

**LANAI SANITARY LANDFILL
STATE LAND USE COMMISSION
FY2011 ANNUAL REPORT
FOR SP94-386**

Part 1: Project Summary

The County has continued discussions with the Department of Health (DOH) regarding operating permit requirements. To this end the County has considered the installation of moisture blocks as an alternative groundwater monitoring program and has been in discussion with its consultant, Brown and Caldwell, and DOH regarding locations of the moisture blocks and details of their installation and subsequent monitoring.

For FY2010 and FY2011 the County funded two capital improvement projects for a renewable energy source to power the Lanai Landfill office and the Hana Landfill office. A preliminary engineering report and design were funded in FY2010 with \$150,000, a portion of which was used to hire Energy Industries, L.L.C. Construction was funded with \$250,000 for both Lanai Landfill and Hana Landfill in FY2011. The project is currently out to bid. Included in the bid package are thirty-six solar panels mounted on top of storage containers placed on concrete footings. Batteries in a storage unit will store electricity which will power office lights, air conditioning, refrigerator, microwave. A laptop computer and weather station are also included in the bid package. An application for a building permit for the footings has been submitted to the County.

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.

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Condition No. 3

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

Response

The landfill did get their own water truck and currently uses an agricultural source of water provided by Castle and Cooke for dust control and soil moisture conditioning.

Condition No.4

Petitioner shall ensure that impacts from windblown debris into Kalamaki 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 filling 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. The consultant, Brown and Caldwell, is revising the Operations Plan, Closure Plan, and Master Plan in response to comments by the County and DOH.

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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. Remaining capacity, projected by Brown and Caldwell in the Master Plan from surveys by Akamai Land Surveying in 2007 and 2008, is 27 years or 368,678 CY.

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 located in Lanai City on property leased by the County from Castle and Cooke. Manthos Engineering prepared the design; Lanai Builders, Inc. constructed the facility in 2010 for about \$200,000. The redemption portion of the center opened in October 2010. The redemption center operator changed to Triple R when the state rebid the center's operation in June 2011. Triple R has been granted use of equipment transferred to the County by the State and by Tri-Isle. The State had excess equipment when an operator failed to function and Tri-Isle gave its equipment to the County when it lost the bid to operate the center. The grant to Tri-Isle for the development of center infrastructure will end in June 2012. Electrical design for hook-up has been completed, but an electrical permit is needed prior to the installation of the line and meter. A building permit application has been made for a roof over the slab. The County's Abandoned Vehicle Office with Community Work Day, Castle & Cooke, and Young Brothers continued to hold semi-annual collection (Feb 23-26, 2011) events for scrap metal, appliances, batteries, cylinders.

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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 basin will be cleared of accumulated sediment prior to the rainy season. The swale is routinely cleared of any debris and sediment. The landfill side slopes and cover minimize infiltration of storm water into the waste. The tarp used as alternative daily cover is water repellent.