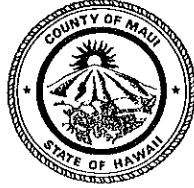


CHARMAINE TAVARES  
Mayor  
MILTON M. ARAKAWA, A.I.C.P.  
Director  
MICHAEL M. MIYAMOTO  
Deputy Director



RALPH NAGAMINE, L.S., P.E.  
Development Services Administration  
DAVID TAYLOR, P.E.  
Wastewater Reclamation Division  
CARY YAMASHITA, P.E.  
Engineering Division  
TRACY N. TAKAMINE, P.E.  
Solid Waste Division  
BRIAN HASHIRO, P.E.  
Highways Division

**COUNTY OF MAUI  
DEPARTMENT OF PUBLIC WORKS  
AND ENVIRONMENTAL MANAGEMENT**

200 SOUTH HIGH STREET  
WAILUKU, MAUI, HAWAII 96793

September 17, 2010

Mr. Orlando Davidson  
Executive Officer  
State of Hawaii  
Land Use Commission  
P.O. Box 2359  
Honolulu, Hawaii 96804-2359

Dear Mr. Davidson:

**SUBJECT: FILING OF ANNUAL REPORT 2010  
LUC DOCKET NO. SP94-386  
LANAI SANITARY LANDFILL**

Transmitted for your review are one original and one copy of the 2010 annual report for the Lanai Sanitary Landfill. An email .pdf version will also be sent to [luc@dbedt.hi.gov](mailto:luc@dbedt.hi.gov).

If you have any questions, please contact Elaine Baker at 270-7872.

SINCERELY,

A handwritten signature in black ink, appearing to read "Cheryl Okuma".

CHERYL OKUMA, ESQ.  
Director of Environmental Management

CO:eb  
Encl:

2010 SEP 29 P 1:44  
LAND USE COMMISSION  
STATE OF HAWAII

**LANAI SANITARY LANDFILL  
STATE LAND USE COMMISSION  
FY2010 ANNUAL REPORT  
FOR SP94-386**

**Part 1: Project Summary**

The County has hired Brown and Caldwell to prepare a Master Plan for Lanai Landfill and an updated Operations Plan and Closure Plan for the Operating Permit renewal application which was re-submitted in February 2010. The Department of Health (DOH) has reviewed these documents and the County, with the consultant, has been in discussion with DOH regarding new and additional permit requirements. A weather station will be installed as part of a current (FY10) capital improvement project to provide a preliminary engineering report and design of a renewable energy system to power the landfill's office trailer.

Two new positions at the landfill were filled during the year: working supervisor and equipment operator so the landfill now has three personnel: working supervisor, landfill attendant, and equipment operator. A new supervisor position for Hana, Lanai, and Molokai Landfills was also filled during the year. This person makes regular site visits to oversee landfill operations.

**Part 2: Project Compliance**

Condition No. 1

That the State Land Use Commission Special Use Permit shall be valid until September 13, 2014, subject to further extensions by the Lana'i Planning Commission and the LUC upon a timely request for extension filed at least ninety (90) days prior to its expiration.

Response

On March 19, 2008 the Lanai Planning Commission heard the County's request to extend the current Special Use Permit for another ten years. This request was approved and forwarded to the Land Use Commission for review. On September 12, 2008 the Land Use Commission approved the extension for another ten years.

Condition No. 2

That full compliance with all applicable governmental requirements shall be rendered.

Response

The landfill follows the operating criteria of RCRA 40 CFR Part 258 Subpart C--operating criteria and Chapter 58.1 of Title 11, Hawaii Administrative Rules, 11-58.1.1-15--Municipal solid waste landfills--operating criteria.

Condition No. 3

Petitioner shall utilize non-potable water, to the extent possible, for grading and dust control at the landfill.

**Lanai Landfill FY10 LUC Annual Report for SP94-386**  
**Page 2**

Response

Vegetative cover is well established on the gulch side slopes. This approach to dust control, using vegetative cover instead of watering, is used to reduce water demand where water requirements are a major concern. The landfill will be getting their own water truck and will need to locate a non-potable source for dust control.

Condition No.4

Petitioner shall ensure that impacts from windblown debris into Kalamaiiki Gulch is mitigated in a timely manner.

Response

A series of litter fences are placed next to and downwind of the working face to catch litter before it blows away. Netting has been anchored by poles at the downwind landfill perimeter as well as downwind of the working face; portable litter fences are located downwind and adjacent to the working face. Landfill personnel routinely collect litter from these fences. Additionally, a perimeter fence functions as a litter barrier. Refuse disposal is confined to the working face and is compacted after receipt to reduce litter.

Condition No.5

Petitioner shall immediately stop work and contact the State Historical Preservation Division, Department of Land and Natural Resources should any previously unidentified archaeological resources such as artifacts, shell, bone, charcoal deposits, human burial, rock or coral alignments, pavings or wall be encountered during development of the Special Permit area.

Response

No archaeological resources were discovered during the previous construction of the storm water system nor during the recent construction which involved its repair and reconstruction. The landfill is expanding vertically over an existing footprint so is working over a previously established disposal area rather than over new ground.

Condition No. 6

Petitioner shall fully comply with requirements of the State Department of Health for sanitary landfill operation.

Response

The Department of Health has reviewed the updated Operations Plan and Closure Plan and Master Plan as part of the permit renewal application. The County is currently in discussion with DOH regarding new and additional permit requirements.

## Lanai Landfill FY10 LUC Annual Report for SP-94-386

### Page 3

#### Condition No.7

Petitioner shall timely provide without any prior notice, annual reports to the Land Use Commission and the County of Maui Planning Department in connection with the status of the subject project and Petitioner's progress in complying with the conditions imposed herein. The annual report shall also include the capacity remaining in the landfill at the time of submission of the annual report. The annual report shall be submitted in a form prescribed by the Executive Officer of the Commission.

#### Response

This submission of this report to the State Land Use Commission complies with this condition. The remaining capacity, projected by Brown and Caldwell in the Master Plan from ground surveys done by Akamai Land Surveying in 2007 and 2008, is 28 years.

#### Condition No. 8

The conditions imposed herein may be fully or partially released upon timely motion to the Lana'i Planning Commission and Land Use Commission and upon the provision of adequate assurance of satisfaction of these conditions by the Petitioner.

#### Response

In the June 29, 2004 request to the Planning Department for a time extension, the Solid Waste Division also requested that the former Conditions No. 3 and No. 4 be deleted as they have been met and are no longer applicable. They were deleted.

#### Condition No. 9

Two years prior to the expiration of this Permit, The Applicant shall come before the Lana'i Planning Commission with a comprehensive plan describing how the County and/or State plan to manage the Island of Lanai's solid waste and recycling.

#### Reponse

Tri-Isle Rural Conservation and Development agency received a County grant to design and construct a recycling and redemption center to be located in Lanai City. Manthos Engineering prepared the design; Lanai Builders, Inc. constructed the facility in 2010 for about \$200,000. The redemption portion of the center will open in October 2010.

#### Condition No. 10

That the Applicant implement the attached Best Management Practices designed to minimize infiltration and runoff during the operation of the landfill.

#### Response

Containers for supplies are kept on a concrete slab near the trailer office. A 15 ft. wide concrete perimeter swale collects run-on into and run-off from the landfill and routes it into a collection basin via two riprap channels. The landfill side slopes and cover minimize infiltration of storm water into the waste.

**LANAI SANITARY LANDFILL  
STATE LAND USE COMMISSION  
FY2010 ANNUAL REPORT  
FOR SP94-386**

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## Lanai Landfill FY10 LUC Annual Report for SP94-386

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