Dr. Alan S. Downer, Administrator
Department of Land and Natural Resources
State Historic Preservation Division
Kakuhiwewa Building
601 Kamokila Blvd., Ste 555
Kapolei, Hawai‘i 96707

Dear Dr. Downer:

Subject: Request to Initiate Section 106 Consultation
Līhu‘e Wastewater Treatment Plant Process Improvements
Kaua‘i, TMK (4) 3-5-001:030

On behalf of the Environmental Protection Agency (EPA), the Hawai‘i State Department of Health (DOH) would like to invite you to participate in consultation for the proposed wastewater system improvement project, located in the city of Līhu‘e on the island of Kaua‘i.

The proposed project will utilize federal funding that is administered by the State through the State Revolving Fund (SRF) and will be considered a federal action and undertaking, as defined by Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (2006). Therefore, the EPA will require compliance with the NHPA, Section 106 and other federal requirements. The EPA has authorized the Hawai‘i State Department of Health, to act on behalf of the EPA regarding the NHPA Section 106 notification and consultation.

Project Description and APE
The Hawai‘i State DOH, through the County of Kaua‘i Department of Public Works (County), is proposing to replace various mechanical and electrical equipment and an open steel canopy at the Līhu‘e Wastewater Treatment Plant (WWTP) to improve service reliability within the Līhu‘e area. The Area of Potential Effect (APE) is approximately 0.17 acres, which is primarily comprised of the footprint of a 60-foot diameter concrete tank where mechanical equipment will be replaced (Attachment A).

The County is proposing to replace headworks screening equipment, internal mechanical equipment at one secondary clarifier, and two submersible pumps and associated aboveground piping. All mechanical equipment will be replaced in the same footprint as the existing equipment. An open steel canopy that provides cover to pumping equipment will also be replaced with a structure in the same material and in the same footprint. Refer to Attachment B for draft drawings of the proposed work. All construction activities will be within the existing Līhu‘e WWTP property.
Cultural, Historical, and Archaeological Background

The project area is in the Līhu'e neighborhood of Kaua'i in the moku (traditional Hawaiian district) of Puna, and the ahupua'a (traditional land division) of Kalapakī. The ahupua’a of Kalapakī is a very old land division that was permanently inhabited and intensively used in Pre-Contact Hawai‘i. The coastal zones were the locus for permanent habitation and numerous trails. There were fishponds at Kalapakī, and intensive agriculture within the valley floodplain of Nāwiliwili River. The dryland areas contained native forest and were cultivated with crops of wauke, sweet potatoes, and gourds. Many features of the landscape are described in legends and historic documents. With the emergence of the sugar industry in the 1800s, Līhu'e became the central city of the island with the construction of sugar plantations and a large sugar mill.

Topography in the project area is slightly sloped with elevations ranging from 125 to 130 ft. above mean sea level. The project area is approximately 0.6 miles inland from the coastline. The soils within the APE consist of Līhu'e silty clay, 0-8% slope, Līhu'e silty clay, 25-40% slope, eroded, and Līhu'e gravelly silty clay, 0-8% slope. Based on as-built research, the treatment plant has been subjected to major development with various projects in 1981, 1997, and 2002.

Summary of Archaeological, Cultural and Architectural Sites within the APE

To the knowledge of the County, there are no known historic, archaeological, cultural or architectural sites within the project’s APE. The only structure affected by this proposed project, the open steel canopy, was constructed in 1981, based on as-built research. Therefore, it does not qualify as a “historic property,” as defined in HRS 6E-2.

Archival research included searching the Office of Environmental Quality Control (OEQC) database of environmental assessments (EAs) and environmental impact statements (EISs) as well as the National Register of Historic Places within the Līhu'e WWTP area. Results from both investigations indicated that there were no properties listed on the project site.

Additional research included review of reports and correspondence related to the subject parcel and the surrounding areas. One such document is a letter pertaining to the subject WWTP property which found that previous work would not affect historic properties because the land had already been previously disturbed by cultivation and development (State of Hawai‘i, Department of Land and Natural Resources, 2007) (Attachment C).

Other identified research included archaeological surveys for projects on adjacent land parcels, including the Līhu'e airport (Cultural Surveys Hawai‘i, Inc., 2006), the Nāwiliwili-Ahukini Bike Path (Cultural Surveys Hawai‘i, Inc., 2014), and the nearby Kaua‘i Lagoons subdivision (State of Hawai‘i, Department of Land and Natural Resources, 2010). Some of these archaeological surveys identified cultural resources within their proposed project limits; however, none of the identified resources are located near the WTTP site and thus will not be impacted in any way by the proposed WWTP improvements project. All reviewed research is referenced at the end of this letter.

Significant construction activities were completed at this facility in 1981, 1997, and 2002; it is therefore highly unlikely that new cultural sites will be discovered at this time. Attachment D contains applicable sheets from the available as-builts.

Additionally, required excavation for this proposed project is limited to the replacement of electrical conduit. Therefore, the small amount of excavation required will remain shallow and will likely remain in the footprint of where excavation was previously completed.
Consultations

Section 106 consultation letters have also been sent to other organizations or individuals that might attach significance to this area and have invited them to participate in the process. The mailing list is provided as Attachment E.

We welcome any comments that you may have on this project’s proposed improvements. We are particularly interested in any information you may have on the historic and cultural sites that have been recorded in the area. In addition, if you are acquainted with any persons or organization that is knowledgeable about the proposed project area, or cultural knowledge or concerns for the proposed project area, we would appreciate receiving their names and contact information.

We would appreciate a written response within 30 days from receipt of this letter. Should you have any questions, please contact Jonathan Nagato of our branch at 586-4294 or email him at jonathan.nagato@doh.hawaii.gov.

Sincerely,

SINA PRUDER, P.E., CHIEF
Wastewater Branch

Attachment A: Area of Potential Effect Map
Attachment B: Draft Līhu’e WWTP Process Improvements Drawings
Attachment C: 2007 DLNR SHPD Letter about the subject WWTP Parcel
Attachment D: Līhu’e WWTP As-builts
Attachment E: Mailing List
Attachment F: References

c: County of Kaua‘i DPW – Jason Kagimoto
Brown and Caldwell – Dustin Yamamoto
DESTRUCTION ROOF PLAN

COUNTY OF KAUI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER MANAGEMENT

1. The Contractor shall abide by all applicable Federal, State and Local environmental protection standards, laws and regulations.
2. Protect existing work that is to remain in place, repair areas that are damaged during construction to their original condition or better at no additional cost to the County.
3. Contractor shall identify, locate and extent of any hazardous materials and notify appropriate methods for remediation prior to start of work.
4. The disturbance or excavation of lead-containing materials may cause hazardous dust to be released into the environment, thereby creating a potential health hazard to workers and neighboring occupants. Workers, supervisors, field personnel, subcontractors and consultants shall be at the job site of the disturbance of the materials and exposed work practices. Above must be followed.
5. Provide barriers, signage, and other protective measures to safeguard workers, neighboring occupants, and the public from exposure to hazardous materials, airborne or otherwise. Such measures shall include the procedures and methods required below and compliance with regulations of applicable federal, state and local agencies.
RSS PUMP STATION 2
CANOPY SECTIONS

S-404

18

DRAWING

SHEET

OF

LIHUE WWTP

PROCESS IMPROVEMENTS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

4/30/2020

A

B

C

D

E

F

G

H

INCH SCALE ACCORDINGLY AT FULL SIZE, IF NOT ONE INCH
COUNTY OF KAUA'I DEPARTMENT OF PUBLIC WORKS DIVISION OF WASTEWATER MANAGEMENT

BK

DL

GM

GM

LIHUE WWTP PROCESS IMPROVEMENTS RSS PUMP STATION 2 CANOPY SECTIONS
GENERAL NOTES:

1. GENERAL ARRANGEMENT SHOWN BASED ON RECORD DRAWINGS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF DEMOLITION.

KEY NOTES:

1. STEP SCREENS PER SECTION 46 21 26.
2. WASHER/COMPACTOR PER SECTION 46 21 73.
3. FIELD ROUTE NEW 2" WR FROM EXISTING RECLAIMED WATER TO SCREEN AND WASHER/COMPACTOR CONNECTIONS. SUPPORT NEW WR PIPING PER DETAIL C/M-002.
4. INSTALL VENDOR-PROVIDED CHUTE BETWEEN SCREENS AND WASHER/COMPACTOR AFTER EQUIPMENT IS SET.
5. SUPPORT BOTH SCREENS USING A COMMON SUPPORT BEAM AT CENTER OF CHANNELS.
6. EQUIPMENT PAD PER DETAIL D/M-002.
7. SLOPE PIPE TOWARD INFLUENT CHANNEL AT 2% MIN.
8. PROVIDE NEW PIPE RAILING TO MATCH EXISTING. COMPLY WITH OSHA STANDARD 1910.23.
9. SUPPORT WASHER/COMPACTOR DISCHARGE PIPE PER DETAIL B/M-002.

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1. SECONDARY CLARIFIER EQUIPMENT PER SECTION 46 43 21.13.
2. FOR CLARITY, NOT ALL STRUCTURAL DETAILS ARE SHOWN.
3. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
4. PLACE CONCRETE TOPPING 2" THICK, PER SECTION 03 30 10.

KEY NOTES:
1. SUPPORT NEW WR PIPING PER DETAIL C/M-002.

UPPER LEVEL PLAN
SCALE: 3/16" = 1'-0"

LOWER LEVEL PLAN
SCALE: 3/16" = 1'-0"

FLOCCULATION WELL Baffle

DENSPS CURRENT Baffle

FLOC. BEACH DETAIL C/M-204

SCUM BATTLE DETAIL C/M-205

Effluent Weir DETAIL F/M-205

Effluent launder DETAIL F/M-205

SCUM SUCTION HEADER TRUSS SUPPORT TYP OF 2

SLUDGE SUCTION HEADER

SC 1 SLUDGE COLLECTOR

TANK DRAIN SUMP

ROTATION

SCUM BEACH DETAIL C/M-204

SCUM BATTLE DETAIL C/M-205

EFFLUENT WEIR DETAIL F/M-205

EFFLUENT LAUNDER DETAIL F/M-205

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LOWER LEVEL PLAN
SCALE: 3/16" = 1'-0"
GENERAL NOTES:
1. EXISTING INFORMATION SHOWN BASED ON RECORD DRAWINGS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF WORK.

KEY NOTES:
1. NEW GRATING ABOVE WETWELL. SEE STRUCTURAL SHEETS FOR MODIFICATIONS IN THIS AREA. PROVIDE BLOCKOUTS IN GRATING FOR PUMP DISCHARGE PIPING AND PUMP POWER/CONTROL CABLES.
2. DAVIT CRANE BASE PER SECTION 41 32 13.25 MOUNTED ON NEW FOOTING. SEE STRUCTURAL SHEETS FOR FOOTING DETAIL.
3. SUBMERSIBLE PUMP PER SECTION 43 23 60.11.
4. STAINLESS STEEL BAFFLE PLATE. SEE DETAIL AA-303.
5. PUMP GUIDE RAILS PROVIDED BY PUMP MANUFACTURER. SECURE RAILS TO WALLS PER MANUFACTURER'S DIRECTIONS.
6. CHECK VALVE, REFERENCE SECTION 40 08 65.09.
7. PLUG VALVE, REFERENCE SECTION 40 05 03.02.
8. SUPPORT NEW RSS PIPING PER DETAIL BB-302. REFERENCE SECTION 40 05.07.
9. INSTALL PRESSURE INSTRUMENT ON ISOLATION RING.
April 20, 2007

Trudy Hamic
M&E Pacific Inc.
841 Bishop Street, Suite 1900
Honolulu, Hawaii 96813

Dear Ms. Hamic:

SUBJECT: Chapter 6E-42 Historic Preservation Review – DEA Lihue Wastewater Treatment Plant Facilities Plan
Lihue, Kauai
TMK: (4) 3-5-001: 030

The aforementioned project is for a wastewater facility located in Lihue.

We believe that “no historic properties will be affected” by this undertaking because:

- a) intensive cultivation has altered the land
- b) residential development/urbanization has altered the land
- c) previous grubbing/grading has altered the land
- d) an acceptable archaeological assessment or inventory survey found no historic properties
- e) this project has gone through the historic review process, and mitigation has been completed
- f) other:

In the event that historic resources, including human skeletal remains, are identified during the construction activities, all work must cease within the immediate vicinity of the find, the find shall be protected from additional disturbance, and the State Historic Preservation Division, Kauai Section, needs to be contacted immediately at (808) 742-7033.

Aloha,

Melanie Chinon, Administrator
State Historic Preservation Division

NM:rtp

c: Genevieve Samonson, OEQC
    David Chung, DAGS
CONSTRUCTION PLANS FOR

LIHUE WASTEWATER TREATMENT PLANT EXPANSION PHASE IV

COUNTY OF KAUA'I

PREPARED BY:
M & E PACIFIC, INC.
ENGINEERS & ARCHITECTS
HONOLULU, HAWAII

PREPARED FOR:
WASTEWATER DIVISION
DEPARTMENT OF PUBLIC WORKS
COUNTY OF KAUA'I

APPROVED:

VICINITY MAP
NOT TO SCALE

LOCATION PLAN
NOT TO SCALE

AS-BUILT TrACkMAn
CERTIFIED EXPlAnATIoN
APPROVED EXPlAnATIoN

5/32/92

5/32/92

5/23/92

MAYOR, COUNTY OF KAUA'I
COUNTY OF KAUA'I
STATE OF HAWAII
COUNTY OF KAUAI
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WASTEWATER MANAGEMENT

LIHUE WASTEWATER TREATMENT PLANT
EFFLUENT DISPOSAL SYSTEM
LIHUE, KAUAI, HAWAII

Prepared By:
FUKUNAGA & ASSOCIATES, INC.

VICINITY MAP

LOCATION MAP

APPROVALS

AS-BUILT DRAWINGS
<table>
<thead>
<tr>
<th>Organization</th>
<th>Contact Person</th>
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<tbody>
<tr>
<td>Association of Hawaiian Civic Clubs</td>
<td>Ms. Annelle Amaral (President)</td>
</tr>
<tr>
<td></td>
<td>Mr. Soulee LKO Stroud (Immediate Past President)</td>
</tr>
<tr>
<td>Friends of 'Iolani Palace</td>
<td>Mr. Kippen de Alba Chu (Exec Dir)</td>
</tr>
<tr>
<td>Historic Hawaii Foundation</td>
<td>Ms. Kiersten Faulkner (Exec Dir)</td>
</tr>
<tr>
<td>Hui Malama O Koloa</td>
<td>Mr. Ted Blake (Exec Dir)</td>
</tr>
<tr>
<td>Ko‘olau Foundation</td>
<td>Ms. Mahealani Cyper (Secretary)</td>
</tr>
<tr>
<td>Nā Kuleana o Kāna‘a ʻŌiwi</td>
<td>Ms. Donna Kaliko Santos</td>
</tr>
<tr>
<td>Office of Hawaiian Affairs</td>
<td>Dr. Kamana‘opono M. Crabbe Ph.D. (Ka Pouhana aka CEO)</td>
</tr>
<tr>
<td>Department of Hawaiian Homelands (DHHL) - General</td>
<td>Ms. Jobie Masagatani (Chair)</td>
</tr>
<tr>
<td>Department of Hawaiian Homelands (DHHL) - Planning Office</td>
<td>Kaleo Manuel (Acting Planning Program Manager)</td>
</tr>
<tr>
<td>Department of Hawaiian Homelands (DHHL) - Kauai District Office</td>
<td>Erna Kamibayashi (Supervisor)</td>
</tr>
<tr>
<td>Kauai and Niihau Island Burial Council</td>
<td>Mr. Keith Yap (Chair)</td>
</tr>
<tr>
<td></td>
<td>Mr. Milton Ching</td>
</tr>
<tr>
<td>SHPD - Kauai Specific Contacts</td>
<td>Ms. Kauanoe Hoomanawanui (Burial Sites Specialist)</td>
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<tr>
<td></td>
<td>Kaʻahiki Solis (Cultural Historian)</td>
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<tr>
<td>Kauai Historical Society</td>
<td>David Buckley (Kauai Lead Archaeologist)</td>
</tr>
<tr>
<td>Queen Deborah Kapule Hawaiian Civic Club</td>
<td>Bob Schleck (President)</td>
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<td></td>
<td>Liberta Lilia Hussey Albao (President)</td>
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<tr>
<td>Kaua‘i Po‘o - Aha Moku Advisory Committee</td>
<td>Ms. Leah Pereira &amp; Pat Pereira</td>
</tr>
<tr>
<td>Aha Moku Council - Mano O Kalanipo</td>
<td>Thomas Hashimoto (Kauai Rep)</td>
</tr>
<tr>
<td>Hui Malama I Na Kupuna O Hawaii</td>
<td>Puanani Rogers (Kauai Coordinator)</td>
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<tr>
<td>Kauai Historic Preservation Commission</td>
<td>Mr. Edward Halealoha Ayau (Exec Dir)</td>
</tr>
<tr>
<td>Niihau/Kauai Ahamoku Ahupuaa</td>
<td>Victoria Wichman (Chair)</td>
</tr>
<tr>
<td>Hoʻokipa Network of Hawaiian CBOS on Kaua‘i</td>
<td>Ms. Mahealani Sylvia (Chair)</td>
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<tr>
<td>Kaua‘i Heritage Center Of Hawaiian Culture and the Arts</td>
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<tr>
<td>Grove Farm</td>
<td>Anne Frederick</td>
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<tr>
<td>Hawaiʻi Alliance for Progressive Action (H.A.P.A.)</td>
<td>Beryl Blaich</td>
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<tr>
<td>Mālama Māhāʻulepū</td>
<td>Debbie Jackson; Adam Asquith</td>
</tr>
<tr>
<td>Hui Hoʻopulapula Nā Wai o Puna</td>
<td></td>
</tr>
</tbody>
</table>
References

Cultural Surveys Hawai‘i, Inc. (2006). *Archaeological Inventory Survey of the Proposed Līhu‘e Airport Improvements, Hanamā‘ulu and Kalapākī Ahupua‘a, Līhu‘e District (Puna Moku), Island of Kaua‘i).*


State of Hawai‘i, Department of Land and Natural Resources; Hawai‘i Department of Transportation. (2008 - 2017). *Determination for Historic Properties Ahukini to Lydgate Bicycle/Pedestrian Path, Kaua‘i, Hawai‘i.* *Various Communications.*
**Project Name:** Lihue Wastewater Treatment Plant Process Improvements  

**Island:** Kauai  
**District:** Puna  
**TMK:** (4) 3-5-001:030  
**Permits:** N/A  
**Applicant or Proposing Agency:**  
State of Hawaii, Department of Health, Environmental Division, Wastewater Branch  
2827 Waimano Home Road, #207  
Pearl City, Hawaii 96782  
Contact & Phone: Mr. Jon Nagato, (808) 586-4294  

**Approving Agency:**  
State of Hawaii, Department of Health, Environmental Division, Wastewater Branch  
Contact & Phone: Mr. Jon Nagato, (808) 586-4294  

** Consultant:**  
**Status:** Comments due no later than January 7, 2019 to:  
2827 Waimano Home Road, #207  
Pearl City, Hawaii 96782  
Attn: Mr. Jon Nagato  
Email: wwb@doh.hawaii.gov

**Summary:**

The Department of Health (DOH) is initiating Section 106 of the NHPA consultation with the State Historic Preservation Division (SHPD) in accordance with 36 CFR Part 800. In 1990, the U.S. Environmental Protection Agency (EPA) designated the DOH to act on EPA’s behalf, pursuant to 36 CFR §800.2 (c) (4), when initiating Section 106 of the NHPA process in connection with projects funded under the Hawaii Clean Water State Revolving Fund (CWSRF).

The DOH is providing funding under the CWSRF to the County of Kauai Department of Public Works (DPW) for the Lihue Wastewater Treatment Plant Process Improvements Project. The proposed project will utilize federal funding and is considered an undertaking, as defined by Section 106 of the NHPA, 54 U.S.C. §306101 et seq., and 36 CFR Part 800.

The County of Kaua‘i DPW, is proposing to replace various mechanical and electrical equipment and an open steel canopy at the Lihue Wastewater Treatment Plant (WWTP) to improve service reliability within the Lihue area. The project area is approximately 0.17 acres, which is primarily comprised of the footprint of a 60-foot diameter concrete tank where mechanical equipment will be replaced. All construction activities will be within the existing Lihue WWTP property.

The County is proposing to replace headworks screening equipment, internal mechanical equipment at one secondary clarifier, and two submersible pumps and associated aboveground piping. All mechanical equipment will be replaced in the same footprint as the existing equipment. An open steel canopy that provides cover to pumping equipment will also be replaced with a structure in the same material and in the same footprint.