

**STATE SPECIAL PERMIT SP97-
390 FY 17 ANNUAL REPORT**

APPENDIX

A-1

**CENTRAL MAUI LANDFILL EXPANSION
STATE LAND USE COMMISSION
FY 2017 ANNUAL REPORT
SP97-390**

Part 1: Project Summary

Construction and Demolition (C&D) Debris Screening Procedures

Following the closure of the Maalaea Construction and Demolition Landfill in FY 2017, Central Maui Landfill became the disposal site for construction and demolition waste. A consultant, Element Environmental, was contracted for \$87,980 on April 17, 2017 to screen customer waste and a contractor, TJ Gomes Trucking Co., Inc. was contracted on October 27, 2016 for \$454,000 to process earthen material and concrete rubble and divert the material from the landfill.

Temporary Debris Sorting and Recovery Site (TDSR)

After the heavy rains in Iao Valley in September 2016, a TDSR site was set up on the 40-acre portion of the Central Maui Landfill parcel to manage storm debris, greenwaste, rock, and sediment. FEMA Guidelines were followed for reimbursement of expenses.

CML Facilities

Sub-consultant work, traffic study, flora and fauna, and archaeological assessment commenced early in FY2017 for the Environmental Assessment for landfill diversion activities planned for the 40-acre portion of the site. Munikeyo Hiraga was contracted for permitting for \$192,460 and A-Mehr \$158,920 for engineering support of permitting.

Electrical Distribution System Upgrades

A Notice-to-Proceed was issued on May 18, 2017 to Brown & Caldwell to design electrical system upgrades for \$79,222. Tasks include design of a new cabinet with a new electrical feed, panelboard, concrete pad, transfer switch, emergency generator. Flowmeters will be installed from the Phase IV-A and IV-B sumps to the tank farm. Modifications will be made to Phase IV-B piping and manhole to allow leachate recirculation from the tank farm back to the leachfield.

Construction of Phase V Vertical and Horizontal Gas Collection Systems

Kiewit Infrastructure West Co. was issued a contract for \$1,538,200 on December 27, 2016 to construct the gas collection systems. Cornerstone was contracted to provide construction quality assurance services for \$164,429 on December 12, 2016.

Design of Phase VI-A (now Phase V-B Extension)

On March 7, 2017 an amendment was made to the design contract with A-Mehr, Inc. for \$168,200 for design, engineering, and permitting. Discussions were held with the Department of Health regarding permitting and bid documents prepared for FY2018.

SCADA

An electrical consultant was selected for the \$80,000 budgeted in FY2017 for system control and data acquisition (SCADA) design services.

Part 2: Project Compliance

Condition 1: That the Land Use Commission Special Permit shall be valid until October 31, 2018, subject to further time extensions by the Land Use Commission upon a timely request for extension filed at least one-hundred twenty (120) days prior to its expiration. The appropriate Commission shall make a recommendation to the Land Use Commission and may require a public hearing on the time extension.

Report: This condition was approved by Land Use Commission at the February 19, 2009 meeting when the request for the Third Amendment was under discussion. Accordingly, the permit remains valid for one more year. The permit renewal application will be made as a part of the application for the diversion activities on the 40 acres.

Condition 2: That the conditions of this State Land Use Commission Special use Permit shall be enforced pursuant to Sections 205-12 and 205-13, Hawaii Revised Statutes. Failure to comply with one or more of the conditions herein shall result in a notice of violation issued by the appropriate enforcement agency, notifying the permit holder of the violation and providing the permit holder no more than sixty (60) days to cure the violation. If the permit holder fails to cure the violation within sixty (60) days of said notice, the appropriate enforcement agency shall issue an order which may require one or more of the following: that the violative activity cease, that the violative development be removed; that a civil fine by paid not to exceed ONE THOUSAND AND NO/100 DOLLARS (\$1,000) per violation; that a civil fine not to exceed FIVE THOUSAND AND NO/100 DOLLARS (\$5,000.00) shall be issued if violation not cured within six months of the issuance of the order. The order shall become final thirty (30) days after the date of its mailing or hand-delivery unless written request for a hearing is mailed or delivered to the Planning Department within said thirty (30) days. Upon receipt of a request for a hearing, the Planning Department shall specify a time and place for the permit holder to appear and be heard. The hearing shall be conducted by the Planning Director or the Director's designee in accordance with the provisions of Chapter 91, HRS, as amended.

Report: The County is complying with all conditions.

Condition 3: That the subject Land Use Commission Special Use Permit shall not be transferred without the prior written approval of the Land Use Commission. The appropriate Planning Commission shall make a recommendation to the Land Use Commission. However, in the event that a contested case hearing preceded issuance of said State Land Use Commission Special Use Permit, a public hearing shall be held by the appropriate Planning Commission upon due published notice, including actual written notice to the last known addresses of parties to said contested case and their counsel.

Report: No request for transfer has been made.

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Condition 4: That full compliance with all applicable governmental requirements shall be rendered.

Report: The landfill is permitted by DOH and 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 5: That the Applicant shall develop the Property in substantial compliance with the representations made to the Land Use Commission in obtaining the State Land Use Commission Special Use Permit. Failure to so develop the Property may result in the revocation of the permit.

Report: The Property has been developed as proposed to the Land Use Commission.

Condition 6: That the Applicant shall begin construction of the landfill expansion within 12 months from issuance of the Land Use Commission's decision and order dated May 13, 2002. Construction shall include any improvements necessary to the operation of the landfill pursuant to all applicable laws and regulations.

Report: The construction of the entrance facility began on March 3, 2003.

Condition 7: That the Applicant shall take appropriate mitigative measures to minimize erosion, and prevent cement products, oil, fuel, and other toxic substances associated with the use of heavy machinery from spilling or leaching into the ground.

Report: Landfill equipment is maintained regularly, replaced or repaired when needed; contractor equipment is in good operating condition with no leaking parts. The Spill Prevention and Containment Plan is updated annually for the NPDES Storm Water Pollution Control Plan.

Condition 8: That the Applicant shall comply with the Department of Health Ambient Air Quality Standards, Hawaii Administrative Rules, Title 11, Chapter 59 and Air Pollution Control, HAR 11-60.

Report: Landfill operations comply with air quality regulations. Dust is controlled by paved roadways around the landfill and with the water truck for the heavily traveled roadways that remain unpaved. Dust from cover soil is controlled by moisture conditioning. Tarp use decreases the use of cover soil which results in less dust. The landfill gas flare is maintained regularly and its output is monitored on a routine basis. Reporting and notifications to the Department of Health Clean Air Branch and Solid Waste Branch are made as required.

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Condition 9: That the Applicant shall comply with the EPA's New Source Performance Standards.

Report: The County continues to sample and meter the gas wells installed within the landfill. Surface emissions measurements are taken at the closed Phases I and II. In addition, perimeter gas monitoring probes at Phases I and II and IV and V are sampled and metered. Gas well measurements are compiled in reports submitted to the Hawaii Dept. of Health, Clean Air Branch for review. Perimeter monitoring results are sent to the Hawaii Dept. of Health, Solid Waste Branch. A landfill gas collection system installed in Phases I and II pipes landfill gas to the flare in Phase IV where the emissions are ignited. Design and construction of a gas collection system for Phase IV was funded in FY2010 for \$2M. Cornerstone was the designer; gas well construction was completed by Goodfellow Bros. in June 2011. This work was part of a settlement agreement with the U.S.E.P.A. which also includes the design and installation of wind turbines to produce electricity for landfill facilities. Phase V vertical and horizontal wells were installed in FY 2017 and Cornerstone was contracted for compliance and O&M services on October 28, 2016 for \$215,311.

Condition 10: That the Applicant shall immediately stop work and contact the State Historic 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 Use Permit area.

Report: No archaeological resources such as artifacts, shell, bone, charcoal deposits, human burial, rock or coral alignments have been discovered during any construction.

Condition 11: That provisions shall be enacted to ensure emergency access to the sanitary landfill in case of fire or any other disaster.

Report: Fire Dept. and Police Dept. have keys to the gate to enter the landfill anytime.

Condition 12: That the Applicant 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 Applicant'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 the Executive Officer of the Land Use Commission.

Report: This annual report is submitted to meet this condition. With the construction of Phase V in 2012, the landfill has capacity to 2020. Construction of Phase V-B Extension is budgeted and scheduled for FY 2018 which will add three years capacity.

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Condition 13: That the Applicant shall utilize non-drinking water, to the extent possible, for grading, dust control, and irrigation of the landfill.

Report: The landfill applies leachate to the daily face for litter control. The non-potable water production well ensures that non-drinking water is used to meet the landfill's operational needs.

Condition 14: That the Applicant shall reasonably ensure that windblown debris around the perimeter of the landfill, particularly within areas visible from the public right of way, are removed on a daily basis.

Report: Portable litter fences are installed near the working face to catch any litter from the trucks as they unload the municipal solid waste. The landfill staff use a vacuum to collect litter from around the entrance facility while crews from People Who Clean manually pick up litter along Pulehu Rd. and the grounds not reached by the vacuum. A permanent, 30-foot litter fence is installed between Phases V-A and V-B and Pulehu Rd.

Condition 15: That full compliance with the requirements of the State's Department of Health for sanitary landfill operation shall be rendered.

Report: Landfill operations are in compliance with the terms and conditions of Permit No. LF-0091-04 issued by the Department of Health and effective to October 2014. That Permit is administratively extended until a renewal permit is issued.

Condition 16: That the Applicant shall clarify the entire acreage that is the subject of LUC Docket No. SP97-390 with the Maui Planning Commission and the LUC by filing an aerial photographic map with overlay and a site map clearly depicting the proper acreage of SP97-390.

Report: The maps were sent to the Maui Planning Commission and the LUC at the time they were requested.

Condition 17: That to the extent practicable, leachate generated at the landfill shall be returned to the landfill.

Report: Leachate, in compliance with the operating permit, generated at the active area were applied to the working face for increased compaction and litter control. A leachate recirculation plan was prepared by the landfill consultant and submitted to the Dept. of Health in 2013. The plan includes placing pipes in the waste to circulate leachate collected at the sump. Piping and trenching was done by Goodfellow Bros. in 2014 at Phase V-A. In FY 2016 a leachate recirculation system for V-B was constructed by Betsill Brothers, which included pump installation, controls, and manifold piping. This work was completed in March 2016.