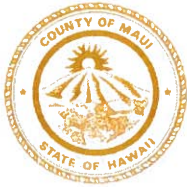


RICHARD T. BISSEN, JR.
Mayor

KEKUHAUPIO R. AKANA
Managing Director

JOHN STUFFLEBEAN, P.E.
Director

JAMES A. LANDGRAF
Deputy Director



DEPARTMENT OF WATER SUPPLY
COUNTY OF MAUI
200 SOUTH HIGH STREET
WAILUKU, MAUI, HAWAII 96793
<http://www.mauicounty.gov/water>

VIA EMAIL
dlmr.cwrn@hawaii.gov

Dawn N. S. Chang, Chair
State of Hawaii, Department of Land and Natural Resources
Commission on Water Resource Management
1151 Punchbowl Street, Board Room 132
Honolulu, Hawaii 96809

SUBJECT: Well Field Groundwater Use Permit Application (GWUPA)
for Kapalua 1 (Well #6-5938-002) and Kapalua 2 (Well #6-
5938-003) in the Honolua Aquifer System, Lahaina, Maui

Dear Chair Chang,

The County of Maui Department of Water Supply (MDWS) hereby submits a GWUPA for our Honokohau service area supplied by the above-subject wells. The MDWS purchases water from the owner of the wells, Maui Land & Pineapple Company (MLP), but the MDWS owns the infrastructure from the wells to its customer meters, which includes a booster pump, the transmission mains to distribution mains, and tanks. We are submitting this GWUPA to ensure a sufficient allocation of water from these two wells to maintain our existing customers' water needs in the Honokohau Valley. Our existing use application includes the GWUPA Form with appendices and supporting documents. Pertinent information mentioned in our GWUPA Form includes the following supplemental information:

11. Table 1

The MDWS applies for water use under the category MUNICIPAL. However, we identify customer classes that compare to the Purpose/Water Use Categories in the GWUPA Form instructions. All of the MDWS customers in the Honokohau Valley service area are billed as single family. We therefore list the end users as DOMESTIC in this GWUPA.

"By Water All Things Find Life"

A number of meters in this service area do not have a Tax Map Key (TMK) assigned. None of the services are located in the Conservation District but possibly within the Special Management Area (SMA). The MDWS does not verify whether individual end uses require a SMA permit in order to issue a water meter. The CDUP and the SMA fields are noted as N/A.

Average consumption in this service area fluctuates significantly. Unfortunately, the MDWS Honokohau Valley service area experiences significant non-revenue water loss from theft, leaks, service disruptions, meter tampering, and vandalism. Water losses here are higher than any other location amongst the MDWS service areas. Billed consumption may also reflect active meters with zero readings for certain months. The average billed water use per service of 235 gpd per unit is significantly lower than the water system standard of 600 gpd per unit. The requested amount of 18,079 gpd is the 12-month average pumpage and purchases from the MLP from the Kapalua well field as of the date of designation for distribution to Honokohau Valley customers. The requested amount is needed to shore up substantial water losses throughout this system.

18. Efficiency

The MDWS conservation program includes demand side and supply side measures that apply island wide. Please refer to Appendix G. Supply side measures include leak detection and repair. Water losses for the Honokohau service area are significant, as documented in our annual water audit. The MDWS is aware that there is water theft and vandalism in the Honokohau distribution system, and have issued numerous cease and desist orders to persons with illegal connections. The non-revenue water loss due to leaks and illegal activities in this remote location is currently at 86%.

19. Public Water System Information

Both of the Kapalua wells are owned by MLP and operated by the Hawaii Water Service Company, a PUC- regulated private system. All of the infrastructure from the wells which serve the Honokohau Valley is owned and maintained by the MDWS, a non-PUC regulated municipal public water system.

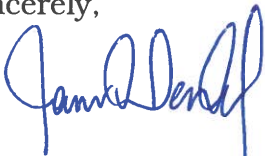
21. Table 4, 12 Months Average Calculation as of the Date of Designation

Table 4 on the GWUPA Form for the 12-month pumpage calculation only contains eight rows. Below, you will find the daily pumpage from the Kapalua 1 Well and Kapalua 2 Well that were metered at the source and purchased from MLP.

#21. TABLE 4: 12-MONTH AVERAGE CALCULATION AS OF THE DATE OF DESIGNATION					
MM/YY	AVERAGE DAILY (GPD)	Metered	Estimated	Active but unknown	Inactive
8/21	24,452	x			
9/21	16,400	x			
10/21	18,194	x			
11/21	17,500	x			
12/21	14,355	x			
1/22	20,806	x			
2/22	25,448	x			
3/22	17,032	x			
4/22	12,367	x			
5/22	11,516	x			
6/22	19,167	x			
7/22	19,710	x			

We thank you for your consideration of this request.

Sincerely,



JOHN STUFFLEBEAN, P.E.

Director of Water Supply

cc: Race Randle, Maui Land & Pineapple Company CEO

APPENDICES

A: Map of service area

B: Item 11. Table 1

C: Property Tax Map with location of use and photograph of the area of use

D: Ka Pa`akai Analysis

E: Referenced Department of Hawaiian Homelands Plans and Documents

F. Photo of well sources, flow meters and end use area.

G. Maui County Department of Water Supply Conservation Plan

H. Level-1 AWWA water loss audit

