M.	AIL TO:		OFFICIAL USE ONLY:			
Dî 89 D(ATER ALLOCATIONS BE NREC - DIVISION OF WA KINGS HIGHWAY DVER, DE 19901)2) 739-9945			DNREC DRBC I	ALLOCATION NO DOCKET NO. D	CP
	p://www.dnrecstate.de.u	ıs	PLEASE TY	PE OR PRIN	Г	
1.	Owner Name_Tidewate Address_ 1100 South Little					
	City_Dover		State_DE	Zip_19901	Phone #_302-734-7	500
2.	Project Name_Rehoboth-Lewes Address				e # ()	
3.	Date of Application_877/202	24	_			
4.	Name, address, and tele	phone # of geologist (or	engineer):			
5.	intakes). Applications f	or irrigation systems n	nust also show	the acreage s	erved by each facility.	ties (wells, streams, and pond All applications must show, is operty/corporate boundaries
6.	Purpose (check): X l	Public Industrial Contamin	Processant / Recovery	Industrial (Other_	CoolingIrrigation	on
7.	Facility information: (at	tach additional sheet(s)	if needed)			
	A. Facility Local ID	B. Facility Permit No.	C. Maximun Capacity	n Pump	D. Maximum Use (GPD)	E. Acreage Total / Irrigated
8.	Requested rates(MG):_ Sub-TotalSyste	Day m Total <u>×</u>	, 7.241	Month_	209.492 Year_	1644.398
9.	For irrigation projects on	ly: Total tillable acreag	e:N/A	Irri	gated acreage:	N/A

MAIL TO: OFFICIAL USE ONLY:				
VATER ALLOCATIONS BR DNREC - DIVISION OF WA 9 KINGS HIGHWAY	СР			
OVER, DE 19901 302) 739-9945				
tp://www.dnrecstate.de.u	ls.	PLEASE TYPE OR PRIN	T	
Owner Name_Tidewate				
Address_1100 South Little C City_Dover		State_DE Zip_19901	Phone # 302-734-7	500
J			ITOIC #	
Project Name Rehaboth-Lewes Address				
City	State	ZipTelephor	ne # ()	
Date of Application_877/203	24			
Name, address, and tele	phone # of geologist (or	engineer):		
intakes). Applications f	or irrigation systems m	ust also show the acreage	served by each facility.	ties (wells, streams, and po All applications must show operty/corporate boundar
Purpose (check): X 1	Public Industrial Contamin	Process Industrial ant / Recovery Other	CoolingIrrigatio	on
Facility information: (at	tach additional sheet(s)	if needed) Columbia		
A. Facility Local ID	B. Facility Permit No.	C. Maximum Pump Capacity (GPM)	D. Maximum Use (GPD)	E. Acreage Total / Irrigated
Bay Vista 189219	189219	430	619,200	
Colonial East 10705	10705	160	230,400	
Love Creek Woods 92263	92263	200	288,000	
Love Creek Woods 92264	92264	180	259,200	
Paynters Mill 193788	193788	315	453,600	
Paynters Mill 193789	193789	300	432,000	
Rehoboth Mall 62742	62742	220	316,800	
Note: Bay Vista 231572 is	a monitoring well only	and is not allocated.		
Requested rates(MG):_ Sub-TotalxSyste	Day	, 2.282 Month	70.754 Year_	833.076
	ly: Total tillable acreag	a- N/A Irr	igated acreage:	N/A

M.	AIL TO:		OFFICIAL USE ONLY:		
D1 89 D0	ATER ALLOCATIONS BR NREC - DIVISION OF WA KINGS HIGHWAY DVER, DE 19901 12) 739-9945		DNRE DRBC	C ALLOCATION NO DOCKET NO. D	CP
http://www.dnrecstate.de.us PLEASE TYPE OR PRINT					
1.	Owner Name_Tidewate				
	Address_1100 South Little C		State DE Zip 19901	Phone # 302-734-7	7500
2	•				
2.	Project Name Rehoboth-Lewes Address				
	City	State	ZipTelephon	ne # ()	
3.	Date of Application 8/7/202	24	→ :		
4.	Name, address, and telep	phone # of geologist (or	r engineer):		
5.	intakes). Applications f	or irrigation systems n	nust also show the acreage	served by each facility.	ities (wells, streams, and pond All applications must show, if operty/corporate boundaries.
6.	Purpose (check): X Commercial	Public Industrial Contamin	Process Industrial ant / Recovery Other	CoolingIrrigation	on
7.	Facility information: (att	ach additional sheet(s)	if needed) Pocomoke		
	A. Facility Local ID	B. Facility Permit No.	C. Maximum Pump Capacity (GPM)	D. Maximum Use (GPD)	E. Acreage Total / Irrigated
	Briarwood Estates 86831	86831	70	100,800	
	Briarwood Estates 86832	86832	30	43,200	
	Glade 72567	72567	290	417,600	
	Glade 177914	177914	325	468,000	
	Maplewood 94743	94743	290	417,600	
	Rolling Meadows 74787	74787	265	381,600	
8.	Requested rates(MG):_ Sub-TotalxSyste	Day m Total	₇ 1.217Month	37.721 Year_	444.132
9.	For irrigation projects on	ly: Total tillable acreag	e:	rigated acreage:	N/A

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	2) 739-9945						
	o://www.dnrecstate.de.u	ıs	PLEASE TYPE OR PRIN	IT			
l.	Owner Name_Tidewate						
	Address 1100 South Little City Dover	Стеек ноао	State_DE Zip_19901	Phone #_302-734-7	500		
<u>.</u>	Project Name Rehoboth-Lewes						
-	Address		ZipTelepho				
3.	Date of Application 8/7/200		rereprio	/			
			engineer):				
5.	intakes). Applications f	or irrigation systems m	ust also show the acreage	served by each facility.	ties (wells, streams, and pon All applications must show, operty/corporate boundarie		
	Purpose (check): X I	Public Industrial Contamin	Process Industrial ant / Recovery Other	Cooling Irrigation	on		
•	Facility information: (at	tach additional sheet(s)	if needed) Columbia-Gap IC w/o	confined Pocomoke			
	A. Facility Local ID	B. Facility Permit No.	C. Maximum Pump Capacity (GPM)	D. Maximum Use (GPD)	E. Acreage Total / Irrigated		
	Rolling Meadows 184338	184338	330	475,200	. 0		
	Seasons 216860	216860	430	619,200			
	Requested rates(MG):_ Sub-TotalxSyste	Day	1.094 Month	33.926 Year_	399.456		
	Jysic Jysic						
	For irrigation projects on	ly: Total tillable acreage	e: N/A Irr	rigated acreage:	N/A		

MAIL TO:			OFFICIAL USE ONLY	:
WATER ALLOCATIONS BR DNREC - DIVISION OF WA		DNRE DRBC	C ALLOCATION NO DOCKET NO. D	CP
9 KINGS HIGHWAY OOVER, DE 19901				
302) 739-9945				
ttp://www.dnrecstate.de.u	S	PLEASE TYPE OR PRIN	NT	
Owner Name_Tidewater Utilities, Inc.				
Address 1100 South Little C		State DE Zip 19901	Phone # 302-734-7	7500
City_bots		state_btZip_19901_	1 HOHE #_302-734-7	300
Project Name Rehoboth-Lewes				
Address City	State	ZipTelepho	ne # ()	
Date of Application_87/202		•	, , ,	
		-		
Name, address, and telep	ohone # of geologist (or	engineer):		
intakes). Applications for	or irrigation systems m	ust also show the acreage	served by each facility.	ities (wells, streams, and po All applications must show operty/corporate boundar
Purpose (check): X F	Public Industrial Contamin	Process Industrial ant / Recovery Other	CoolingIrrigation	on
Facility information: (att	ach additional sheet(s)	if needed) Beaverdam		
A. Facility Local ID	B. Facility Permit No.	C. Maximum Pump Capacity (GPM)	D. Maximum Use (GPD)	E. Acreage Total/Irrigated
Angola 61102	61102	250	360,000	
Angola 39165	39165	250	360,000	
Meadows 30036	30036	65	93,600	
Meadows 40091	40091	70	100,800	
Meadows 59397	59397	500	720,000	
Lochwood 93143	93143	170	244,800	
Lochwood 93144	93144	185	266,400	
Requested rates(MG):_ Sub-TotalxSystem	Day	, 4.291 <u>Month</u>	133.027 Year_	1566.288

			OFFICIAL USE ONLY:			
NREC - DI	OCATIONS BRAVISION OF WAT			C ALLOCATION NO DOCKET NO. D		
9 KINGS HI POVER, DE 802) 739-994 ttp://www	19901		PLEASE TYPE OR PRIN	т		
	Name_Tidewater					
	1		State_DE Zip_19901	Phone #_302-734-75	500	
Address			ZipTelephon			
	Application_877/2024			(
Name, ac	ddress, and telep	hone # of geologist (o	r engineer):			
intakes).	Applications fo le. the location	r irrigation systems n	nust also show the acreage s	served by each facility.	ties (wells, streams, and por All applications must show, operty/corporate boundarie	
Purpose	(check):XPt _Commercial	ablic Industrial Contamin	Process Industrial nant / Recovery Other	Cooling Irrigatio	n	
Facility is	nformation: (atta	ch additional sheet(s)	if needed) Beaverdam			
	A. cility cal ID	B. Facility Permit No.	C. Maximum Pump Capacity (GPM)	D. Maximum Use (GPD)	E. Acreage Total / Irrigated	
Lo	cility	Facility	Maximum Pump	Maximum Use	Acreage	
Lochwo	cal ID	Facility Permit No.	Maximum Pump Capacity (GPM)	Maximum Use (GPD)	Acreage	
Lochwo Long Necl	cal ID cod 90439	Facility Permit No. 90439	Maximum Pump Capacity (GPM) 200	Maximum Use (GPD) 288,000	Acreage	
Lochwo Long Neck	cal ID pod 90439 Church 99346	Facility Permit No. 90439 99346	Maximum Pump Capacity (GPM) 200	Maximum Use (GPD) 288,000 576,000	Acreage	
Lochwell Long Necl Oak Crest	cal ID cod 90439 Church 99346 Farms 188521	Facility Permit No. 90439 99346 188521	Maximum Pump Capacity (GPM) 200 200 240	Maximum Use (GPD) 288,000 576,000 345,600	Acreage	
Lochwell Long Necl Oak Crest Oak Crest Woods on H	cal ID cod 90439 c Church 99346 t Farms 188521 t Farms 188465	Facility Permit No. 90439 99346 188521 188465	Maximum Pump Capacity (GPM) 200 200 240 95	Maximum Use (GPD) 288,000 576,000 345,600 136,800	Acreage	
Lochwell Long Necl Oak Crest Oak Crest Woods on H	cal ID cod 90439 c Church 99346 t Farms 188521 t Farms 188465 erring Creek 61099	Facility Permit No. 90439 99346 188521 188465 61099	Maximum Pump Capacity (GPM) 200 200 240 95 210	Maximum Use (GPD) 288,000 576,000 345,600 136,800 302,400	Acreage	

10.	What is the estimated consumptive use, as a percentage of the total withdrawal? Approximately 10%
11.	Can water be transferred from facilities other than those listed in #8 (above)? No If so, give the name and location, the use for the water, and list average daily, monthly, and yearly flows. (Interconnections with other systems should be marked on the map attached for #6).
12.	Discuss the feasibility of interconnecting with other systems. (not applicable to irrigation projects). This application is submitted for the interconnection of the Rehoboth-Lewis District with four other Tidewater systems: Angola, Meadows, Oak Crest Farms, & Love Creek Woods.
13.	For each well listed in #8 (above), attach copies of Completion Reports and pumping test reports as specified in the Well Permit. If these reports do not exist, attach all available information about the wells or intakes.
14.	See Exhibit C Attach copies of the latest reports on chemical and bacteriological analyses for the water from each facility. (not applicable to irrigation wells and irrigation surface-intakes). See Exhibit D
15.	Describe all treatment the withdrawn water will receive prior to use.
16.	Sodium Hypochlorite for disinfection purposes, Sodium Hydroxide to neutralize pH, Ion Exchange for nitrate removal, Ion Exchange for PFAS removal Describe the method of treatment for this project's waste water. If the waste water is discharged to surface waters or lands, attach copies of the latest chemical and bacteriological analyses of the effluent, including temperature (DMRs), and where appropriate the disposal project study. Otherwise, name the treatment facility for this waste water.
17.	Sussex County Sewer & individual septic systems Are all facilities listed in #7 (above) individually metered? Identify those not metered and submit a proposed schedule for meter installation.
18.	For public supply projects only: what percent of individual service-connections are metered? $\underline{}$ If not 100%, give a schedule of when it will be 100%. What is the present population? $\underline{}$ in five years? $\underline{}$ in five years? $\underline{}$.
19.	Conservation Program for projects with total system water withdrawals over of 1.0 mgd. Attach the appropriate program description. (not applicable to irrigation projects).
	A. Public water supply systems: A Conservation Program which provides for the monitoring, prevention, and repair of leakage throughout the system, provides customer information relating to water conservation and water-saving devices. Water Conservation on file at DNREC. B. Industrial, Commercial and other water supply projects: A Conservation Program which provides for the investigation of all feasible conservation measures, and provides for the implementation of those feasible as soon as possible. A description of leak-detection monitoring and all feasible process-modifications for minimizing both water usage and loss.
20.	Drought Emergency Plan for projects with total system water withdrawal over 1.0 mgd. Attach the following plan description. (not applicable to irrigation projects).
21	A. Identification of all priority uses for water throughout the system or service are, priority locations, water usage restriction schedules, implementation procedures, and any alternate sources of water. Emergency on file at DNREC. AFFIDAVIT
21.	I, Bruce E. Patrick, hereby affirm this application and any plans, reports, or
doc	uments submitted with this application to be true and correct to the best of my knowledge and belief.
Sign	nature Burn E. Patrick
Date	· <u>8-7-202+</u>
SWO	DRN TO AND SUBSCRIBED before me the day of day of A.D., A.D., A.D., A.D., NOTARY PUBLIC ()
*Ap	plications for withdrawal for agricultural irrigation are not required to be notarized.

KAREN ELAINE MCTAGGART NOTARY PUBLIC STATE OF DELAWARE My Commission Expires September 18, 2026



A Middlesex Water Company Affiliate

August 7, 2024

Ms. Patricia Murray DNREC Division of Water 89 Kings Highway Dover, DE 19901

RE: Rehoboth-Lewes District

Water Allocation Permit

Dear Ms. Murray,

Enclosed please find the DNREC Water Allocation Permit Application for the Rehoboth-Lewes District located in Sussex County, Delaware. The Rehoboth-Lewes District has been interconnected with four of Tidewater's other systems: Angola, Meadows, Oak Crest Farms, and Love Creek Woods. This application is a modification to the following Permit #s: 01-0020AM4, 01-0020B, 01-0020C, 91-0006M1, 91-0001M2, and 06-0002. Love Creek Woods does not have a permit number because it was an independent district which did not require an allocation prior to the interconnection.

The water allocation requests are as follows:

Day 7.241 MG Month 209.492 MG Year 1,644,398 MG

The application includes 30 wells in 4 aquifers: Beaverdam Aquifer, Columbia Aquifer, Pocomoke Aquifer, & Columbia-Gap IC with Confined Pocomoke Aquifer. Attachment 1 lists the status of the 30 wells in addition to the status of the wells not included in the application. Attachment 2 shows the calculations used to determine the water allocation requests. The withdrawal rates are calculated by applying a daily, monthly, and annual multiplier for each projected customer.

The DNREC Portal limits the size of attachments to 10MB. Two of the attachments are larger than 10MB; therefore, Exhibits A & C are being submitted via email for your review.

If you would like to field verify the existing wells, please contact Paul Peris at 302-747-1371 to make arrangements to tour the facilities. If you have any questions or need additional information regarding this application, please feel free to contact me at 302-734-1339.

Sincerely,

Tawanda Priester Project Engineer

Savenda Ruester

Attachments

cc: Bruce Patrick, Tidewater Utilities, Inc. Brian Carbaugh, Tidewater Utilities, Inc. Paul Peris, Tidewater Utilities, Inc.

ATTACHMENT 1

Rehoboth-Lewes District

Wells Included in Application

No.	Well #	Name/Location	Pump Capacity (gpm)	Well Status
1	61102	Angola	250	Main
2	39165	Angola	250	Main
3	189219	Bay Vista	430	Main
4	231572	Bay Vista	na	Monitoring
5	86831	Briarwood Estates	70	Backup
6	86832	Briarwood Estates	30	Backup
7	10705	Colonial East	160	Main
8	72567	Glade	290	Main
9	177914	Glade	325	Backup
10	94743	Maplewood	290	Main
11	30036	Meadows	65	Main
12	40091	Meadows	70	Main
13	59397	Meadows	500	Main
14	93143	Lochwood	170	Main
15	93144	Lochwood	185	Main
16	90439	Lochwood	200	Main
17	99346	Long Neck Church	400	Main
18	92263	Love Creek Woods	200	Main
19	92264	Love Creek Woods	180	Main
20	188521	Oak Crest Farms	240	Main
21	188465	Oak Crest Farms	95	Main
22	193788	Paynters Mill	315	Main
23	193789	Paynters Mill	300	Main
24	62742	Rehoboth Mall	220	Backup
25	74787	Rolling Meadows	265	Main
26	184338	Rolling Meadows	330	Main
27	61099	Woods on Herring Creek	210	Main
28	61100	Woods on Herring Creek	225	Main
29	216860	Seasons	430	Main
30	31821	Vera Lane	120	Main

Wells Not Included in Application

	Well #	Name/Location	Well Status
1	64912	The Plantations	To be Abandoned

ATTACHMENT 2

Rehoboth-Lewes District

Allocated	2018 Year End	2023 Year End	5 Year Actual	5 Year Projected
District	Customers	Customers	Growth Customers	Growth Customers
Rehoboth (Consolidated)	19,822	26,001	6,179	32,180

5 Year Projected Growth Customers	Daily Multiplier 225	Monthly Multiplier 210	Annual Multiplier 140
32,180	7,240,500	209,491,800	1,644,398,000

R	Requested Allocation				
Day	Month	Year			
7.240 MG	209,492 MG	1,644,398 MG			