



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT

APPLICATION FOR GROUND WATER USE PERMIT

FORM GWUPA

- ☐ New Use
☐ Modification of WUP No. _____
☒ Existing Use

For Official Use Only:

For detailed instructions on filling out this application form completely, refer to the attached instructions. Incomplete applications will not be accepted for processing.

APPLICANT INFORMATION							
1. APPLICANT INFORMATION			2. SOURCE LANDOWNER INFORMATION				
Name/Company John Stufflebean, County of Maui, Department of Water Supply (DWS)		Contact Person Eva Blumenstein	Name/Company County of Maui Department of Water Supply and State of Hawaii DLNR		Contact Person Robert DeRobles		
Mailing Address 200 S High Street Wailuku, HI 96753			Mailing Address COM Department of Water Supply State of Hawaii DLNR 200 S High St 1151 Punchbowl St Wailuku, HI 96793 Honolulu HI 96813				
Phone [REDACTED]	Fax 808-463- 3112	E-mail [REDACTED]	Phone [REDACTED]	Fax 808-270- 7136	E-mail water.supply@ mauicounty.gov		
SOURCE INFORMATION							
3. ISLAND Maui							
4. AQUIFER SYSTEM AREA Honolua			4A. SUSTAINABLE YIELD FOR ITEM 4 MGD 8 MGD				
5. SOURCE INFORMATION Attach additional sheets, if necessary.							
Well Number (if known)	Well Name	Existing or Proposed?	TMK		Flowmeter installed?		
6-5938-001	Honokahua B	existing	4 zone	2 sector	001 plot	040 parcel	<input checked="" type="checkbox"/> Yes, date installed ____ / ____ / 2005 <input type="checkbox"/> No
6-5838-001	Napili A	existing	4 zone	3 sector	001 plot	093 parcel	<input checked="" type="checkbox"/> Yes, date installed ____ / ____ / 2005 <input type="checkbox"/> No
6-5838-002	Napili B	existing	4 zone	3 sector	001 plot	094 parcel	<input checked="" type="checkbox"/> Yes, date installed ____ / ____ / 2005 <input type="checkbox"/> No
6-5838-004	Napili C	existing	4 zone	2 sector	001 plot	038 parcel	<input checked="" type="checkbox"/> Yes, date installed ____ / ____ / 2005 <input type="checkbox"/> No
			zone	sector	plot	parcel	<input type="checkbox"/> Yes, date installed ____ / ____ / ____ <input type="checkbox"/> No
			zone	sector	plot	parcel	<input type="checkbox"/> Yes, date installed ____ / ____ / ____ <input type="checkbox"/> No
USE INFORMATION							
6. TOTAL QUANTITY OF WATER REQUESTED: In the space below, enter total from Box M in Item 11 (Table 1) of this application. gallons per day, averaged over 1 year 1,911,260 gpd							
7. USE: <input type="checkbox"/> Agriculture <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial Check all that apply. <input type="checkbox"/> Irrigation <input type="checkbox"/> Military <input checked="" type="checkbox"/> Municipal							
8. LOCATION OF WATER USE: Show the location of the use on a map, attached as a .pdf to this application. See Item 11 (Table 1, column B) of this application.							
Note 2: Signing below indicates that the signatories understand and affirm that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatories understand that: (1) if necessary, further information may be required before the application is considered complete; (2) if a water use permit is granted by the Commission, this permit is subject to any existing legal uses, changes in sustainable yields and instream flow standards, reserved uses as defined by the Commission, and Hawaiian Home Lands' future uses; and (3) the applicant is responsible for paying the public notice fees associated with this application. Additionally, as stated in Note 1, above, HRS § 174C-51(1) the landowner shall be the joint applicant in the event the applicant is a lessee, licensee, developer or any person with a terminable interest or estate in the land that is the water source of the permitted water.							
9. APPLICANT			10. SOURCE LANDOWNER/JOINT APPLICANT (if applicable)				
Signature [Signature] John Stufflebean Print Name Date 8/4/2005			Signature DLNR see attached Print Name Date				

USE INFORMATION

11. TABLE 1: LAND USE CONSISTENCY (Attach additional copies, if necessary.)

LAND USE CONSISTENCY				EFFICIENCY OF USE					
A	B	C	D	E	F	G	H	I	J
PURPOSE / WATER USE CATEGORY (Use the instructions for water use category descriptions.)	SMC FOR LOCATION OF USE ATTACH THE FOLLOWING: • Property tax map, showing location of use referenced to established property boundaries. • Photograph of the front of site.	STATE LAND USE DISTRICT	COUP REQUIRED? Check the appropriate box, and write in the date approved, if applicable.	COUNTY EXEMPT CODE	SNAP REQUIRED? Check the appropriate box, and write in the date approved, if applicable.	UNITS OR MET ACREAGE	OPQUANT or OPDACHRE	QUANTITY OF USE (GPD)	JUSTIFICATION FOR QUANTITY OF WATER REQUESTED (If applicable, attach additional sheets showing how the quantity was calculated.) For irrigation uses, fill in Table 2.
USES THAT REQUIRE POTABLE (DRINKING) WATER									
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				Please refer to Appendix B and cover letter
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
						TOTAL POTABLE USE	K		GPD
USES THAT DO NOT REQUIRE POTABLE WATER									
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
	_____		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No		<input type="checkbox"/> Yes, date approved <input type="checkbox"/> Yes, not acquired <input type="checkbox"/> No				
						TOTAL NON-POTABLE USE	L		GPD
TOTAL QUANTITY OF WATER REQUESTED (sum of total potable use and total non-potable use) =								M	GPD

Please explain if there are any limitations (e.g., legal, contractual) on the proposed water use(s) described in Table 1 Ref. HRS § 174C-51(5)

The County of Maui Department of Water Supply (MDWS) owns the 4 wells Honokahua B, Napili A, B & C. Executive Orders from the State of Hawaii to MDWS were issued in 2004 for the parcel where Napili A well is situated, Tax Map Key 4-3-001:093 and for the parcel where Napili B well is situated, Tax Map Key 4-3-001:094. The MDWS is fee owner to the parcels where Napili C and Honokahua B are situated. There are no known legal or contractual limitations to the existing water use from this well field.

USE INFORMATION (continued)

12. TABLE 2: AGRICULTURE/IRRIGATION INFORMATION

List all crops that will be grown, including landscape and golf course irrigation uses. Copy Table 2 and attach additional sheets to complete your list, if necessary.

A TWR FOR LOCATION OF USE ATTACH THE FOLLOWING: • Property tax map with an outline around the area of each irrigation use listed in this table. • Photograph of the area of each use.				B CROP	C TOTAL ACREAGE	D NET IRRIGATED ACREAGE	E BEGIN GROWTH PERIOD (month)	F END GROWTH PERIOD (month)	G IRRIGATION SYSTEM (refer to instructions)	H IRRIGATION PRACTICE (refer to instructions)	I COMMENTS (Continue comments below, if more space is needed)
4	3	004	017	unknown	2.0	1.5	unknown	unknown	unknown	unknown	
4	3	004	020	horse pasture, citrus, timber, vegetables	2.52	unknown	unknown	unknown	unknown	unknown	
4	3	004	022	flowers, citrus, coconut	4.5	4.5	unknown	unknown	unknown	unknown	
4	3	010	017	pumpkin, pomelo, bittermelon, dragon	2.0	1	unknown	unknown	unknown	unknown	
4	3	010	018	vegetables	2.0	1.502	unknown	unknown	unknown	unknown	
4	3	010	019	landscape plants	2.0	unknown	unknown	unknown	unknown	unknown	
4	3	010	022	coffee, fruit trees, coco palms	2.07	unknown	unknown	unknown	unknown	unknown	
4	3	010	027	soad, starfruit, soursoy, avocado	2.019	1.29	unknown	unknown	unknown	unknown	
4	3	009	052	landscaping	0.39	0.39			unknown	unknown	
4	3								unknown	unknown	(The last row here autofills "unknown" and can't be deleted)

Comments (continued from Column I): Please clearly indicate the crop (i.e., the row in table) these comments relate to.

The MDWS does not provide non-potable water for commercial agricultural, landscape or golf course irrigation purposes. The services listed in Table 2 include the service accounts with an agricultural irrigation component for which MDWS has approved agricultural water rate. For billing purposes, these services are categorized as Single Family and include water for domestic household uses as well. MDWS does not solicit information on growth periods, irrigation systems and irrigation practices for customer accounts. The last service listed in Table 2 is the only service account on this sub-system that is dedicated to irrigation only. However, all water services, such as commercial, hotel, multi-family and government uses may include an irrigation component.

OTHER PERTINENT INFORMATION

13. TABLE 3: ALTERNATIVES ANALYSIS

	A. Analysis of potable alternatives Attach additional sheets if necessary.	B. Analysis of non-potable alternatives Attach additional sheets if necessary.
Municipal sources	This application is for a municipal source. The closest alternative private municipal system, operated by the Hawaii Water Service Co (HWSOC), services Kapaemahu Forest area. This MDWS service accounts are in close proximity to the HWSOC and could potentially be served by this system if additional system capacity was available. The privately owned municipal water system in the Kapaemahu area, operated by HWSOC, is within 100 ft of the northernmost terminus of the MDWS system. Four (4) existing service accounts could potentially be served by this private system, if capacity was available.	MDWS does not offer non-potable municipal supply or dual distribution mains for the service area. At the northernmost terminus of the MDWS system, the private municipal Kapaemahu non-potable water main is located approximately 100 ft north. Non-potable irrigation needs for four (4) existing multi-family service accounts could potentially be serviced by the Kapaemahu non-potable distribution system, if capacity was available.
Wastewater reuse	DWS is currently exploring the feasibility of direct potable reuse in collaboration with the County of Maui Department of Environmental Management (DEM). DWS and DEM operate independently. DEM does not currently treat wastewater to potable standards at its Lahaina Wastewater Reclamation Facility (LWRRF). Consistent ideas are being shared between the departments to determine if an interconnection between the DWS Maunaloa Water Treatment Facility (MWTF) and the LWRRF can produce water to potable standards using direct potable reuse (DPR). The concept is still being discussed to determine a cost and feasibility.	RI water is available from the LWRRF and serves the area from Kapaemahu to Kapaemahu. The distribution system primarily benefits the resort area serviced by the HWSOC. Current RI service is provided to the following MDWS customers: Hyatt Regency Maui, Hale Koa Resort, Hyatt Regency Maui, and the Kapaemahu Golf Course. Expansion plans of the RI distribution system include the Kapaemahu Golf Course and hotels on the HWSOC system and 0.5 mgd for DPR. Potential development. As housing development adds sewer service and additional RI water becomes available, MDWS is committed to collaborate with DEM to offset additional potable water use for non-potable MDWS resort and commercial customer uses to the maximum extent possible.
Ditch system	Surface water conveyed via Honokohau Ditch for potable treatment at the MWTF is an integral part of the MDWS Napili and Lahaina water system. Sustainable pumpage from the MDWS well field in Honokohau is not sufficient to meet existing use on the MDWS system. MDWS will seek 2.5 mgd additional surface water from the Honokohau Stream and ditch for existing and new use to ensure reliable capacity.	Non-potable water from Honokohau ditch is diverted by MLP/HWSOC for resort and golf course irrigation needs. MDWS does not provide potable water to golf courses. To offset potable water use for non-potable irrigation purposes at the commercial properties on the MDWS system at the closest points to the Honokohau ditch would require approximately 1.9 miles of transmission in addition to a dual distribution and metering system. Expansion of RI distribution system within 500 feet of MDWS commercial properties is a more feasible alternative as additional RI water becomes available.
Desalinization	MDWS has commissioned a consultant in fiscal year 2023 to deliver a desalination feasibility study as potential potable water supply for West Maui. The study will address energy needs and residuals management and is anticipated to be completed by the end of fiscal year 2024. Desalination, if feasible, will not be available in the near future to meet current demand.	A feasibility study will assess brackish water and seawater desalination and potential solutions to meet the extensive energy needs and residuals management. Non-potable uses of desalinated water will be considered. If feasible, desalinated water will not be available in the near future to meet non-potable water needs in the service area.
Surface water	Surface water diverted from Honokohau stream and conveyed via Honokohau Ditch for potable treatment at the MWTF is an integral part of the MDWS Napili and Lahaina water system. To MDWS will seek 2.5 mgd additional surface water from the Honokohau Stream and ditch for existing and new use to ensure reliable capacity. MDWS does not anticipate that additional stream water beyond the 2.5 mgd would be available after DPS is met during low flow conditions.	Water diverted from Honokohau Stream by MLP/HWSOC is utilized for non-potable resort and golf course irrigation needs. MDWS does not provide potable water to golf courses. To offset potable water use for non-potable irrigation purposes at the commercial properties on the MDWS system at the closest points to the Honokohau ditch would require approximately 1.9 miles of transmission in addition to a dual distribution and metering system. Expansion of RI distribution system within 500 feet of MDWS commercial properties is a more feasible alternative as additional RI water becomes available.
Other	Downstream water conservation measures for the system served by the well field in Honokohau include: water audits and outreach programs to educate landscaping with drought tolerant and native plants to reduce irrigation needs; distribution of free low flow fixtures and water-use flow signs; public outreach events to educate the public about water conservation. Supply-side measures include aggressive detection and repair program, installation of smart meters throughout the distribution system.	MDWS initiated a watershed program to incentivize runoff capture and runoff from roofs. Free rain barrels are distributed to MDWS customers on this system. Maui County does not maintain a watershed restoration program to provide non-potable supply for agriculture or irrigation. The Maui Watershed Use and Development plan includes a strategy to explore storm water from Kahuna Stream for conveyance to agricultural water users. This strategy would potentially offset water use within the MDWS Lahaina sub-system in the Kahuna stream vicinity, but is currently not available.

14. PUBLIC INTEREST

§174C-2(C), HRS states: *The state water code shall be liberally interpreted to [a] obtain maximum beneficial use of the waters of the State for purposes such as domestic uses, aquaculture uses, irrigation and other agricultural uses, power development, and commercial and industrial uses. However, [b] adequate provision shall be made for the protection of traditional and customary Hawaiian rights, the protection and procreation of fish and wildlife, the maintenance of proper ecological balance and scenic beauty, and the preservation and enhancement of waters of the State for municipal uses, public recreation, public water supply, agriculture, and navigation. Such objectives are declared to be in the public interest.*

Explain how the use in your application is consistent with items [a] and [b] above.

MDWS operates the Napili sub-system and parts of the Lahaina sub-system meet demand for essential needs while maintaining the integrity, water quality and chloride levels of individual wells. MDWS maintains aging infrastructure and recognizes that water amounts needed for maximum beneficial use must be calculated with additional water requirements for safe water quality treatment, non-revenue transport loss (i.e. MDWS Water Audit), and theft. Under our mission to "provide clean water efficiently" our operational needs are objective and consistent with the public interest. Municipal uses and public water supply are declared to be in the public interest. Residential use for the primary service area for this well field represents 57.5% of total use. Residential services throughout the entire

15. KA PA'AKAI ANALYSIS:

- a. Please provide the identity and scope of cultural, historical, and natural resources in which traditional and customary Native Hawaiian rights are exercised in this area.

Please refer to Appendix C

- b. Identify the extent to which those resources, including traditional and customary Native Hawaiian rights, will be affected or impaired by the proposed action.

Please refer to Appendix C

- c. What feasible action, if any, could be taken to reasonably protect Native Hawaiian rights?

Please refer to Appendix C

OTHER PERTINENT INFORMATION

13. TABLE 3: ALTERNATIVES ANALYSIS

	A. Analysis of potable alternatives Attach additional sheets if necessary.	B. Analysis of non-potable alternatives Attach additional sheets if necessary.
Municipal sources	This application is for a municipal source. The closest alternative private municipal system, operated by the Hawaii Water Service Co (HWSC), services Kaanapali resort area. Two MDWS service accounts are in close proximity to the HWSC and could potentially be served by this system if adequate system capacity was available. The privately owned municipal water system in the Kapalua area, operated by HWSC, is within 100 ft of the northernmost terminus of the MDWS system. Four (4) existing service accounts could potentially be served by this private system, if capacity was available.	MDWS does not offer non-potable municipal supply or dual distribution mains for the service area. At the northernmost terminus of the MDWS system, the private municipal Kapalua non-potable water main is located approximately 100 ft north. Non-potable irrigation needs for four (4) existing multi-family service accounts could potentially be serviced by the Kapalua non-potable distribution system, if capacity was available.
Wastewater reuse	DWS is currently exploring the feasibility of direct potable reuse in cooperation with the County of Maui Department of Environmental Management (DEM). DWS and DEM operate independently. DEM does not currently treat wastewater to potable standards at its Lahaina Waste Water Reclamation Facility (LWWRF). Conceptual ideas are being shared between the departments to determine if an interconnection between the DWS Mahinahina Water Treatment Facility (MWTF) and the LWWRF can produce water to potable standards using direct potable reuse (DPR). The concept is still being discussed to determine a cost and feasibility.	R1 water is available from the LWWRF and serves the area from Kapalua to Kaanapali. The distribution system primarily benefits the resort area serviced by the HWSC. Current R1 service is provided to the following MDWS customers: Hyatt Regency, Honua Kai Resort, Hyatt Timeshare Resort, and the Kaanapali Golf Resort. Expansion plans of the R1 distribution system include the Kaanapali Golf Course and hotels on the HWSC system and 0.5 mgd for DHHL Honokowai development. As housing development adds sewer service and additional R1 water becomes available, MDWS is committed to collaborate with DEM to offset additional potable water use for non-potable MDWS resort and commercial customer uses to the maximum extent possible.
Ditch system	Surface water conveyed via Honokohau Ditch for potable treatment at the MWTF is an integral part of the MDWS Napili and Lahaina water system. Sustainable pumpage from the MDWS well field in Honolua aquifer is not sufficient to meet existing use on the MDWS system. MDWS will seek 2.5 mgd allocation surface water from the Honokohau Stream and ditch for existing and new use to ensure reliable capacity.	Non-potable water from Honokohau ditch is diverted by MLP/HWSC for resort and golf course irrigation needs. MDWS does not provide potable water to golf courses. To offset potable water use for non-potable irrigation purposes at the commercial properties on the MDWS system at the closest points to the Honokohau ditch would require approximately 1.9 miles of transmission in addition to a dual distribution and metering system. Expansion of R1 distribution system within 500 feet of MDWS commercial properties is a more feasible alternative as additional R1 water becomes available.
Desalination	MDWS has commissioned a consultant in fiscal year 2023 to deliver a desalination feasibility study as potential potable water supply for West Maui. The study will address energy needs and residuals management and is anticipated to be completed by the end of fiscal year 2024. Desalination, if feasible, will not be available in the near future to meet current demand.	A feasibility study will assess brackish water and seawater desalination and potential solutions to meet the extensive energy needs and residuals management. Non-potable uses of desalinated water will be considered. If feasible, desalinated water will not be available in the near future to meet non-potable water needs in the service area.
Surface water	Surface water diverted from Honokohau stream and conveyed via Honokohau Ditch for potable treatment at the MWTF is an integral part of the MDWS Napili and Lahaina water system. To MDWS will seek 2.5 mgd allocation surface water from the Honokohau Stream and ditch for existing and new use to ensure reliable capacity. MDWS does not anticipate that additional stream water beyond the 2.5 mgd would be available after IFS is met during low flow conditions.	Water diverted from Honokohau Stream by MLP/HWSC is utilized for non-potable resort and golf course irrigation needs. MDWS does not provide potable water to golf courses. To offset potable water use for non-potable irrigation purposes at the commercial properties on the MDWS system at the closest points to the Honokohau ditch would require approximately 1.9 miles of transmission in addition to a dual distribution and metering system. Expansion of R1 distribution system within 500 feet of MDWS commercial properties is a more feasible alternative as additional R1 water becomes available.
Other	Demand side conservation measures for the system served by the well field in Honolua aquifer include incentives and outreach programs to substitute landscaping with drought tolerant and native plants to reduce irrigation needs; distribution of free low flow fixtures and ultra-low flow toilets; public outreach events to educate the public about water conservation. Supply side measures include active leak detection and repair program, installation of smart meters throughout the distribution system.	MDWS initiated a rainbarrel program to incentivize rainfall capture and runoff from roofs. Free rain barrels are distributed to MDWS customers on this system. Maui County does not maintain a stormwater reclamation program to provide non-potable supply for agriculture or irrigation. The Maui Island Water Use and Development plan includes a strategy to explore storm water from Kahoma Stream for conveyance to agricultural water users. This strategy would potentially offset water use within the MDWS Lahaina subsystem in the Kahoma stream vicinity, but is currently not available.

OTHER PERTINENT INFORMATION

14. PUBLIC INTEREST

MDWS operates the Napili sub-system and parts of the Lahaina sub-system meet demand for essential needs while maintaining the integrity, water quality and chlorine levels of individual wells. MDWS maintains aging infrastructure and recognizes that water amounts needed for maximum beneficial use must be calculated with additional water requirements for safe water quality treatment, non-revenue transport loss (i.e. MDWS Water Audit), and theft. Under our mission to "provide clean water efficiently" our operational needs are objective and consistent with the public interest. Municipal uses and public water supply are declared to be in the public interest. Residential use is the primary service area for this well field represents 57.5% of total use. Residential services throughout the entire MDWS Napili and Lahaina system represents 87% of total number of water services. Reliable public water supply to serve homes, businesses and fire flow throughout the community is a reasonable and beneficial use and essential to maintain a functional economy. Beneficial use requires reduction of waste and a water conservation mindset. The MDWS conservation program has resulted in substantial water savings over the last 20 years. Overall, the MDWS number of services have increased 35% while the water use per service has decreased 22.3%.

OTHER PERTINENT INFORMATION

16. INTERFERENCE WITH THE RIGHTS OF THE DEPARTMENT OF HAWAIIAN HOME LANDS

The Department of Hawaiian Homelands (DHHL) properties within the Leialii project area is currently served by the MDWS Lahaina subsystem. The Honolua well field and the Napili subsystem can provide limited backup supply to the Lahaina subsystem. There are currently no DHHL projects directly withdrawing groundwater from the Honolua aquifer. However, DHHL holds a 2 million gallon surface water reservation from Honokohau Stream and a groundwater reservation from Honokowai aquifer. For new water services, MDWS prioritizes DHHL needs through an exemption from the water availability rule as set forth in Maui County Code chapter 14.12. Whenever feasible, the MDWS makes concerted efforts to help DHHL develop their projects. MDWS has allotted 200,000 GPD for the future expansion of the existing Villages of Leialii, Phase 1A, between the Lahaina and Napili subsystems. Ongoing discussions continue between DHHL and MDWS on a collaborate effort in which DHHL may provide a well in Honokowai aquifer for MDWS to operate on DHHL lands in exchange for DWS providing delivery through its mixing tanks and water distribution infrastructure. Please refer to Appendix D for referenced DHHL plans and documents.

OTHER PERTINENT INFORMATION

17. INTERFERENCE WITH ANY EXISTING LEGAL USES

The closest active well to the well field is Kapalua well 1 (Well NO 5938-002) at 1,895 feet distance. MDWS purchases water delivery from the Kapalua wells 1 & 2, owned by MLP, for potable service to the Honokohau Valley. There is no known interference between the wells.

OTHER PERTINENT INFORMATION

18. EFFICIENCY

The DWS is currently in contract with a consultant to improve and make recommendations to our current DWS water conservation approach, which currently includes a number of supply-side and demand-side conservation strategies. These strategies are attached and provides savings calculations from various program that are currently underway at the DWS, including programs that may work in the future. These conservation programs are considered based on the special water use contexts and behaviors of Maui residents and businesses, and includes a public outreach component which educates and provides public events to give away free high-efficiency fixtures, toilets, rain barrels and irrigation system components to help home owners save water and money.

OTHER PERTINENT INFORMATION

18.1 EFFICIENCY PROGRAM

DWS Conservation Planning

The County of Maui Department of Water Supply (DWS) conducts a robust water conservation plan, which includes ongoing and planned projects that are categorized as follows:

1. Conservation Programs (CP)

- Toilet Replacement Program (dual-flush, ultra-high efficiency, .8/1.28 gpf) – 100% free
- Rain Barrel Program (1/yr 50 gal) – 100% free
- High efficiency fixture giveaway – 100% free
- Outdoor Irrigation 8-Hyve "smart" hose timer giveaway – 100% free

These programs and giveaways are tracked for estimated water savings and have been developed with qualifying rules and guidelines for both our customers and county citizens.

a. Watershed Protection Grants Program

This grants program has been funding highly specialized organizations who help protect and preserve the County of Maui watersheds from invasive plant and animal species that damages and endangers native Hawaiian ecosystems that critical for recharging water sources and maintaining high water quality.

a. Public outreach

Every year, the DWS runs water conservation advertisements in various media outlets, at the airport, on public transit, and participates at various public events with a booth to promote our programs, provide informational materials, free program giveaways, and speak directly to the public and answer questions about the DWS water distribution system that people are curious about. We provide information and support for both young and old to learn and participate in water conservation and to help protect our water sources.

The DWS has just concluded its 12th Annual Water Conservation Poster Contest and its 6th Annual Source Water Protection Video Contest. Over the years, these very successful contests have attracted thousands of grade school and high school participants, and allowed representatives from many different organizations to judge their creative entries. Winners and their schools have received various prizes, which aim to encourage on-going participation and curiosity about what and why water conservation is so important to their future.

Information about the DWS water conservation efforts can also be found here:

<https://waterresources.mauicounty.gov/133/Water-Conservation>

1. Conservation Capital Improvement Projects (CCIP)

As water consumption rises due to urban growth and development, water reuse is on the rise. The DWS is at the forefront of finding ways to apply this practice with maturing technology in the public space, to help pave the way its expanded use in Maui's commercial and residential space.

a. Greywater reuse systems

The State of Hawaii's first mechanical greywater reuse system installed at Lanipoko Beach Park in Lahaina, Maui. Provides up to 3K-12K per day of reusable water for landscape irrigation, depending on patronage. 3K at 1.1MG savings per year with automatic variable production, and scalable to recycled (R-1) quality if permitted by DOW.

Another ongoing greywater project is at the Kanaha Beach Park in Kahului, Maui. This system provides up to 4-6 times the amount of savings estimated at the recently installed Lanipoko Beach Park Greywater Reuse System. It is currently in Phase 1, Design and Permitting, with Phase 2, Procurement and Construction, scheduled to begin in 2024.

a. Xeriscape outdoor landscaping demonstration project

Xeriscaping promotes native Hawaiian plant species instead of high water-intensity ornamental plants to save water, especially in drier, drought-stricken areas of Maui. The DWS is preparing to coordinate with the Maui Nui Botanical Gardens in Kahului, Maui, to build a xeriscape demonstration project, which provides the public an opportunity to see and learn about xeriscaping in the different microclimates of Maui.

1. Conservation Strategies (CS)

The DWS continues to investigate other feasible options to save water. These potential options include physical improvements and policy changes that are being explored:

- A Bill for a Water Conservation Ordinance (working draft)
- Xeriscape Improvements (physical incentives via rebate)
- Ordinances New Build (with indoor & outdoor LEED)
- More Efficient Agricultural Irrigation Management
- Actionable Drought & Climate Change Incentives
- Public Outreach to HOAs on Xeriscaping (technical support)
- LEED Water Efficiency Incentive Program (Materials for Residential and Commercial/Resorts)
- Grey Water Residential Program
- SMART Irrigation Controller (zoned irrigation with sprinklers)
- Neighborhood Greywater System Pilot (Centralized Reuse Treatment System)
- Department of Parks and Recreation Irrigation Efficiency Program (30% reduction)
- Commercial Greywater Reuse Pilot (Hotels and Businesses Irrigation)
- Condominium Complex Greywater System Pilot (Bathrooms/showers/laundry)
- Large Catchment System for Upcountry and Hana Residents (Irrigation and garden)
- Hot Water Recirculators Program
- Residential Laundry to Landscape
- New Build Reuse Systems
- Pool Cover Program
- Hotel Efficient HVAC Program (Laundry to cooling towers)
- New Home Buyer Dual Piping (greywater)
- Agriculture Water Reuse Pilot
- Commercial Laundromat Water Reuse
- Agriculture: Urban and peri-urban horticulture, micro-gardens, hydroponics
- Water audit on all County facilities
- County Properties High Efficiency Fixtures Retrofitting (i.e. Schools and Office)

1. Supply-Side Intervention Strategies (SSIS)

There are several ways that the DWS continues to find ways to conserve water and make its operations more efficient:

a. Water auditing

Under Act 169, SLH 2016, the DWS has completed all mandatory yearly utility water audits that were validated by the Commission of Water Resources Management (CWRM).

a. Leak Detection Program

The DWS has an evolving leak detection program that aims to reduce non-revenue water loss and to help target priority water distribution infrastructure maintenance improvements.

a. Meter Replacement Program

For the past several years, aging service meters have been replaced throughout the DWS service subsystems. This program is also helping DWS and its customers better track usage to reduce water losses faster and more efficiently.

a. Re-using Production Water

The DWS is improving its ability to reuse production water by sending it back to its headworks.

a. Hydraulic Model

In 2023, the DWS will be contracting with a consultant to develop its hydraulic model to assist in estimating and modeling water levels, pressures, flows and velocities in its water distribution system.

a. PRV replacement and pressure monitoring

The DWS continues to improve its awareness to properly adjust PRVs and how to better monitor them to find optimal pressures to reduce water loss.

a. District submetering and master metering

The DWS is exploring ways to better track and analyze water consumption throughout its water distribution systems through district and master metering options.

OTHER PERTINENT INFORMATION

16. INTERFERENCE WITH THE RIGHTS OF THE DEPARTMENT OF HAWAIIAN HOME LANDS

Explain how the use of water will not interfere with the rights of the Department of Hawaiian Home Lands, as provided in section 221 of the Hawaiian Homes Commission Act.

The Department of Hawaiian Homelands (DHHL) properties within the Leialii project area is currently served by the MDWS Lahaina subsystem. The Honouliuli well field and the Napili subsystem can provide limited backup supply to the Lahaina subsystem. There are currently no DHHL projects directly withdrawing groundwater from the Honouliuli well field.

17. INTERFERENCE WITH ANY EXISTING LEGAL USES

Explain how the use of water will not interfere with any other existing legal use(s) of water.

The closest active well to the well field is Kapapala well 1 (Well NO 5938-002) at 1,895 feet distance. MDWS purchases water delivery from the Kapapala wells 1 & 2, owned by MLP, for potable service to the Honokohau Valley. There is no known interference between the wells.

18. EFFICIENCY

☒ If a water conservation plan was prepared, please attach to this application.

☐ If no water conservation plan was prepared, please explain how your use of water will be as efficient as possible.

19. PUBLIC WATER SYSTEM INFORMATION

Check the appropriate box or boxes.

☐ PUC-Regulated Private System / ☐ Non-PUC-Regulated Private System / ☐ Not a Public Water System

☒ Intended dedication to Honolulu Board of Water Supply or to County of Maui, Department of Water Supply.

☒ If a Level-1 validated AWWA water loss audit was completed, please attach.

20. CHAPTER 343

This project proposes:

- ☒ Use of state or county lands, or use of state or county funds
- ☐ Use within a state conservation district
- ☐ Use within a shoreline setback area
- ☐ Use within a national or Hawaii registered historic site
- ☐ Use within the Waikiki Special District
- ☐ The construction, expansion or modification of helicopter facility

- ☐ A wastewater treatment unit
- ☐ Waste-to-energy facility
- ☐ Landfill
- ☐ Oil refinery
- ☐ Power-generating facility
- ☐ None of the above 11 items

☐ If none of the above 11 items are applicable, no 343 compliance is necessary.

☐ An Environmental Assessment was completed, and

☐ An Environmental Impact Statement was required and has been accepted (attach letter of acceptance). Publication date in The Environmental Notice:

☐ A Finding of No Significant Impact has been determined (attach letter). Publication date in The Environmental Notice:

21. TABLE 4: 12-MONTH AVERAGE CALCULATION AS OF THE DATE OF DESIGNATION. FOR EXISTING USES ONLY.

MM/YY	AVERAGE DAILY PUMPAGE FOR THE MONTH (GALLONS PER DAY)	Check one per row			
		Metered	Estimated	Active but unknown	Inactive
Please refer to Appendix G		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSTRUCTIONS FOR FILLING OUT APPLICATION FOR GROUND WATER USE PERMIT

This application form is to be used for both existing uses in newly designated ground water management areas and proposed new uses, including modifications of existing ground water use permits.

Most questions can be addressed by visiting our website at <http://www.hawaii.gov/dnr/cwrn> or by contacting the Ground Water Regulation Branch at 587-0225 or by e-mail at dnr.cwrn@hawaii.gov.

The current application form link is here: <https://files.hawaii.gov/dnr/cwrn/forms/GWUPA.pdf>

REQUIREMENTS FOR A COMPLETE APPLICATION

- Fill in the most recent application form. An updated fillable PDF can be found at <https://files.hawaii.gov/dnr/cwrn/forms/GWUPA.pdf>
- We require a digital copy to be circulated for review. If you are unable to submit a digital copy, print in ink or type the information on the application form but be aware that there will be delays in processing your application.
- E-mail a PDF of the application to dnr.cwrn@hawaii.gov. A check for the non-refundable filing fee of \$25 payable to Department of Land and Natural Resources can be dropped off at 1151 Punchbowl Street, Room 227, Honolulu 96813, or mailed to P.O. Box 621, Honolulu, HI 96809. Please attach a printed copy to this filing fee check. Note that government agencies as applicants are not required to pay this filing fee.
- The applicant is responsible for paying the cost of publishing any required public notices associated with this application, and unlike the application fee, government agencies are *not* exempt from this. The cost for public notices is approximately \$1000.00. Commission staff will pay this fee up front and will provide instructions later regarding your reimbursement of this cost. Failure to reimburse the Commission will result in non-action on your water use permit application.
- Attach photos showing the well source(s), meter(s) (if applicable), and end use area(s).
- The water user and the landowner of the source location ("source landowner") must sign the application form.

INSTRUCTIONS FOR COMPLETING THE APPLICATION FORM

PAGE 1

APPLICANT INFORMATION

In accordance with the Hawaii Water Code, both the applicant and the person who owns the property where the water source is located are required to apply for a water use permit. §174C-51(1)(B), HRS, states, *In the event a lessee, licensee, developer, or any other person with a terminable interest or estate in the land, which is the water source of the permitted water, applies for a water permit, the landowner shall also be stated as a joint applicant for the water permit.*

- 1. APPLICANT INFORMATION** Fill in the applicant's contact information. This should be the person who will be responsible for all conditions of the water use permit. If this is for multiple sources and it doesn't fit on the table, please attach a separate sheet listing these sources.
- 2. SOURCE LANDOWNER INFORMATION** Fill in the information for the landowner of the property where the proposed ground water source (e.g., well, modified spring, tunnel, shaft, etc.) is located. If this is for multiple sources and different landowners, please attach a separate sheet listing these landowners and their acknowledgement regarding this application.

SOURCE INFORMATION

- 3. ISLAND** Indicate the island on which the source is located.
- 4. AQUIFER SYSTEM AREA** The name of the aquifer system area where the source is located. <https://dnr.hawaii.gov/cwrn/info/maps/>
- 4A. SUSTAINABLE YIELD** The sustainable yield for the aquifer system area.
- 5. SOURCE INFORMATION**
 - WELL NUMBER** If the source already has a state-assigned well number, enter the state well number here.
 - WELL NAME** If the source has a name, enter the name here. Otherwise, assign a short name that will differentiate it from other wells. This should be the same as the name listed on the accompanying well construction / pump installation permit application, where applicable.
 - SOURCE TMK** Fill in the current Tax Map Key number of the parcel on which the source resides.
 - FLOWMETER INFORMATION** You must have a flowmeter to accurately indicate that your water usage is in compliance with your proposed approved allocation. Check either "Yes" or "No." If you answer "Yes," write in the date the flowmeter was installed month/day/year in the space provided. The definition of a working flowmeter is a water meter with a totalizer that gives the total quantity of water used from a source.

WATER USE INFORMATION

- 6. TOTAL QUANTITY OF WATER REQUESTED** Enter the amount of water requested as gallons per day (GPD) averaged over one year from Box M of Table 1.
- 7. USE(S)** Check all the boxes that apply for the use. Refer to the instructions for Table 1: Land Use Consistency/Efficiency of Use, Item 1: Purpose/Water Use Category below to determine which water use categories to use.
- 8. LOCATION OF WATER USE(S)** Show the location of the use on a map. This is essential for agricultural uses and will be attached to your water use permit, if approved.

APPLICANT SIGNATURES REQUIRED

- 9. APPLICANT** The applicant must sign and date the application.
- 10. SOURCE LANDOWNER** The source landowner must also sign and date the application.

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USE INFORMATION

Note that you will need to fill out each section for potable and non-potable needs separately. This means that even though your source is defined as potable, you may have end use needs that don't require potable water, such as landscape irrigation. This will help the Commission determine whether or not non-potable alternatives are available for your non-potable needs.

- 11. Table 1: USE INFORMATION** Provide information on all of the uses you are applying for or seeking to modify to. In the space provided below the table or on a separate sheet, explain whether there are any limitations [e.g., a contract or other legal agreement(s)] on your water use(s), as required by §174C-51(5), HRS.

- A. PURPOSE / WATER USE CATEGORY** For each purpose of use, choose one of the categories listed in the table below and enter the appropriate code in the space provided (e.g., AGRAQ, IRRGC, etc.)

AGRICULTURE AGRAQ Aquatic Plants & Animals AGRCR Crops & Processing AGRLI Livestock & Processing, and Pasture AGRON Ornamental & Nursery Plants AGROTH Other	DOMESTIC DOM Single & Multi Low-Rise & High-Rise Household DOMN Domestic (Non-residential) DOMNCB Commercial Businesses DOMNRI Religious Institutions DOMNHOS Hospitals DOMNHOT Hotels DOMNOS Office buildings DOMNOTH Domestic Non-Residential - Other DOMNSC Schools
IRRIGATION IRRGC Golf Course IRRHM Habitat Maintenance IRRHOT Hotel IRRLA Landscape/Water Features IRROTH Other IRRPA Parks IRRSC Schools	INDUSTRIAL INDEL Geothermal, Thermoelectric Cooling, Power Development INDFP Fire Protection INDMI Mining, Dust Control INDOTH Industrial - Other
MILITARY MIL Military	MUNICIPAL MUNCO County MUNPR Privately-owned but defined as public water system by MUNST DOH State

- B. USE TMK** Enter the tax map key (TMK) number for the parcel of land over which the use is applied. There should only be one parcel for each line. Also, attach:
- C. STATE LAND USE DISTRICT** Write in the name of the current land use district. To find the Land Use District, contact the Land Use Commission at (808) 587-3822.
- D. CDUP REQUIRED?** Check the appropriate box. If a Conservation District Use Permit (CDUP) is required and you have a CDUP applicable to this project, check "Yes" and write in the date approved in the space provided (month/day/year). If your parcel is in a conservation district, as indicated in Column C of this table, contact the Office of Conservation and Coastal Lands at (808) 587-0328 to find out if a CDUP is required.
- E. COUNTY ZONING CODE** To find out the County Zoning Code for Oahu, contact the City and County of Honolulu at 768-8041. For Maui County, contact at 270-7253.
- F. SMAP REQUIRED?** Check the appropriate box. If a Special Management Area Permit (SMAP) is required, and you have an SMAP applicable to this project, check "Yes" and write in the date approved in the space provided (month/day/year). To find out if your parcel is in a Special Management Area and requires an SMAP, for Oahu contact the City and County of Honolulu Department of Planning and Permitting or for Maui County contact the Planning Department.
- G. UNITS or NET ACREAGE** This is the total number of units or the net number of acres as a basis for calculating your requested allocation. "Unit" can mean a dwelling unit, number of people, acres, number of animals, etc. Some examples of units or acreages to enter in this column would be 400 dwelling units, 500 people, or 3.74 acres.
- H. GPD/UNIT or GPD/ACRE** (GPD = gallons per day) Enter the gallons per day per unit (GPD/unit) or gallons per day per acre (GPD/acre) for each water use category listed in Column A.
- I. QUANTITY OF USE** Enter the quantity of water use in gallons per day (GPD). Justification (see Column J) for the quantity requested may depend on the information provided in columns G and H of this table.
- J. JUSTIFICATION FOR QUANTITY OF WATER REQUESTED** Explain how you are justifying the quantity of water requested for each use, in Column I of this table. Attach additional sheets, if necessary, showing how the proposed quantity was calculated. For all proposed irrigation uses, you are required to also complete Item 12 (Table 2) of the application.
- K. TOTAL POTABLE USE NEEDS** Add the quantities listed in the Column I for proposed potable water use. Enter the total quantity in gallons per day (GPD) in Box K.
- L. TOTAL NON-POTABLE USE NEEDS** Add the quantities listed in Column I for proposed uses that do not require potable water. Enter the total quantity of proposed non-potable water use in gallons per day (GPD) in Box L.
- M. TOTAL QUANTITY OF WATER REQUESTED** Add the totals in Box K and Box L, and enter the sum in Box M. The quantity in Box M should be the same as the amount entered under Item 6 on the page 1 of the application.

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12. TABLE 2: AGRICULTURE/IRRIGATION INFORMATION

On Table 2, provide the information requested for all of the plant types or other needs such as aquaculture, etc. Enter only one plant and one parcel number (TMK) per line. For multiple crops, list each one as a separate line item. All uses you are applying for must be listed. Attach additional copies of Table 2, if necessary.

- A. TMK FOR LOCATION OF USE** Enter the parcel number where the crop is/will be grown. Also, attach a map with an outline around the area(s) of use(s) and a photograph of each area of proposed use.
- B. CROP** Enter the crop type
- C. TOTAL ACREAGE** Enter the total acreage of the parcel listed
- D. NET IRRIGATED ACREAGE** Enter the acreage that the specific crop will be grown.
- E. BEGIN GROWTH PERIOD (MONTH)** This is the month of the start of the growth cycle.
- F. END GROWTH PERIOD (MONTH)** This is the month of the end of the growth cycle.
- G. IRRIGATION SYSTEM** Enter one of the following:
 TRICKLE, DRIP
 TRICKLE, SPRAY
 MULTIPLE SPRINKLERS

SPRINKLER, CONTAINER NURSERY

SPRINKLER, LARGE GUNS

SEEPAGE, SUBIRRIGATION

CROWN FLOOD

FLOOD (TARO)

OTHER – Please describe in the space provided for comments (Column I and/or below the table).

H. IRRIGATION PRACTICE Enter one of the following:

IRRIGATE TO FIELD CAPACITY

APPLY A FIXED DEPTH PER IRRIGATION

DEFICIT IRRIGATION

OTHER – Please describe in the space provided for comments (Column I and/or below the table).

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13. TABLE 3: ALTERNATIVES ANALYSIS

You should address every alternative and explain why each alternative is or is not available for your potable and non-potable water needs. Note that simple "not available" answers are not acceptable. If the alternative is not feasible, please explain.

Municipal sources Please contact your County's Department of Water Supply to identify if a municipal source is available to supply water to your area of need.

Wastewater reuse Please contact your County's Wastewater Division to identify if reuse water is available to supply water to your area of need.

Ditch system Please identify whether a ditch system is available to supply water to your area of need. You can contact the Department of Agriculture, but you should also identify private ditch systems and the availability of that source as well.

Desalinization Please explain why drilling a well deeper or finding an alternative source of saline water and desalinizing is not a feasible alternative.

Surface water is defined in §174C-3, HRS as: *both contained surface water that is, water upon the surface of the earth in bounds created naturally or artificially including, but not limited to, streams, other watercourses, lakes, reservoirs, and coastal waters subject to state jurisdiction and diffused surface water that is, water occurring upon the surface of the ground other than in contained waterbodies. Water from natural springs is surface water when it exits from the spring onto the earth's surface.*

Other Other alternatives may include stormwater reclamation, rainwater catchment, or other alternatives not already listed above.

14. PUBLIC INTEREST

Explain in the space provided or on a separate sheet why the use(s) on your application are consistent with the public interest.

15. KA PA'AKAI ANALYSIS

In the case of Ka Pa'akai O Ka'Aina vs. the Land Use Commission, State of Hawaii, it was determined that an analysis must be conducted for the following items:

- The identification and scope of cultural, historical, and natural resources in which traditional and customary Native Hawaiian rights are exercised in the area.
- The identification of the extent to which those resources listed in item a., including traditional and customary Native Hawaiian rights, will be affected or impaired by the proposed action.
- The determination of the feasible action, if any, that could be taken to reasonably protect Native Hawaiian rights.

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16. INTERFERENCE WITH THE RIGHTS OF THE DEPARTMENT OF HAWAIIAN HOME LANDS

Explain in the space provided or on a separate sheet how the use(s) of water will not interfere with the rights of the Department of Hawaiian Home Lands, as provided in section 221 of the Hawaiian Homes Commission Act. To inquire about potential interference, you may contact the Department of Hawaiian Home Lands main line at 620-9500, or the DHHL Planning Office at 620-9480. You may also visit their website at dhhl.hawaii.gov, where you can review DHHL's Island Plans, Regional Plans, and their Water Policy Plan.

The State Water Code in §174C-101(a), HRS [Native Hawaiian water rights], states: *Provisions of this chapter shall not be construed to amend or modify rights or entitlements to water as provided for by the Hawaiian Homes Commission Act, 1920, as amended, and by chapters 167 and 168, relating to the Molokai irrigation system. Decisions of the commission on water resource management relating to the planning for, regulation, management, and conservation of water resources in the State shall, to the extent applicable and consistent with other legal requirements and authority, incorporate and protect adequate reserves of water for current and foreseeable development and use of Hawaiian home lands as set forth in section 221 of the Hawaiian Homes Commission Act.*

17. INTERFERENCE WITH ANY EXISTING LEGAL USES

Explain in the space provided or on a separate sheet how the use(s) of water will not interfere with any other existing legal use(s) of water.

18. EFFICIENCY

A conservation plan should describe any conservation measures that will be used to ensure that your water use is or will be efficient, and is different from a water shortage plan. Conservation measures may include, but are not limited to, water reuse or recycling systems, monitoring the water distribution system for pressure drops that are indicative of leaks or line breaks, or use of drought-tolerant and xeriscape landscape plants.

19. PUBLIC WATER SYSTEM INFORMATION

Check the appropriate box or boxes relating to your water system.

20. **CHAPTER 343** If an Environmental Assessment was completed, fill in the dates of publication and acceptance. For additional information about the proposed uses checkboxes, refer to http://luc.state.hi.us/docs/hrs_343.pdf

21. **TABLE 4: 12-MONTH MOVING AVERAGE CALCULATION AS OF THE DATE OF DESIGNATION. FOR EXISTING USES ONLY.**

For existing use permit applications, list the pumpage for the 12 months prior to designation. Also identify how that measurement was taken.