

NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENTAL QUALITY
RALEIGH

**RECLAIMED WATER GENERATION SYSTEM AND NON-CONJUNCTIVE RECLAIMED
WATER UTILIZATION SYSTEM PERMIT**

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules and Regulations

PERMISSION IS HEREBY GRANTED TO

Jordan Lake Business Park Association
Chatham County

FOR THE

continued operation of a 1,200 gallon per day (GPD) reclaimed water generation system consisting of: a 2,000 gallon septic tank with an effluent filter; a flow director valve; Pump Tank 1 with dual 40 gallon per minute (GPM) pumps; a combination 730 square foot (ft²) sand filter and horizontal subsurface flow 998 ft² constructed wetland with gravel substrate; a 546 ft² horizontal subsurface flow constructed wetland with sand substrate; Pump Tank 2 with a 40 GPM pump; two 610 ft² sand filters inside a greenhouse; a tablet chlorinator; Pump Tank 3 with a 30 GPM pump and a 10 GPM pump; a reuse water storage tank; Pump Tank 4 with a 10 GPM pump for supplemental water supply; a 100 gallon bladder tank; and all associated piping, valves, controls, and appurtenances; and the

continued operation of a 1,200 GPD non-conjunctive reclaimed water utilization system consisting of: 0.34 acre irrigation area with 300 ft² of spray irrigation disposal area with 14 micro-sprayers, 430 ft² of drip irrigation area, and 14,000 ft² of spray irrigation area with 17 pop-up spray heads; toilet reuse for approximately 60 employees; and all associated piping, valves, controls, and appurtenances

to serve the Jordan Lake Business Park Association WWTF, with no discharge of wastes to surface waters, pursuant to the application received November 6, 2017, and subsequent additional information received by the Division of Water Resources, and in conformity with the project plans, specifications, and other supporting data subsequently filed and approved by the Department of Environmental Quality and considered a part of this permit.

This permit shall be effective from the date of issuance until May 31, 2023, shall void Permit No. WQ0011777 issued August 15, 2007, and shall be subject to the following specified conditions and limitations:

I. SCHEDULES

1. No later than six months prior to the expiration of this permit, the Permittee shall request renewal of this permit on official Division forms. Upon receipt of the request, the Division will review the adequacy of the facilities described therein, and if warranted, will renew the permit for such period of time and under such conditions and limitations as it may deem appropriate. Please note Rule 15A NCAC 02T .0105(d) requires an updated site map to be submitted with the permit renewal application. [15A NCAC 02U .0106, 02U .0109]

II. PERFORMANCE STANDARDS

1. The subject reclaimed water facilities shall be effectively maintained and operated at all times so there is no discharge to surface waters, nor any contravention of groundwater or surface water standards. In the event the facilities fail to perform satisfactorily, including the creation of nuisance conditions due to improper operation and maintenance, or failure of the utilization areas to adequately assimilate the reclaimed water, the Permittee shall take immediate corrective actions including Division required actions, such as the construction of additional or replacement reclaimed water generation and utilization facilities. [G.S. 143-215.1, 143-213.3(a)]
2. This permit shall not relieve the Permittee of their responsibility for damages to groundwater or surface water resulting from the operation of this facility. [15A NCAC 02B .0200, 02L .0100]
3. Effluent limitations for generated reclaimed water shall not exceed those specified in Attachment A. [15A NCAC 02U .0300]
4. Application rates shall not exceed those specified in Attachment B. [15A NCAC 02U .0401(g), 02U .0402(m)]
5. The following shall be requirements for the reclaimed water utilization facilities:
 - a. All reclaimed water valves, storage facilities and outlets shall be tagged or labeled to warn the public or employees that reclaimed water is not intended for drinking. Where appropriate, such warning shall inform the public or employees to avoid contact with reclaimed water.
 - b. All reclaimed water piping, valves, outlets and other appurtenances shall be color-coded, taped or otherwise marked to identify the source of the water as being reclaimed water.
 - i. All reclaimed water piping and appurtenances shall be either colored purple (i.e., Pantone 522) and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER – DO NOT DRINK" or be installed with a purple (i.e., Pantone 522) identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - ii. Identification tape shall be at least three inches wide and have white or black lettering on purple (i.e., Pantone 522) field stating "CAUTION: RECLAIMED WATER – DO NOT DRINK." Identification tape shall be installed on reclaimed water pipelines in a visible manner, fastened at least every 10 feet to each pipe length and run continuously the entire length of the pipe.
 - iii. Existing underground distribution systems retrofitted for the purpose of distributing reclaimed water shall be taped or otherwise identified as noted above. This identification need not extend the entire length of the distribution system, but shall be incorporated within 10 feet of crossing any potable water supply line or sanitary sewer line.
 - c. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation by authorized personnel only.
 - d. Hose bibs shall be located in locked, below grade vaults that shall be labeled as being of non-potable quality. As an alternative to the use of locked vaults with standard hose bib services, other locking mechanisms such as hose bibs which can only be operated by a tool may be placed above ground and labeled as non-potable water.

[15A NCAC 02U .0403]

6. No direct cross-connections shall be allowed between reclaimed water and potable water systems, unless such connection has been approved by the Department pursuant to 15A NCAC 18C .0406. [15A NCAC 02U .0403(f)]
7. Reclaimed water distribution lines shall be located at least 10 feet horizontally from and 18 inches below any water line where practicable. Where these separation distances cannot be met, the piping and integrity testing procedures shall meet water main standards in accordance with 15A NCAC 18C. [15A NCAC 02U .0403(h)]
8. Reclaimed water distribution lines shall not be less than 100 feet from a well unless the piping and integrity testing procedures meet water main standards in accordance with 15A NCAC 18C, but in no case shall they be less than 25 feet from a private well or 50 feet from a public well. [15A NCAC 02U .0403(i)]
9. Reclaimed water distribution lines shall be located at least two feet horizontally from and 18 inches above any sewer line where practicable. Where these separation distances cannot be met, the piping and integrity testing procedures shall meet water main standards in accordance with 15A NCAC 18C. [15A NCAC 02U .0403(j)]
10. The compliance and review boundaries are established at the property boundary. Any exceedance of standards at the compliance or review boundary shall require action in accordance with 15A NCAC 02L .0106. [15A NCAC 02H .0219(k)(1)(C)(i)(III)]
11. The Permittee shall apply for a permit modification to establish a new compliance boundary prior to any sale or transfer of property affecting a compliance boundary. [15A NCAC 02L .0107(c)]
12. No wells, excluding Division approved monitoring wells, shall be constructed within the compliance boundary except as provided for in 15A NCAC 02L .0107(g). [15A NCAC 02L .0107(d)]
13. Except as provided for in 15A NCAC 02L .0107(g), the Permittee shall ensure any landowner who is not the Permittee and owns land within the compliance boundary shall execute and file with the Chatham County Register of Deeds an easement running with the land containing the following items:
 - a. A notice of the permit and number or other description as allowed in 15A NCAC 02L .0107(f)(1);
 - b. Prohibits construction and operation of water supply wells within the compliance boundary; and
 - c. Reserves the right of the Permittee or the State to enter the property within the compliance boundary for purposes related to the permit.

The Director may terminate the easement when its purpose has been fulfilled or is no longer needed.

[15A NCAC 02L .0107(f)]

14. The facilities permitted herein shall be constructed according to the following setbacks:
 - a. The setbacks for reclaimed utilization sites shall be as follows (all distances in feet):
 - i. Surface waters not classified SA: 25
 - ii. Surface waters classified SA: 100
 - iii. Any well with exception to monitoring wells: 100
 - b. The setbacks for treatment units shall be as follows (all distances in feet):
 - i. Any well with exception of monitoring wells: 100
 - ii. Any property line: 50
- [15A NCAC 02U .0701]

III. OPERATION AND MAINTENANCE REQUIREMENTS

1. The reclaimed water generation and utilization facilities shall be properly maintained and operated at all times. The facilities shall be effectively maintained and operated as a reclaimed water system to prevent the discharge of any reclaimed water or partially treated effluent resulting from the operation of this facility. [15A NCAC 02T .0108(b)(1)]
2. The Permittee shall maintain an Operation and Maintenance Plan, which at a minimum shall include the following:
 - a. Description of the system in sufficient detail to show what operations are necessary for the system to function and by whom the functions will be conducted;
 - b. A map of all distribution lines and record drawings of all utilization systems under the Permittee's control;
 - c. Description of anticipated maintenance activities;
 - d. Include provisions for safety measures including restriction of access to sites and equipment; and
 - e. Spill control provisions including response to upsets and bypasses including control, containment, remediation, and contact information for plant personnel, emergency responders and regulatory agencies.

[15A NCAC 02U .0801]
3. Upon the Water Pollution Control System Operators Certification Commission's (WPCSOCC) classification of the subject non-discharge facilities, in accordance with 15A NCAC 08G .0200 the Permittee shall designate and employ a certified operator in responsible charge (ORC) and one or more certified operator(s) as back-up ORC(s). The ORC or their back-up shall visit the facilities in accordance with 15A NCAC 08G .0200, and shall comply with all other conditions specified in the previously cited rules. [15A NCAC 02U .0117]
4. An operator certified by the Water Pollution Control System Operators Certification Commission (WPCSOCC) of a grade equivalent or greater than the facility classification shall be on call 24 hours per day. [15A NCAC 02U .0401(e), 02U .0402(i)]
5. A suitable year round vegetative cover shall be maintained on irrigation sites at all times, such that crop health is optimized, allows for even distribution of reclaimed water, and allows inspection of the irrigation system. [15A NCAC 02T .0108(b)(1)]
6. Adequate measures shall be taken to prevent reclaimed water ponding in or runoff from the irrigation sites. [15A NCAC 02T .0108(b)(1)]
7. Irrigation shall not be performed during inclement weather or when the ground is in a condition that will cause ponding or runoff. [15A NCAC 02T .0108(b)(1)]

8. All reclaimed water irrigation equipment shall be tested and calibrated at least once per permit cycle. Calibration records shall be maintained at the facility for a period of no less than five years, and shall be made available to the Division upon request. [15A NCAC 02T .0108(b)(1)]
9. The turbidimeter shall be tested and calibrated at a minimum of once per year. Calibration records shall be maintained at the facility for a period of no less than five years, and shall be made available to the Division upon request. [15A NCAC 02T .0108(b)(1)]
10. Only reclaimed water generated at the Jordan Lake Business Park Association WWTF shall be utilized in accordance with this permit. [G.S. 143-215.1]
11. An automatically activated standby power source capable of powering all essential treatment units shall be on site and operational at all times. If a generator is employed as an alternate power supply, it shall be tested weekly by interrupting the primary power source. [15A NCAC 02U .0402(h)]
12. Public access to the reclaimed water generation facilities shall be prohibited. [15A NCAC 02U .0402(f)]
13. Public access to reclaimed water utilization sites shall be controlled during active site use. Such controls may include the posting of signs showing the activities being conducted at each site. [15A NCAC 02U .0501]
14. Diversion or bypassing of untreated or partially treated wastewater from the treatment facilities is prohibited. [15A NCAC 02T .0108(b)(1)]
15. A protective vegetative cover shall be established and maintained on all earthen embankments (i.e., outside toe of embankment to maximum allowable temporary storage elevation on the inside of the embankment), berms, pipe runs, erosion control areas, and surface water diversions. Trees, shrubs, and other woody vegetation shall not be allowed to grow on the earthen dikes or embankments. Earthen embankment areas shall be kept mowed or otherwise controlled and accessible. [15A NCAC 02T .0108(b)(1)]
16. The Permittee shall develop and implement an education program to inform users (including employees) about the proper use of reclaimed water. Educational material shall be provided to all residents and/or other facilities provided with reclaimed water, and these materials shall be maintained consistent with the reclaimed water uses. All educational materials shall be made available to the Division upon request. [15A NCAC 02U .0501(a)(4)]
17. The Permittee shall provide notification to the public and/or employees about the use of reclaimed water, and that reclaimed water is not intended for drinking. Such notification shall be provided to employees in a language they can understand. [15A NCAC 02U .0501]
18. The Permittee shall develop and maintain a training and certification program about the use of reclaimed water for toilet flushing for maintenance employees and appropriate contracted personnel who will be involved in plumbing repairs. The educational material shall include information about prevention of cross connections during plumbing repairs and/or modifications. [15A NCAC 02U .0501(c)]
19. The residuals generated from the wastewater treatment facilities shall be disposed or utilized in accordance with 15A NCAC 02T .1100. The Permittee shall maintain a residual management plan pursuant to 15A NCAC 02U .0802. [15A NCAC 02T .1100, 02U .0802]

IV. MONITORING AND REPORTING REQUIREMENTS

1. Any Division required monitoring (including groundwater, plant tissue, soil and surface water analyses) necessary to ensure groundwater and surface water protection shall be established, and an acceptable sampling reporting schedule shall be followed. [15A NCAC 02T .0108(c)]
2. A Division certified laboratory shall conduct all laboratory analyses for the required effluent, groundwater or surface water parameters. [15A NCAC 02H .0800]
3. Flow through the reclaimed water generating facility shall be continuously monitored, and daily average flow values shall be reported on Form NDMR. Flow may be estimated from water use records, provided the Permittee's water use is metered. Daily average flow values shall be calculated by dividing the monthly metered water usage by the number of days in the month. [15A NCAC 02T .0105(k)]
4. The Permittee shall monitor the reclaimed water from the generating facility at the frequencies and locations for the parameters specified in Attachment A. [15A NCAC 02T .0108(c)]
5. The Permittee shall maintain adequate records tracking the amount of reclaimed water utilized. Records shall be maintained for a minimum of five years. At a minimum, these records shall include the following information for each utilization site listed in Attachment B:
 - a. Date of reclaimed water utilization;
 - b. Volume of reclaimed water irrigated or utilized;
 - c. Site irrigated or utilized;
 - d. Length of time site is irrigated or utilized;
 - e. Continuous weekly, monthly, and year-to-date hydraulic (inches/acre) loadings;
 - f. Weather conditions; and
 - g. Maintenance of cover crops.[15A NCAC 02T .0108(c)]
6. A record shall be maintained of all residuals removed from this facility. This record shall be maintained at the facility for a period of no less than five years, and shall be made available to the Division upon request. At a minimum, this record shall include:
 - a. Name of the residuals hauler;
 - b. Non-Discharge permit number authorizing the residuals disposal, or a letter from a municipality agreeing to accept the residuals;
 - c. Date the residuals were hauled; and
 - d. Volume of residuals removed.[15A NCAC 02T .0108(c)]
7. A maintenance log shall be maintained at this facility. This log shall be maintained at the facility for a period of no less than five years, and shall be made available to the Division upon request. At a minimum, this log shall include:
 - a. Visual observations of treatment plant and plant site;
 - b. Date of calibration of flow measurement device(s);
 - c. Date of calibration of turbidimeter;
 - d. Date and results of power interruption testing on alternate power supply;
 - e. Record of preventative maintenance (e.g., changing/adjusting of equipment, pump and valve maintenance, cross connection control, testing, inspections and cleanings, etc.; and
 - f. Record of all unpermitted releases of reclaimed water to surface water or land surface including date of occurrence, estimated volume of release, cause, and corrective action taken.[15A NCAC 02T .0108(b)(1)]

8. Three copies of all effluent monitoring data and reclaimed water distribution data (as specified in Conditions IV.3. and IV.4.) shall be submitted on Form NDMR for each PPI listed in Attachment A. Reporting forms shall be submitted on or before the last day of the following month. If no reclaimed water distribution activities occurred during the monitoring month, monitoring reports documenting the absence of the activity are still required to be submitted. All effluent monitoring data shall be submitted to the following address: Division of Water Resources, Information Processing Unit, 1617 Mail Service Center, Raleigh, North Carolina, 27699-1617. [15A NCAC 02T .0105(1)]
9. Three copies of all operation and utilization records (as specified in Condition IV.5.) shall be submitted on Form NDAR-1 for every non-conjunctive utilization site listed in Attachment B. (Note: conjunctive use sites do not require NDAR-1 submission). Reporting forms shall be submitted on or before the last day of the following month. If no reclaimed water utilization activities occurred during the month, monitoring reports are still required documenting the absence of the activity. All information shall be submitted to the following address: Division of Water Resources, Information Processing Unit, 1617 Mail Service Center, Raleigh, North Carolina, 27699-1617. [15A NCAC 02T .0105(1)]

10. Noncompliance Notification:

The Permittee shall report by telephone to the Raleigh Regional Office, telephone number (919) 791-4200, as soon as possible, but in no case more than 24 hours, or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

- a. Treatment of wastes abnormal in quantity or characteristic, including the known passage of a hazardous substance.
- b. Any process unit failure (e.g., mechanical, electrical, etc.), due to known or unknown reasons, rendering the facility incapable of adequate wastewater treatment.
- c. Any failure resulting in a discharge of reclaimed water directly to surface waters or any unpermitted release of reclaimed water to land surface greater than or equal to 5,000 gallons. Unpermitted releases less than 5,000 gallons to land surface shall be documented by the Permittee in accordance with Condition IV.7.f. but do not require Regional Office notification.
- d. Any time self-monitoring indicates the facilities permitted herein have gone out of compliance with the limitations contained in this permit.
- e. Ponding in or runoff from the reclaimed water utilization sites.

Any emergency requiring immediate reporting (e.g., discharges to surface waters, imminent failure of a storage structure, etc.) outside normal business hours shall be reported to the Division's Emergency Response personnel at telephone number (800) 662-7956, (800) 858-0368, or (919) 733-3300. Persons reporting such occurrences by telephone shall also file a written report in letter form within five days following first knowledge of the occurrence. This report shall outline the actions taken or proposed to be taken to ensure the problem does not recur. [15A NCAC 02T .0108(b)(1)]

V. INSPECTIONS

1. The Permittee shall provide adequate inspection and maintenance to ensure proper operation of the reclaimed water generation and utilization facilities. [15A NCAC 02T .0108(b)]
2. The Permittee or their designee shall inspect the reclaimed water generation and utilization facilities to prevent malfunction, facility deterioration and operator errors resulting in discharges, which may cause the release of wastes to the environment, a threat to human health or a public nuisance. The Permittee shall maintain an inspection log that includes, at a minimum, the date and time of inspection, observations made, and any maintenance, repairs, or corrective actions taken. The Permittee shall maintain this inspection log for a period of five years from the date of the inspection, and this log shall be made available to the Division upon request. [15A NCAC 02T .0108(b)]
3. Any duly authorized Division representative may, upon presentation of credentials, enter and inspect any property, premises or place on or related to the reclaimed water generation and utilization facilities permitted herein at any reasonable time for the purpose of determining compliance with this permit; may inspect or copy any records required to be maintained under the terms and conditions of this permit, and may collect groundwater, surface water or leachate samples. [G.S. 143-215.1]

VI. GENERAL CONDITIONS

1. Failure to comply with the conditions and limitations contained herein may subject the Permittee to an enforcement action by the Division in accordance with North Carolina General Statutes 143-215.6A to 143-215.6C. [G.S. 143-215.6A to 143-215.6C]
2. This permit shall become voidable if the permitted facilities are not constructed in accordance with the conditions of this permit, the Division approved plans and specifications, and other supporting documentation. [15A NCAC 02T .0110]
3. This permit is effective only with respect to the nature and volume of wastes described in the permit application, Division approved plans and specifications, and other supporting documentation. No variances to applicable rules governing the construction or operation of the permitted facilities are granted, unless specifically requested and approved in this permit pursuant to 15A NCAC 02T .0105(n). [G.S. 142-215.1]
4. The issuance of this permit does not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances, which may be imposed by other jurisdictional government agencies (e.g., local, state, and federal). Of particular concern to the Division are applicable river buffer rules in 15A NCAC 02B .0200; erosion and sedimentation control requirements in 15A NCAC Chapter 4 and under the Division's General Permit NCG010000; any requirements pertaining to wetlands under 15A NCAC 02B .0200 and 02H .0500; National Pollutant Discharge Elimination System (NPDES) requirements under 15A NCAC 02H .0100, and documentation of compliance with Article 21 Part 6 of Chapter 143 of the General Statutes. [15A NCAC 02T .0105(c)(6)]
5. In the event the permitted facilities change ownership or the Permittee changes their name, a written permit modification request shall be submitted to the Division. This request shall be made on official Division forms, and shall include appropriate property ownership documentation and other supporting documentation as necessary. The Permittee of record shall remain fully responsible for maintaining and operating the facilities permitted herein until a permit is issued to the new owner. [15A NCAC 02T .0104]
6. The Permittee shall retain a set of Division approved plans and specifications for the life of the facilities permitted herein. [15A NCAC 02T .0108(b)(1)]
7. The Permittee shall maintain this permit until all permitted facilities herein are properly closed or permitted under another permit issued by the appropriate permitting authority. [15A NCAC 02T .0105(j)]

8. This permit is subject to revocation or unilateral modification upon 60 days notice from the Division Director, in whole or part for the requirements listed in 15A NCAC 02T .0110. [15A NCAC 02T .0110]
9. Unless the Division Director grants a variance, expansion of the permitted facilities contained herein shall not be granted if the Permittee exemplifies any of the criteria in 15A NCAC 02T .0120(b). [15A NCAC 02T .0120]
10. The Permittee shall pay the annual fee within 30 days after being billed by the Division. Failure to pay the annual fee accordingly shall be cause for the Division to revoke this permit. [15A NCAC 02T .0105(e)(3)]

Permit issued this the 15th day of June 2018

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION


Linda Culpepper, Interim Director
Division of Water Resources
By Authority of the Environmental Management Commission

Permit Number WQ0011777

PPI 001 – Reclaimed Water Generation System Effluent

EFFLUENT CHARACTERISTICS		EFFLUENT LIMITS				MONITORING REQUIREMENTS		
PCS Code	Parameter Description	Units of Measure	Monthly Average	Monthly Geometric Mean	Daily Minimum	Daily Maximum	Measurement Frequency	Sample Type
00310	BOD, 5-Day (20 °C)	mg/L	10			15	4 x Year ¹	Grab
50060	Chlorine, Total Residual	mg/L			0.5		Weekly	Grab
31616	Coliform, Fecal MF, M-FC Broth, 44.5 °C	#/100 mL		14		25	4 x Year ¹	Grab
50050	Flow, in Conduit or thru Treatment Plant	GPD	1,200				Monthly	Estimate
00610	Nitrogen, Ammonia Total (as N)	mg/L	4			6	4 x Year ¹	Grab
00625	Nitrogen, Kjeldahl, Total (as N)	mg/L					4 x Year ¹	Grab
00620	Nitrogen, Nitrate Total (as N)	mg/L					4 x Year ¹	Grab
00600	Nitrogen, Total (as N)	mg/L					4 x Year ¹	Grab
00400	pH	su					Weekly	Grab
00665	Phosphorus, Total (as P)	mg/L					4 x Year ¹	Grab
00530	Solids, Total Suspended	mg/L	5			10	4 x Year ¹	Grab
00076	Turbidity, HCH Turbidimeter	NTU				10	Continuous	Recorder

1. 4 x Year sampling shall be conducted in February, May, August, and November.

NON-CONJUNCTIVE LAND APPLICATION SITES

Jordan Lake Business Park Association – Jordan Lake Business Park Association WWTF

IRRIGATION AREA INFORMATION							APPLICATION LIMITATIONS			
Zone	Owner	County	Latitude	Longitude	Net Acreage	Dominant Soil Series	Parameter	Hourly Rate	Yearly Max	Units
1	Jordan Lake Business Park Association	Chatham	35.755263°	-79.008917°	0.34	Creedmoor – Green Level Complex	01284 – Non-Discharge Application Rate	0.2	48	inches
Totals					0.34					

ONSITE CONJUNCTIVE USES 1

Jordan Lake Business Park Association – Jordan Lake Business Park Association

Site ID	Location Name	Owner 2	County	Latitude	Longitude	Approved Use	Parameter
1	Jordan Lake Business Park	Barnes Andrew Sheridan	Chatham	35.755746°	-79.008361°	Toilet flushing	
2	Jordan Lake Business Park	Swift Creek Property Management, LLC	Chatham	35.755572°	-79.008176°	Toilet flushing	
3	Jordan Lake Business Park	Miller Property Management, LLC	Chatham	35.755504°	-79.008418°	Toilet flushing	
4	Jordan Lake Business Park	Faget George	Chatham	35.755290°	-79.008243°	Toilet flushing	
5	Jordan Lake Business Park	Worthington Nathalie Trustee	Chatham	35.755135°	-79.008084°	Toilet flushing	
6	Jordan Lake Business Park	Beech Hill, LLC	Chatham	35.755390°	-79.008038°	Toilet-flushing	







Notes:

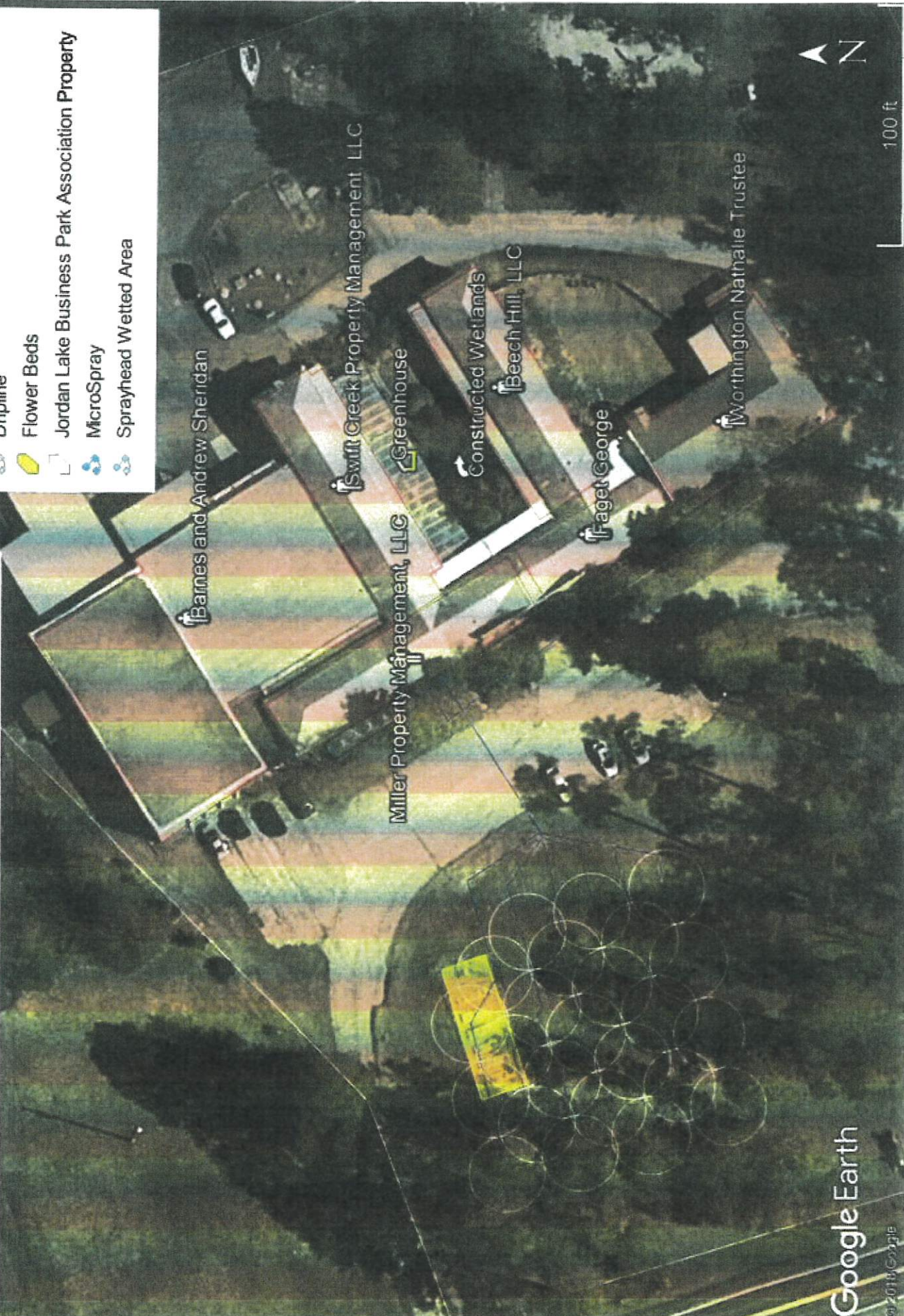
- Utilization records for these sites are not required to be reported on Form NDAR-1.
- Per the addendum to the Declarations of the Jordan Lake Business Park Association revised on April 7, 2018, an agreement exists between these owners and Jordan Lake Business Park Association to maintain the reclaimed water toilet flushing in their building (see attached).

Figure 1: Jordan Lake Business Park Association

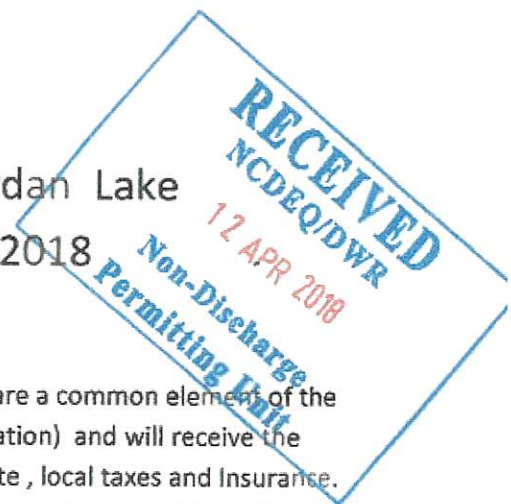
WQ0011777

Legend

-  Building Owner
-  Dripline
-  Flower Beds
-  Jordan Lake Business Park Association Property
-  MicroSpray
-  Sprayhead Wetted Area



Addendum to the Declarations of the Jordan Lake Business Park Association - Revised 4/7/2018



The entire wastewater treatment, collection, and disposal system are a common element of the Jordan Lake Business Park Association, (hereafter referred to as the Association) and will receive the highest priority for expenditures by the Association along with Federal, State, local taxes and Insurance. The system will be properly maintained and operated in conformity with law and the provisions of the permit for construction, operation, repair and maintenance of the system and facilities.

The wastewater disposal system will be maintained out of the common expenses. In order to assure that there shall be funds readily available to repair, maintain, or construct the disposal system beyond the routine operation and maintenance expenses, the Association shall provide that a fund be created out of the common expenses. Such fund shall be in addition to the routine maintenance fund allocated for the facility.

The Association will be responsible for all repairs, maintenance, finances and any fees associated with its use. This all encompassing responsibility will include each aspect of the system; such as all related plumbing, pump stations, treatment/storage, and including interior building items such as toilets and related signage. If any point in the system is damaged or defective it shall be repaired or replaced at the expense of the Association.

In the event that the Wastewater facility fund is not adequate for the repair or construction of the disposal system that is needed, the Association will make special assessments to cover such necessary costs.

If a wastewater collection system and /or disposal facility provided by any city, town, etc. becomes available to serve this development, the Association will take such action necessary to cause the existing and future wastewater of the development to be accepted and discharged into said governmental system. The Association shall not enter into voluntary dissolution without first having transferred its system to some person, corporation or entity acceptable to and approved by the Commission by the issuance of a permit.

With regard to the roofing system that the Association maintains, and realizing that the entire structure exists on one floor, individual unit holders will be responsible for their own roofs except to the extent that the work needed is a shared expense through shared roofing structures. In those cases individual unit holder will work together and/or with the Association to determine a fair distribution of expenses. The exception to this understanding is the roofing of the common areas, which will be maintained by the Association and expensed according to allocated interests of ownership, as in the case of the wastewater disposal system.