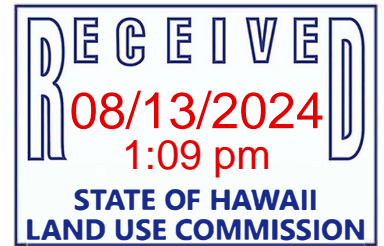


**CENTRAL MAUI LANDFILL
SP86-359 FY2024 ANNUAL REPORT**



Part 1: Project Summary

Premixing Biosolids, Greenwaste, Fats, Oil, and Grease

Co-composting ended on March 1, 2020 with subsequently received greenwaste ground and mixed with biosolids and grease trap waste and hauled to the landfill for disposal. For FY 2024 18,560 tons of commercial greenwaste, pallets, and woodchips were received with 20,080 tons of County biosolids and grit, 333 tons of private biosolids, and 5,920 tons of grease trap waste totaling 44,893 tons. 62,724 tons of mix was placed at the working face with the balance of 17,826 tons comprised of residential greenwaste. In January 2024 Maui EKO Systems, Inc. moved the mixing operation to a temporary greenwaste receiving area and sludge bunker on the 40-acre parcel across from Phase IV so that Alpha, Inc. could begin demolition of the Phase III baseyard in February 2024. Demolition was completed by March 2024 with the removal of the steel building and its slab so that excavation for the landfill cell could begin after soil sampling and testing.

Phase III-B Construction

Alpha, Inc. was contracted in August and November 2023 for the amount of their bid, \$10,912,072.50. \$1,911,677.00 was added in May 2024 for additional landfill cell area. The Notice to Proceed is dated November 15, 2023 with completion in December 2024.

Phase II Slope Improvements

The additional landfill cell area added by change order to the Alpha, Inc. contract extended the liner midway up the Phase II slope designed as Parts 6 and 7.

Part 2: Project Compliance

Condition 1: That the adjacent Kalialinui Gulch shall not be disturbed by the activities of the sanitary landfill with the exception of drainage from storm generated runoff.

Report: The Gulch was cleared of any remaining litter due to landfill operations when Phases I and II were closed in 2006. The fenced and paved perimeter road buffers the Gulch from the grass covered landfill. No further landfill activity directly abuts the Gulch except for construction of the III-B cell which began in November 2023.

Condition 2: That appropriate monitoring of the quality of water to be discharged into Kalialinui Gulch from drainage basins shall be undertaken to assure that toxic wastes are not part of the discharge.

Report: Stormwater from Phases I and II is routed downslope to the paved, perimeter Phase III roadway. It is contained by concrete barriers on both sides and directed across the Gulch into a box culvert which empties into the detention basin. Two previous detention basins were removed for the Phase III cell construction. During construction temporary berms and roadways provide stormwater controls.

**Central Maui Landfill FY2024
LUC Annual Report for SP86-359
Page 2**

Condition 3: That in the 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 leachates shall be installed within the landfill.

Report: The landfill was constructed with a compacted floor and piped leachate collection system. A riser pipe and perforated pipes running laterally from its base were placed at a low point in the landfill floor after excavation of waste to locate the original leachate collection pipe. Leachate has not been observed, due to the dryness and depth of waste, low rainfall, and warm temperatures. Trenching for a dual walled pipe from this sump as part of the Phase III-B construction will reroute leachate to the leachate collection sump in Phase III.

Condition 4: That a traffic assessment shall be developed to determine the impact on Pulehu Road 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 County of Maui's Department of Planning for review.

Report: This was completed by R. M. Towill as part of their original design work in 1986. This entrance is no longer used due to mining operations by HC&D.

Condition 5: 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, archaeological or cultural sites are encountered.

Report: No previously unidentified historic, archaeological, or cultural sites were found.

Condition 6: That appropriate internal vehicle circulation patterns shall be designed so as to not cause confusion and congestion within the sanitary landfill.

Report: Phases I and II are closed to all public traffic and only accessed for monitoring and maintenance. Phase III roadways adjacent to Phase III-A were paved as part of the construction of the new III-A landfill to allow access and stormwater management.

Condition 7: That full compliance with the requirements of the State's Department of Health for sanitary landfill operation shall be rendered.

Report: Phases I and II were closed according to Department of Health (DOH) rules and regulations. Phase III operates according to its DOH permit.

Condition 8: That appropriate rules shall be established to prohibit scavenging within the sanitary landfill.

Report: Phases I and II are closed to the public and capped according to regulations.

Central Maui Landfill FY2024
LUC Annual Report fo SP86-359
Page 3

Phase III access points are controlled by gates.

Condition 9: That appropriate mitigative measures to control excessive dust generation shall be implemented.

Report: Phases I and II are covered with drought-resistant grass and has paved roads. There are no areas with exposed soil which would generate dust. Periodic rainfall replenishes vegetated cover. Operations in Phase III control dust with water trucks.

Condition 10: That provisions shall be enacted to ensure emergency access to the sanitary landfill in case of fire or any other disaster.

Report: The Fire Dept. on Dairy Road has keys to the landfill in case of a problem.

Condition 11: That warning signs shall be clearly posted near all entry points of the landfill to indicate any blasting activity on the adjacent rock quarry.

Report: Blasting contractors post signs and restrict traffic during blasting activities; the active quarrying is on the other side of Phase I and II from the public access side.

Condition 12: That full compliance with any other applicable government requirements shall be met.

Report: New Source Performance Standards (NSPS) are followed for landfill gas measurement, for wells within the landfill, surface emissions from the cover, and perimeter gas probes. Monitoring of perimeter probes is done quarterly and reports are made to the Department of Health, Solid Waste Branch. Landfill gas is piped to the flare at Phase IV, which is monitored according to its Clean Air permit. At Phase II in preparation for the landfill cell construction, two wells were remoted; four wells converted to sub-cap collectors; two sub-cap collectors installed; and a section of the dual contained header across the gulch was replaced

Condition 13: Petitioner will submit to the Commission a letter from Ameron HC&D requesting an amendment to the Special Permit issued under docket No. SP77-271 to delete a portion of land consisting of the Property, currently approved for quarrying purposes, for the establishment of the Project, pursuant to Section 205-6, Hawaii Revised Statutes. At Phase II, in preparation for the landfill cell construction, two wells were remoted; four wells converted to sub-cap collectors; two sub-cap collectors installed; and a section of the dual contained header across the gulch was replaced

Report: This was completed at that time.

Condition 14: Permitted activities shall include the processing of special waste into marketable materials, such as biodiesel and compost, as an additional use under the special permit.

**Central Maui Landfill FY2024
LUC Annual Report for SP86-359
Page 4**

Report: Marketable materials are no longer produced on the Phase III site.

Condition 15: That the Applicant shall satisfy the County of Maui Department of Water Supply standards for fire protection.

Report: The operation requiring fire protection on Phase III was moved in FY2024.

Condition 16: That security safety measures including, but not limited to, the methanol tanks, onsite catalyst, and lab container shall be implemented due to the type of products used and produced onsite.

Report: As biodiesel production has been discontinued, these no longer apply.

Condition 17: That a combustible liquid tank permit shall be acquired and maintained, as necessary.

Report: This is no longer needed.

Condition 18: That the Applicant shall timely provide without any prior notice, annual reports to the Commission and the County of Maui Department of Planning in connection with the status of the uses approved under the special use permit 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.

Report: Filing of this FY 2024 annual report complies with this condition.