       No                       Not applicable

3. NPDES, Chapter 11-62, or other violations (effluent limitations, spills, etc.): None.

4. Visual quality of effluent on date of inspection (inspector's judgment): Very clear.

5. Facility's Present Deficiencies:

- a. Average flow is at currently at 100% of design capacity. In 2017, the average flow was at 93% of design capacity and a corrective action plan was requested but never received.
- b. Since 2013 R-2 recycled water has not been produced at the subject plant. However, annual reports on the volume of R-2 recycled water supplied for use during calendar years 2015, 2016, and 2017 each reported a total of 2.16 million gallons of R-2 recycled water supplied.
- c. Two (2) BOD<sub>5</sub> data values were invalid. On 4/16/18 and 4/25/18, BOD<sub>5</sub> data was recorded as ">13" and ">19," respectively. From this data it cannot be determined whether the 30 mg/L limit was met.

SUMMARY

General Rating:

     ACCEPTABLE         CONDITIONAL ACCEPTANCE      X   UNACCEPTABLE

The rating is based on the facility's present deficiencies list above.