

**MOLOKAI INTEGRATED SOLID WASTE FACILITY
STATE LAND USE COMMISSION
ANNUAL REPORT FY2011
SP93-383**

Section One: Regulatory Compliance

Regulatory compliance issues handled during FY 2011 included the following:

- Cell 3 receiving waste since opening in December 2009,
- Preparation of a bid package for the operation of Recycle Molokai and a request for proposal for the operation of a composting facility,
- Contracting with Kitagawa's Towing & Metals Recycling to provide scrap metal collection events at the Moloka'i Metals Facility during which scrap metal appliances, vehicles, and propane tanks are received, processed, and shipped.

Moloka'i Metals Facility

The Moloka'i Metals Facility opened for two collection events in the first year of its operation. The first event was held from mid November to mid December 2010 and collected over 700 tons of white goods, both non-freon and freon, propane tanks, scrap metals, vehicles, motor bikes, tires and batteries. The second event was held on March 15, 2011 and extended to April 30, 2011. That event collected nearly 1300 tons of the same materials for a total of 2000 tons of scrap metal and related materials for the year. The County has a two year contract with Kitagawa's Towing & Metals Recycling with the option to extend for each of an additional three years. The first year was FY2011.

Section Two: Conditional Compliance

Condition 1: That appropriate monitoring of the quality of water to be discharged into neighboring gulches from drainage basins shall be undertaken to assure that toxic wastes are not part of the discharge.

Response

Repair and construction of additional drainage ways for the storm water system were done during the construction of Cell 3 and ensure that the system can adequately manage the rainfall received at the site without release of any waste. The basin was adequately sized so that the year's storm waters were contained until they evaporated.

Condition 2: That in preparation of the sanitary landfill, the landfill floor shall be further compacted and be made relatively impervious to water in order to contain leachate. Proper disposal methods of leachate shall be installed within the landfill.

Response

Cell 3 has been constructed with a composite liner of a geosynthetic as well as compacted soil. A lysimeter, pump, and riser have been installed to collect and measure any leachate. A lysimeter was installed in Cell 1 with Cell 2 graded to it. Leachate from all cells has been measured and tested to ensure it meets regulatory requirements for its constituents and their concentrations.

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Condition 3: That a traffic assessment shall be developed to determine the impact on Maunaloa Highway once the sanitary landfill is operating. This assessment shall be completed no later than one year after said landfill is in operation. Findings of the assessment shall be submitted to the State Department of Transportation, Highways Division, and the Maui County Planning Department for review.

Response

The completed report was transmitted as required on May 10, 1995. A left-turn storage lane was installed on Maunaloa Highway. Construction began in July 2008 and was completed in 2009 with Department of Transportation-Highways approving the work.

Condition 4: That the applicant shall stop work on the sanitary landfill and immediately contact the Department of Land and Natural Resources, Historic Sites Division, in the event that any previously unidentified historic, archeological, or cultural sites are encountered.

Response

This has not occurred to date during the construction of Cells 1, 2, or 3. The landfill is now being built over the established footprint and will not be active over new ground.

Condition 5: That appropriate internal vehicle circulation patterns shall be designed so as to not cause confusion and congestion within the sanitary landfill.

Response

There is a paved road into the landfill which turns into a dirt road up to the active area. Internal roadways are clearly marked for the public to easily access the active area.

Condition 6: That full compliance with the requirements of the State's Department of Health for sanitary landfill operation shall be rendered.

Response

The working supervisor manages landfill operations and two other staff: landfill attendant and laborer. The landfill operations supervisor regularly visits the landfill and oversees operations for compliance at Molokai, Lanai, and Hana. Training of landfill staff by DOH personnel was held at Molokai Landfill, which was combined with a site visit by DOH.

Condition 7: That appropriate rules shall be established to prohibit scavenging within the sanitary landfill operation.

Response

No scavenging is allowed; after hours the main gate on Maunaloa Highway is locked. The entire facility is fenced; access to it is controlled by a locked gate. The scrap metal receiving area is fenced inside the landfill parcel with a locked gate controlling access.

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Condition 8: That appropriate mitigative measures to control excessive dust generation shall be implemented.

Response

The landfill has a dedicated water truck to provide dust control on a regular basis.

Condition 9: That provision shall be enacted to ensure emergency access to the sanitary landfill in case of fire or other disaster.

Response

The County District Supervisor has keys to the gates at the highway and facility.

Condition 10: That final architectural and landscape planting plans be submitted to the Planning Department for review and approval. Upon approval by the Planning Department, a copy of the plans shall be submitted to the Land Use Commission.

Response

This was done during facility design prior to construction and opening in 1993.

Condition 11: That full compliance with other applicable government requirements shall be rendered.

Response

An NPDES permit, HI R50A626, has been extended administratively.

Condition 12: That alternative No. 3 of the geomembrane liner as found in the January 4, 1993 memo from Parametrix, Inc. to Dave Wissmar shall be used for Phase 1 of the project.

Response

This was done during construction of Cell 1 in 1993.

Condition 13: The Applicant shall provide County of Maui Planning Department and Land Use Commission copies of the final approved metes and bounds map and description delineating the permit area of approximately 37.9 acres.

Response

The subdivision was final in June 2009. The final plat for the Land Court application was prepared by Ronald Fukumoto for transmittal by County Corporation Counsel. Corporation Counsel is currently compiling all necessary documents for the Land Court transmittal.

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Condition 14: The Applicant shall commence operations of the Molokai Integrated Solid Waste Facility no later than six months from the date of filing of this Decision and Order by the Land Use Commission.

Response

The facility opened on October 1, 1993 within six months of May 14, 1993.

Condition 15: The Applicant shall timely provide, without any prior notice, annual reports to the County of Maui Planning Department and the Land Use Commission in connection with the status of the subject project and the Applicant's progress in complying with the conditions imposed herein. The annual report shall be submitted in a form prescribed by the Executive Officer of the Commission.

Response

The submission of this report meets this requirement.