MOLOKAI INTEGRATED SOLID WASTE FACILITY
STATE LAND USE COMMISSION
ANNUAL REPORT FY2016
SP93-383

Section One: Regulatory Compliance

Regulatory compliance handled during FY 2016 included the following:

- Continued contract with Maui Disposal for the Recycle Molokai facility operation.
- Continued contract with Pawn's Tree & Mulch Co. for the greenwaste operation.
- Continued contract with Refrigerant Recycling to provide ongoing collection services at the Moloka'i Metals Facility during which scrap metal, appliances, vehicles, and related materials are received, processed, & shipped to Honolulu.
- CIP budget request for Environmental Assessment (EA) for Cell 5 development.
- First year of filling in Cell 4.

Recycle Molokai

In FY 2016 Maui Disposal was in the fifth year of a 7-year contract with $410,100 encumbered previously to operate the recycling facility. The contract runs from December 1, 2011 to November 30, 2018 with no extension provision.

Greenwaste Facility

Pawn's Tree and Mulch Co. negotiated with the County for a ten year contract, which started December 1, 2012 and ends November 30, 2020 with an option to extend for two additional years, at the rate of $192,000 annually. They receive, grind, and store greenwaste which is taken by customers for personal use.

Molokai Metals Facility

Refrigerant Recycling of Honolulu was awarded a three year contract from August 1, 2013 to July 31, 2016 with an option to extend for three years to operate the metals facility. Amounts are $394,488, $394,488 and $310,295.

Budget Request for Cell 5 EA

The area for Cell 5 is outside the twelve acres covered in the original Environmental Assessment for the landfill portion of the Molokai Integrated Solid Waste Facility. A budget request was made for $160,000 to conduct an EA for Cell 5 to be used as a municipal solid waste landfill. Cell 5 is within the landfill boundary in the area originally designated for a construction and demolition (C&D) landfill. The C&D landfill was not constructed and a portion of that area is used for the greenwaste and metals facilities.

Cell 4 Fill

Construction of Cell 4 was completed in FY 2015 and fill operations were underway in FY 2016.

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
Stormwater improvements were made during the construction of Cell 4 in FY 2015. Channels and drainageways were constructed according to design to ensure that wastes do not wash away from the working area into the stormwater basin. In addition, the basin was expanded to increase its capacity. Compliance with the existing NPDES permit requires testing of any stormwater leaving the site.

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 the Cell 1 wet well and from the Cell 3 sump has been sampled and tested semi-annually and reported to the Department of Health. Cell 4 was constructed with a composite liner of geosynthetics and compacted low-permeable soil. Leachate is piped to the Cell 3 sump. Currently, leachate is pumped by the County Highway's truck and disposed of at the Kaunakakai wastewater treatment plant.

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 currently being built over the established footprint and is not active over new ground. If any previously unidentified historic, archeological, or cultural sites are encountered at any time, work will cease and Historic Sites Division notified.

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 equipment operator. The landfill operations supervisor regularly visits the landfill and oversees operations for compliance at Molokai, Lanai, and Hana. The landfill sends weekly photos to the Department of Health as part of the alternative daily cover program in which a tarp is used.

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.

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, was issued in 2013 and its terms are followed.

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 (Cell) 1.

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 handling transmittal of the necessary documents to Land Court.

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.