

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

APPLICATION FOR GROUND WATER USE PERMIT FOR PROPOSED NEW USE IN A DESIGNATED GROUND WATER MANAGEMENT AREA

FORM GWUPA-N

☑ Application for New Use□ Application to Modify WUP No.

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.

The following must be attached before this application is accepted as complete:

- Portion of 7.5-Minute Series USGS topographic map (scale 1:24,000) with source location labeled and include the name of the quad map.
- Property tax map, showing source location referenced to established property boundaries.
- Photograph(s) of the source(s) and location(s) of proposed end use(s), if applicable.

A	PPLICANT IN	IFORMATION			National de la companya de la company								
<u>No</u> pe	<u>te 1</u> : In accordance rson with a terminal	ce with HRS § 174C able interest or estate	-51(1), the landowner shal e in the land that is the wa	Il be the joir ter source o	it applica of the pe	ant in the ev rmitted wate	ent the applica ar.	ant is a lesi	see, licensee, developer or any				
1.	APPLICANT'S IN	FORMATION	un viene anderen in de ser hydrog a denner se		2. SOURCE LANDOWNER'S INFORMATION								
Na	me/Company		Contact Person		Name	/Company			Contact Person				
Ha	awaiian Turfgrass I	nc.	Sean Fong	Hawai	iian Turfgras	ss, Inc.		Sean Fong					
	ailing Address P.O. Box 893340 Mililani, HI 96789			Mailing Address P.O. Box 893340 Mililani, HI 96789									
Pł	ione	Fax	E-mail		Phone	•	Fax		E-mail				
3	71-0527	NA	hawaiianturfgrass	@gmail.cor		371-0527 NA			hawaiianturfgrass@gmail.com				
S	OURCE INFO	RMATION		North Car		1.2.2.002							
1.16	ISLAND OAHU												
4.	GROUND WATER Waipahu-Waia	R MANAGEMENT A	REA		1	USTAINAB	LE YIELD FO MGD	R ITEM 4					
	SOURCE INFORM Attach additional s	IATION heets, if necessary.	nen en		eneral as es	en e See aandroom		na ta seconda ana ana					
	Well Number (if known)	Well Name	Existing or Proposed?			тмк		Flowmeter installed?					
с. С.		HTGI	Proposed	<u>9</u> -	4 -	003 plat	: 002 parcel	☐ Yes, da ⊠ No	ate installed / /				
				zone	sector	plat	: parcel	□ No	ate installed / /				
				zone	sector	plat	parcel		ate installed / /				
				zone	sector	plat	: parcel	□ No	ate installed / /				
				zone	sector	plat	parcel	□ No	ate installed / /				
				zone	sector	plat	parcel	No	ate installed / /				
P	ROPOSED U	SE INFORMA	FION §§174C-51(4), (5)), (6), HRS									
6.		Y OF WATER REQ	UESTED: In the space be 1 year 400,000	elow, enter	total fron	n Box M in I	tem 11 (Table	1) of this a	application.				
7.	PROPOSED USE		-	🗌 lr	dustrial								
	Check all that app				lunicipal								
8.	LOCATION OF location. Other	PROPOSED WATE wise, 'attach similar r	RUSE(S): Show the loca naps. See Item 11 (Table	ation of the 1, column l	propose 3) of this	d use on the application	e same USGS	and TMK r	maps as the proposed source				
th (2 sta no	ote 2: Signing bek eir knowledge. Fur) if a water use per andards, reserved u otice fees associa	ow indicates that the rther, the signatories ermit is granted by t uses as defined by t ted with this appli	signatories understand as understand that: (1) if ne the Commission, this perr he Commission, and Hawa cation. Additionally, as si	nd affirm th cessary, fu mit is subje aiian Home tated in Not	at the info ther info ct to an Lands' f e 1, abo	formation pro prmation ma y existing le uture uses; pve, HRS §	rovided on this by be required egal uses, cha and (3) the ap 174C-51(1) th	before the anges in su oplicant is a landown	n is accurate and true to the best of application is considered complete; ustainable yields and instream flow responsible for paying the public er shall be the joint applicant in the water source of the permitted water.				
9.	APPLICANT			10	. SOUR		WNER/JOINT	APPLICA	NT (if applicable)				
	Signature				Signa	hture							
	Sean Fong		4/24 -	2020	Sea	n Fong			4/24/2020				
	Print Name		Date			Name		Date					

PROPOSED NEW USE OR MODIFIED USE INFORMATION

D USE CONSISTENCY						EFFICIENC	CY OF USE		
Α	В	С	D	E	F	G	Н	I	J
	TMK FOR PROPOSED LOCATION OF USE		CDUP		SMAP				
PURPOSE / WATER USE	ATTACH THE FOLLOWING:		REQUIRED?		REQUIRED?				
CATEGORY	 Property tax map, showing proposed location of use referenced to established property boundaries. 	STATE LAND	Check the appropriate box,	COUNTY	Check the appropriate box,	UNITS OR			JUSTIFICATION FOR QUANTITY OF WATER REQUESTED
ee the Instructions for water use category descriptions.)	 Photograph of the area of proposed use. 	USE DISTRICT	and write in the date approved, if applicable.	ZONING CODE	and write in the date approved, if applicable.	NET ACREAGE	GPD/UNIT or GPD/ACRE	QUANTITY OF USE (GPD)	(If applicable, attach additional sheets showing how the quantity was calcula For irrigation uses, fill in Table 2.
	BLE (DRINKING) WATER	Diorraot		OODL	approved, il applicable.	KOREKOE	OF DIATORE		r of ingatori doos, in in rabie 2.
			Yes, date approved:		Yes, date approved:	1			
			/ /		/				
			Yes, not acquired		Yes, not acquired				
	zone sector plat parcel		□ No		□ No				
			Yes, date approved:		Yes, date approved:				
	:		/ /		/ /				
			Yes, not acquired		Yes, not acquired				
	zone sector plat parcel		□ No		□ No				
			Yes, date approved:		Yes, date approved:				
	· · ·		/ /		/ /				
			Yes, not acquired		Yes, not acquired				
	zone sector plat parcel		□ No		□ No				
			Yes, date approved:		Yes, date approved:				
	:		/ /						
	zone sector plat parcel		Yes, not acquired		☐ Yes, not acquired ☐ No				
			□ No					14	
						TOTAL PC	TABLE USE	к	GPD
ES THAT DO NOT REQUI	RE POTABLE WATER								
			Yes, date approved:		Yes, date approved:				
GROTH	:		/ /	AG2	/ /				
	<u>9</u> <u>4</u> <u>003</u> <u>002</u> zone <u>sector</u> <u>plat</u> <u>parcel</u>	AG	Yes, not acquired	F1	☐ Yes, not acquired	67.5	5,926	400,000	See attached spreadsheet of historical use.
	<u>9</u> <u>4</u> <u>003</u> <u>002</u> plat <u>parcel</u>		🕅 No				,		
			Yes, date approved:		Yes, date approved:				
	:		/ /		/				
			Yes, not acquired		Yes, not acquired				
	zone sector plat parcel		□ No		□ No				
			Yes, date approved:		Yes, date approved:				
	:		/ /						
	zone sector plat parcel		Yes, not acquired		 Yes, not acquired No 				
			□ No		Yes, date approved:				
			Yes, date approved:						
			/ / / Yes, not acquired		Yes, not acquired				
	zone sector plat parcel		□ Yes, not acquired □ No						
								1 400 000	000
							TABLE USE	,	GPD
		TOTAL QUAN	ITITY OF WATER REQU	JESTED (s	um of total potable use a	nd total non-p	otable use) =	^M 400,000	GPD
	limitations (e.g., legal, contractual) on the prop		(a) described in Table 4		\$ 4740 F4(F)				•

PROPOSED NEW USE OR MODIFIED USE INFORMATION (continued)

12. TABLE 2: 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.

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.											
Α	В	C	D	E	F	G	Н	I			
 TMK FOR PROPOSED LOCATION OF USE ATTACH THE FOLLOWING: Property tax map with an outline around the area of each proposed irrigation use listed in this table. Photograph of the area of each proposed use. 	CROP	TOTAL ACREAGE	NET IRRIGATED ACREAGE	BEGIN GROWTH PERIOD (month)	END GROWTH PERIOD (month)	IRRIGATION SYSTEM (refer to instructions)	IRRIGATION PRACTICE (refer to instructions)	COMMENTS (Continue comments below, if more space is needed.)			
<u>9</u> - <u>4</u> - <u>003</u> : <u>002</u> _{plat} - <u>plat</u> - <u>parcel</u>	Various turfgrasses planted on plastic	135	67.5	January	December	Sprinkler, Large Guns	Deficit Irrigation				
: zone sector plat parcel											
: zone sector plat parcel											
: zone sector plat parcel											
zone sector plat parcel											
: zone sector plat parcel											
: zone sector plat parcel											
: zone sector plat parcel											
: zone sector plat parcel											
zone sector plat parcel											

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

OTHER PERTINENT INFORMATION

	A. Analysis of <i>potable</i> alternatives Attach additional sheets if necessary.	B. Analysis of <i>non-potable</i> alternatives Attach additional sheets if necessary.
Municipal sources		est access to county water is 4,112 ft away from n. Mililani Ag Park (MAP) owns the common area is not available to us.
Wastewater reuse	NA	None available
Ditch system	Our current source of water is from the Waiah NA us by MAP. MAP sold 1/2 the 12" water main available for us to use. MAP has only offered	ole ditch system. The water system is owned and delivered to system our competitor. So, ditch system water will not be us a 3" water main which will not have the volume we need.
Desalinization	NA	To drill deeper for desalinization is cost prohibiting and also dangerous for the potable water aquifer.
Surface water	NA	The Waikele stream is downgradient to the well site.
Conservation Measures	NA	Monitoring of groundwater use via the flowmeter will help find leaks in the irrigation system. Ponds will also be built to capture groundwater.
Other (specify)	NA	

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 proposed new use(s) in your application are consistent with items [a] and [b] above. The use of the groundwater for the turfgrass are consistent with the state water code as it will be used for irrigation and other agricultural uses. A search in the OHA Kipuka database listed no historic sites or crown lands. There are no water bodies on the site.

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

Explain how the proposed new 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.

The Department of Hawaiian Home Lands does not have a water reservation listed in its SWPP Final Report dated May 2017 for this aguifer.

16. INTERFERENCE WITH ANY EXISTING LEGAL USES

Explain how the proposed new use(s) of water will not interfere with any other existing legal use(s) of water. There are no other wells near this project site. Pump tests will be performed to see if there will be a major drawdown in the aquifer that serves other wells.

17. PUBLIC WATER SYSTEM INFORMATION

Check the appropriate box or boxes.

DUC-Regulated Private System / Non-PUC-Regulated Private System / X Not a Public Water System
Intended dedication to Honolulu Board of Water Supply or to County of Maui, Department of Water Supply.

18. CHAPTER 343

	An Environmental Assessment was completed, and An Environmental Impact Statement was required and has been accepted (at	tach	letter of acceptance). Publication date in The Environmental Notice:
	A Finding of No Significant Impact has been determined (attach letter). Publicati	on d	ate in The Environmental Notice:
This proje	ct proposes:		
	Use of state or county lands, or use of state or county funds		A wastewater treatment unit
	Use within a state conservation district		Waste-to-energy facility
	Use within a shoreline setback area		Landfill
	Use within a national or Hawaii registered historic site		Oil refinery
	Use within the Waikiki Special District		Power-generating facility
	The construction, expansion or modification of helicopter facility	x	None of the above 11 items



Tax Parcel	Tax Parcel
Map Title	Notes: Notes
Author: Your Name	Powered by ArcGIS Server 10 © City & County of Honolulu, All Rights Reserved, 2020 Note: Data represented on this map is not intended to replace site survey.

Copyright

Date	Meter	Cost / per thousand gal	Meter	Cost / per thousand gal	Meter	Cost / per thousand ga	Daily water usage	Tax	Total Cost	Water Usage for the Year			
2410	120817604	0.635.14	150426806	0.635.14	1500412	0.635.14	Duny nator acago	0.50%	per month	2018			
Jan. 2018	529.4	\$336.24	6,887.20	\$4,374.34	0	\$0.00	239.24	\$23.55	\$4,734.13	130387.321			
Feb. 2018	0	\$0.00	4,470.30	\$2,839,27	1	\$0.00	159.69	\$14.20	\$2,854.11				
March 2018	70.92	\$45.04	7,049.03	\$4,477.12	0.081	\$0.51	229.70	\$22.61	\$4,545.28				
April 2018	37.5	\$23.82	5,971.30	\$3,792.61	0.6	\$0.38	200.31	\$19.08	\$3,835.89	Total Cost of Water Paid			
June 2018	816.7	\$518.72	7,796.90	\$4,952.12	486.7	\$309.12	303.21	\$28.90	\$5,808.86	\$51,898.47	increase of wat	er usage from	2018-2019
July 2018	635	\$403.31	10,586.50	\$6,723.91	1,007.60	\$639.97	394.49	\$38.84	\$7,806.03		17,375.91		
Aug. 2018	1,807.70	\$1,148.14	6,676.00	\$4,240.19	1734	\$1,101.33	329.60	\$32.45	\$6,522.11		,		
Oct. 2018	915.82	\$581.67	6,957.73	\$4,419.13	795.39	\$505.18	279.55	\$27.53	\$5,533.51		increase of wat	er cost from 2	018-2019
Nov. 2018	60.09	\$38.17	8,487.40	\$5,390.69	0.71	\$0.45	284.94	\$27.15	\$5,456.46		\$11,090.88		
Dec. 2018	0	\$0.00	7,523.06	\$4,778.20	0.11	\$0.00	242.68	\$23.89	\$4,802.09		\$11,000.00		
2018 Total	4873.13	\$3,095.11	72,405.42	\$45,987.58	4026.081	\$2,556.94	266.34	\$258.20	\$51,898.47				
Jan. 2019	0	\$0.00	9,152.80	\$5,813.31	0	\$0.00	295.25	\$29.07	\$5,842.38	Water Usage for the Year			
Feb. 2019	19.8	\$12.58	5,065.26	\$3,217.15	1.11	\$0.71	181.65	\$16.15	\$3,246.59	2019			
March 2019	0	\$0.00	10,245.50	\$6,507.33	0	\$0.00	330.50	\$32.54	\$6,539.87				
April 2019	0.81	\$0.51	9,880.64	\$6.275.59	7.72	\$4.90	329.63	\$31.41	\$6,312.41				
May 2019	0.01	\$0.00	11,857.56	\$7,531.21	0	\$0.00	382.50	\$37.66	\$7,568.87				
June 2019	150.3	\$95.46	12,975.40	\$8,241.20	427.2	\$271.33	451.76	\$43.04	\$8,651.03	Total Cost of Water Paid			
July 2019	0	\$0.00	10,540.94	\$6,694.97	-121.2	\$0.00	340.03	\$33.47	\$6,728.44	2019			
Aug. 2019	8.2	\$5.21	12,852.10	\$8,162.88	0.5	\$0.32	414.86	\$40.84	\$8,209.25				
Sept. 2019	5,413	\$3,438.01	7,441.80	\$4,726.58	2,639.90	\$1,676.71	516.49	\$49.21	\$9,890.51				
Oct. 2019	252.6	\$160.44	10,355.20	\$6,577.00	32.3	\$20.52	343.23	\$33.79	\$6,791.75				
Nov. 2019	0		8657.4	\$5,498.66	0	\$0.00	288.58	\$27.49	\$5,526.15				
Dec. 2019	0	\$0.00	6631.7	\$4,212.06	531.5	\$337.58	231.07	\$22.75	\$4,572.39				
YTD 2019	5844.71	\$3,712.21	115,656.30	\$73,457.94	3640.23	\$2,312.07	342.13	\$397.42	\$79,879.64				
Jan. 2020	0	\$0.00	5733.4	\$3,641.51	0	\$0.00	184.95	18.21	\$3,659.72				
Feb. 2020	73.8	\$46.80		\$3,152.39	0	\$0.00	173.69	16	\$3,215.26				
March 2020	0	\$0.00		\$3,597.95	0	\$0.00	182.73	17.99	\$3,615.91				
April 2020	0	\$0.00		\$6,837.03	0	\$0.00	358.83	34.19	\$6,871.22				
May 2020	0	\$0.00		\$8,008.04	0	\$0.00	406.71	40.04	\$8,048.08				
June 2020	_												
July 2020													
August 2020													
Sept. 2020													
Oct. 2020													
Nov. 2020													
Dec. 2020													
YTD 2020	73.8	\$46.80	39734.36	\$25,236.92	0	\$0.00	261.38	126.43	\$25,410.19				