

21-00084

July 6, 2021

Honorable Kenneth Hill Chairman Public Utility Commission 502 Deaderick Street, 4th floor Nashville, TN 37243

RE: Petition to Amend Certificate of Convenience and Necessity

Dear Chairman Hill,

Aqua Green Utility Inc. desires to expand its service area to include a portion of Williamson County in Tennessee known as the Williamson County Recreation Center to be located on Bethesda Road near the intersection of Hwy 431. The attached Petition is in support of our request. A tariff sheet of our current commercial rate and other documentation is included for your consideration.

Aqua Green Utility Inc. has the financial capabilities to provide wastewater service for the Williamson County Recreation Center. Currently the financial surety provided by Aqua Green Utility Inc. is in the form of a letter of credit, rather than a bond. It should be noted that the amount is in excess of the minimum we are currently required to maintain. Also, an important consideration is that the letter of credit is fully backed by a certificate of deposit in which the utility collects interest, helping keep the rates down for our customers.

Aqua Green Utility Inc. has the technical expertise needed to operate the Williamson County Recreation Center. I have obtained a State of Tennessee Grade 1 Wastewater Collection System Operator License and a State of Tennessee Biological/Natural Operator Treatment System Operator License. Through our affiliate company, we have designed and will construct a treatment plant that is the same type of operation as our other plants.

Aqua Green Utility Inc. has the managerial capability to operate the Williamson County Recreation Center. The utility has successfully operated since July 2009 with no complaints from our customers. Our surety amounts have steadily increased. We have a established a billing system in which each payment and envelope is scanned to eliminate mistakes as much as possible and verify payments if needed. Our treatment plants report problems to our technicians and report data to a central computer. If a plant does not report that information, an email is sent to our technicians. This type of management system assures that even if a plant has a total failure, we will know and take appropriate action in a timely fashion.

There is a need for our service since there is no municipal sewage available in this area. The Mayor of Williamson County has requested Aqua Green Utility to provide service to the recreation center. Aqua Green Utility would like to include the capitol contribution amount of \$319,485.00 which includes the sewer treatment plant and the lift station. We have included the contracts that show the land will be titled to Aqua Green Utility before work begins.

Thank you for your consideration.

Sincerely

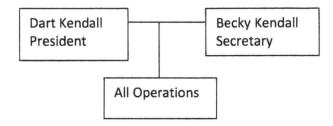
Dart Kendall, President Aqua Green Utility Inc.



General Information:

Aqua Green Utility Inc. A Tennessee "C" Corporation 865-908-0432 3350 Galts Road Acworth, GA 30102 Website: aquagreenutility.com

Aqua Green Utility Inc. has 2 officers

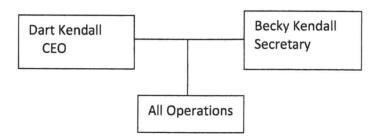


Dart Kendall President

Dart Kendall owns 50% of Aqua Green Utility Inc. 770-966-7772 3350 Galts Rd Acworth, GA 30102

Becky Kendall Secretary

Becky Kendall owns 50% of Aqua Green Utility Inc. 770-966-7772 3350 Galts Rd Acworth, GA 30102 Dart Kendall and Becky Kendall own 50% each of Advanced Septic Inc. Advanced Septic Inc is a private corporation that contracts with the owner to build the treatment plant. Aqua Green Utility Inc. does not pay any monies to Advanced Septic Inc. for any part of the construction of the plant. After the plant is complete, Aqua Green Utility Inc. subcontracts some of the work for the operation of the plant to Advanced Septic Inc. Advanced Septic Inc. will do quarterly TDEC required water testing or repairs as needed.



Aqua Green Utility Inc. has no assumed names.

The Bethesda Road Williamson County Recreation Center will be located near the corner of Lewisburg Pike and Bethesda Road in Williamson County, Tennessee. A physical address has yet to be assigned. Lat 35-47' 20.19" N - Longitude -86 49' 59.66" W. There are currently no structures built to be serviced by this plant. This plant addition will be built as phase 2. The plant's name is Bethesda Road. The approximate site acreage is 59 acres for the Fairhaven Subdivision and 44.22 acres for the Williamson County Recreation Center addition. The entire plant and drip fields will be on the Fairhaven site. Aqua Green Utility Inc. will be responsible for the system from the lift station located on the property line. The Recreation Center will be responsible for all sewer piping and any needed grease traps on their property. The approximate utility owned acreage will be 5 acres.

The type of wastewater plant to be built is a trickling filter type. This will be a Programmable Logic Controller with custom software. The treated wastewater will be disposed of through drip irrigation. The plant is designed for 14,700 gallons per day or .0147 MGD. This addition will add an additional 18,490 gallons per day, with a total of .0331 MGD. The construction of phase one is expected to start as soon as the title to the land is transferred. Phase 2, the Recreation Center, is expected to start within one week of receiving approvals. It is estimated to take 120 days to build this plant and 45 more days to build phase 2. The developer plans for completion in the 1st qtr. of 2022. We expect the wastewater plant to be put in service in the 2nd qtr. of 2022. Once complete, the plant will be put in service as soon as the first home is completed and sold. When enough sewage has entered the plant, we will start operation, 49 lots are planned.

This plant will be built in 2 phases, 49 Homes are phase 1 and the Recreation Center is Phase 2.

The developer for this project is Bethesda Road LLC (Kenneth R Green, 615-429-1610, kengreen@me.com), best mailing address is Suite # 105, 8119 Isabela Ln, Brentwood Tennessee 37064. The site superintendant has yet to be assigned. The developer is paying for the addition of phase 2, then he will be reimbursed by Williamson County.

Aqua Green Utility Inc has no franchise agreement with Williamson County.

Managerial Ability

Dart Kendall, president, has 38+ years owning his own business. In the state of TN he holds a BNS sewage treatment plant operators license and a sewage collection system operators license. Also he holds a Georgia Sewer treatment plant operators license.

Rebecca Kendall, secretary, has 22+ years in the wastewater business and 16 years prior to that working as a merchandising manager for Milliken and Co. in which she managed several different divisions. She is also a 1980 graduate of Clemson University who graduated with honors.

Aqua Green Utility is certified as a wastewater provider in the state of TN.

Aqua Green Utility does not have any pending mergers or acquisitions.

Advanced Septic Inc., the party contracted to install the proposed system, has a valid and current contractor's license by the applicable licensing board of the State of TN. Dart Kendall holds a Collection Systems 1 license, included.

For any technical questions or concerns, please contact Dart Kendall at 865-908-0432.

Aqua Green Utility reported one permit violation to TDEC on the Loves McNairy plant for the first BOD reading in the first quarter of operation. The plant has since met required standards. A recent TDEC plant inspection is included. It is expected for a fixed film plant (type required by TDEC) to take time to grow the microbial load necessary to treat larger loads. The truck stop hit it's full load in a few weeks. Even then, the BOD reading was 3 times less than a standard septic tank and all water was injected into the drip field soil. Normally subdivisions take many months to reach flows of any size, so we don't expect to see a surge in pollutants like would be expected at a truck stop.

A engineering report is included.

This information is from my CPA

It would be considered nonresidential real estate, which is depreciated over 39 years. The first year the rate depends on what month it goes into service, but after the first year it's 2.564% (ie \$10.174). See this table for year 1 and year 40 rate (from pub 946):

Table A-Ta Nonresidential Real Property Mid-Month Convention Straight Line—39 Years

Year		Month property placed in service										
rear	1	2	3	4	5	6	7	8	9	10	11	12
1		244	2021	1.615	4 (1)	- 10	1 1	100	*43	100	0.871	
9	1000		1 700	100	y 5504	100	200	1000	10.44	100	1814	100
10	110			7 47	100				2-610			. 4

The cost of the plant will be paid by the developer. The plant and drip fields will already be deeded to the utility, per the Bethesda subdivision contract. These details and how capitol contribution cost for federal taxes and state taxes will be calculated at the time of payment and are included within the confidential contract.

We have included a confidential letter of credit surety and escrow account.

We have 2 commercial customers, 15 monthly and 147 annual access fee customers.

The Developer will pay for all construction of the system and then the Utility will assume operations. Costs are listed in the confidential contract.

SOP application is included.

We do not have any bonding requirements.

The developer and Williamson County is the only funding source for this project.

Sincerely

Dart Kendall, President Aqua Green Utility Inc. Search...

Williamson County Online Internet Mapping

Navigation Tasks Analysis









Zoom Out Initial View

Zoom In



Point



- Zones
- 2013 Zoning Designations
- 1988 Zoning Designations
- Vote Centers
- 5
- Parcels
- Parcel Numbers
- Parcel Acreage

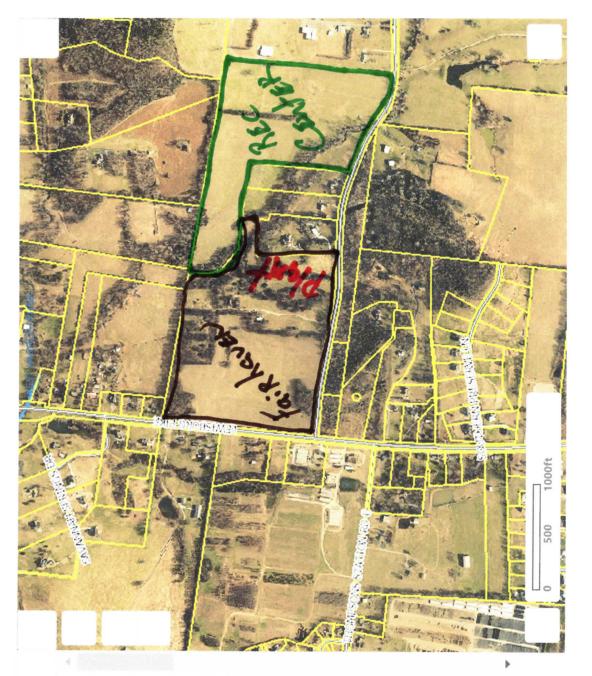
Subdivision Name

S

Parcel Dimensions

2

- Lot Numbers 8
- Lot Acreage







Tools & Features Demonstration Site



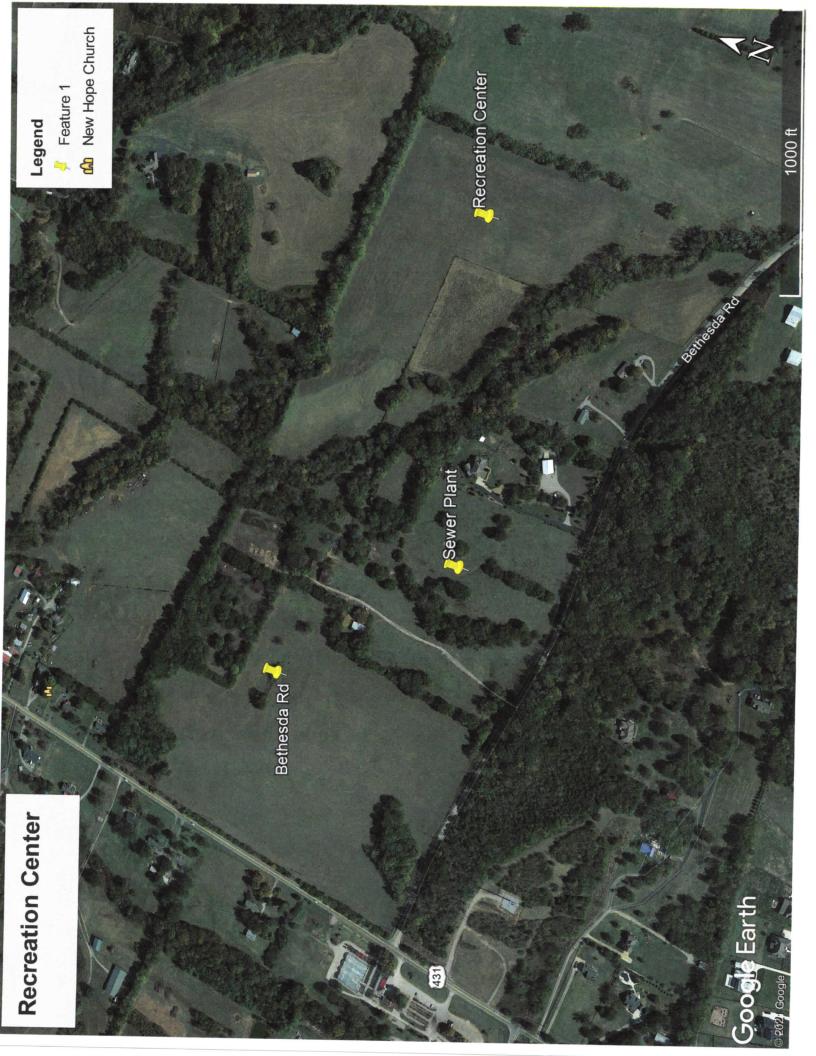
BRENTWOOD THOMPSONS STATION SPRING HILL THOMPSONS ST. TION FRANKLIN MAJOR COLLECT OR MINOR COLLECT OR LOCAL STREETS MAJOR ARTERIA MINOR ARTERIA Corporate Limits UNCLASSIFIED BRENTWOOD NOLENSVILLE SPRING HILL INTERSTATE Miscellaneous FRANKLIN **FAIRVIEW** Exemptions NO NAME Centerlines ACCESS Easement Conflicts AIRVIEW Parcels Notes Lines Parks L.:gend

C Lafitude Geographics Group Ltd.



Williams County Rec centert







4620 BEThESda Rd



Gravel Drive to SERVICE SEWER Facility

State of Tennessee

BOARD FOR LICENSING CONTRACTORS

CONTRACTOR

ADVANCED SEPTIC INC.

This is to cortify that all requirements of the State of Tennessee have been mot.

LIC STATUS: ACTIVE **ID NUMBER: 75143**

EXPIRATION DATE: July 31, 2022

\$500,0000.00; MU-A



DEPARTMENT OF COMMERCE AND INSURANCE

Control Number: J512809

STATE OF GEORGIA

Secretary of State

Corporations Division
313 West Tower
2 Martin Luther King, Jr. Dr.
Atlanta, Georgia 30334-1530

CERTIFICATE OF EXISTENCE

I, Brad Raffensperger, the Secretary of State of the State of Georgia, do hereby certify under the seal of my office that

ADVANCED SEPTIC, INC.

a Domestic Profit Corporation

was formed in the jurisdiction stated below or was authorized to transact business in Georgia on the below date. Said entity is in compliance with the applicable filing and annual registration provisions of Title 14 of the Official Code of Georgia Annotated and has not filed articles of dissolution, certificate of cancellation or any other similar document with the office of the Secretary of State.

This certificate relates only to the legal existence of the above-named entity as of the date issued. It does not certify whether or not a notice of intent to dissolve, an application for withdrawal, a statement of commencement of winding up or any other similar document has been filed or is pending with the Secretary of State.

This certificate is issued pursuant to Title 14 of the Official Code of Georgia Annotated and is prima-facie evidence that said entity is in existence or is authorized to transact business in this state.

Docket Number : 19216625 Date Inc/Auth/Filed: 08/12/1985 Jurisdiction : Georgia Print Date : 06/24/2020

Form Number : 211



Brad Raffersperger

Brad Raffensperger Secretary of State

Secretary of State Division of Business Services 312 Eighth Avenue North 6th Floor, William R. Snodgrass Tower Nashville, Tennessee 37243

DaviE: 10/27/08 REQUEST NUMBER: 6392-1554
TELEPHONE CONTACT: (615) 741-2286
FILE DATE/TIME: 10/24/08 1251
EFFECTIVE DATE/TIME: 10/24/08 1251 CONTROL NUMBER: 0589191

AQUA GREEN UTILITY, INC. 3325 BUCKHORN ROAD SEVIERVILLE, TN 37864

RE: AQUA GREEN UTILITY, INC. CHARTER - FOR PROFIT

CONGRATULATIONS UPON THE INCORPORATION OF THE ABOVE ENTITY IN THE STATE OF TENNESSEE, WHICH IS EFFECTIVE AS INDICATED.

A CORPORATION ANNUAL REPORT MUST BE FILED WITH THE SECRETARY OF STATE ON OR BEFORE THE FIRST DAY OF THE FOURTH MONTH FOLLOWING THE CLOSE OF THE CORPORATION'S FISCAL YEAR. ONCE THE FISCAL YEAR HAS BEEN ESTABLISHED, PLEASE PROVIDE THIS OFFICE WITH THE WRITTEN NOTIFICATION. THIS OFFICE WILL MAIL THE REPORT DURING THE LAST MONTH OF SAID FISCAL YEAR TO THE CORPORATION AT THE ADDRESS OF ITS PRINCIPAL OFFICE OR TO A MAILING ADDRESS PROVIDED TO THIS OFFICE IN WRITING. FAILURE TO FILE THIS REPORT OR TO MAINTAIN A REGISTERED AGENT AND OFFICE WILL SUBJECT THE CORPORATION TO ADMINISTRATIVE DISSOLUTION ADMINISTRATIVE DISSOLUTION.

WHEN CORRESPONDING WITH THIS OFFICE OR SUBMITTING DOCUMENTS FOR FILING, PLEASE REFER TO THE CORPORATION CONTROL NUMBER GIVEN ABOVE. PLEASE BE ADVISED THAT THIS DOCUMENT MUST ALSO BE FILED IN THE OFFICE OF THE REGISTER OF DEEDS IN THE COUNTY WHEREIN A CORPORATION HAS ITS PRINCIPAL OFFICE IF SUCH PRINCIPAL OFFICE IS IN TENNESSEE.

FOR: CHARTER - FOR PROFIT

315 W. PONCE DE LEON AVE. STE-810

DECATUR, GA 30030-0000

ACCOUNTING & TAX SPECIALISTS

ON DATE: 10/24/08

RECEIVED: \$100.00

\$0.00

TOTAL PAYMENT RECEIVED:

RECEIPT NUMBER: 00004490439 ACCOUNT NUMBER: 00580583



RILEY C. DARNELL SECRETARY OF STATE



Department of State

Corporate Filings
312 Eighth Avenue North
6th Floor, William R. Snodgrass Tower
Nashville, TN 37243

88-4417 (Rev. 9/04)

· CHARTER (For-Profit Corporation)



RDA 1678

The undersigned acting as incorporator(s) of a for-profit corporation under the provisions of the Tennessee Business Corporation Act adopts the following Articles of incorporation. 1. The name of the corporation is: AQUA GREEN UTILITY, INC. [NOTE: Pursuant to Tennessee Code Annotated § 48-14-101(a)(1), each corporation name must contain the words corporation, incorporated, or company or the abbreviation corp., inc., or co.] The number of shares of stock the corporation is authorized to issue is: 1000 3. The name and complete address of the corporation's initial registered agent and office located in the State of Tennessee is: Ronald Barnes (Name) 3325 Buckhorn Road Sevierville TN Sevier Address) (City) (State/Zip Code) (County) List the name and complete address of each incorporator: Charles Campbell 315 W Ponce de Leon Ave. Ste. 810 Decatur, GA. 30030 (Name) (Include: Street Address, City, State and Zip Code) (Name) (Street Address, City, State and Zip Code) (Neme) (Street Address, City, State and Zip Code) The complete address of the corporation's principal office is: 3325 Buckhorn Road Sevierville TN. 37864 (Street Address) (City) (State/County/Zip Code) 6. The corporation is for profit. if the document is not to be effective upon filing by the Secretary of State, the delayed effective date and time are: Date-, Time -(Not to exceed 90 days.) 8. Other provisions: None ctate 20, 2008 Signature Date Incorporator's Signature Incorporator's Name (typed or printed)

Filing Fee: \$100

Business Services Online > Find and Update a Business Record > Business Entity Detail

Business Entity Detail

Available Entity **Actions** File Annual Report (after 12/01/2021)

Certificate of Existence

More

Entity details cannot be edited. This detail reflects the current state

Printer Friendly Version

of the filing in the system.

Return to the Business Information Search.

Name: AQUA GREEN UTILITY, INC.

Status: Active

Formed in: TENNESSEE

Fiscal Year Close: December

Term of Duration: Perpetual

Principal Office: 3350 GALTS RD

ACWORTH, GA 30102-1132 USA

Mailing Address: 3350 GALTS RD

ACWORTH, GA 30102-1132 USA

AR Exempt: No Shares of Stock: 1.000

Initial Filing Date: 10/24/2008 **Delayed Effective Date:**

AR Due Date: 04/01/2022

Inactive Date:

Obligated Member Entity: No

Assumed Names

No Assumed Names Found...

History

Registered Agent

Name

Status

Expires

Engineering Report
Permit Modification
State Operating Permit
20016
WPN 20.0482

Bethesda Road Phase 2 – Rec. Center

Prepared For: Aqua Green Utility Inc.

Prepared By:



FES Consulting Bob Faulhaber - P.E. June 6, 2021

Project Description

The project is a new, recreational center in Williamson County, TN. The rec. center is being constructed adjacent to a proposed 49 lot subdivision on Bethesda Road. The Bethesda Road subdivision will be serviced by a decentralized wastewater system with drip dispersal of effluent in onsite soils. The subdivision is covered by State Operating Permit (SOP) 20016 (WPN 20.0482). The rec center wastewater will be treated by modification to this plant under this SOP. The alterations and additions to this SOP are described below.

Wastewater System Description

The system servicing the recreational center will include a septic/settling tank, equalization tank and trickle filter. The treated effluent will be pumped via a dosing tank at Phase 1 to the drip fields located in the Bethesda Road subdivision (Phase 1). A description of each component and the conveyance method for the effluent between the components is included below. Further detail is provided on the attached drawings as well.

- 1. Pump/Lift Station The untreated effluent from the recreational center will drain to a Duplex lift station. The lift station will be constructed of a 48" concrete manhole with duplex Goulds pumps (note 9). The pump station will pump the effluent to a bar screen on top of the settling/septic tank located near the treatment plant.
- 2. Settling/septic Tank The treatment plant will include a 50,000 gallon water tight concrete settling/septic tank for primary treatment and screening and settling of solids. Wastewater from the rec center will be pumped over a bar grate to remove large solids and trash from the wastewater prior to entering the tank. Screened solids and sludge from the primary tank will be pumped to a sludge tank that is a part of the phase 1 (WPN 20.0482) system. Effluent from the settling/septic tank will flow to an equalization tank via gravity PVC line with filter bags to screen additional (smaller) solids prior to the eq tank.
- 3. Equalization Tank A 50,000 gallon water tight concrete equalization tank will be used to balance high wastewater flows during peak use periods at the recreational center. Pumps in the equalization tank will pump effluent to the trickle filter for secondary treatment. The volume of the equalization tank will allow consistent flow distribution at the trickle filter.
- 4. Secondary treatment The proposed secondary treatment system is an attached growth (fixed film), trickling filter. The trickle filter will utilize manufactured media. The media will be placed in a poured in place concrete chamber approximately 9' deep to form the attached growth (fixed film) treatment unit. The system will include a 460 CFM fan. Anticipated BOD loading of 15 lbs/day requires approximately 50 CFM. Following treatment the effluent will gravity flow through a 6" PVC line to the dosing tank.
- 5. **Dosing Tank** Treated effluent will flow to the dosing tank that is a part of the phase 1 system permitted under WPN 20.0482.
- 6. **Drip Field** The drip field will be enlarged and moved to alternative soils to service both the Bethesda Road subdivision and the Recreational center. The drip irrigation field is divided into zones and each zone has a solenoid valve to allow the effluent to enter the zone. The PLC has a timer set for each zone to control flow. Once in the soil, the

microbes in the soil and plants uptake nutrients to complete the treatment process. Each zone has air vacuum breaker vents at the high points of the zone, so when effluent drains at the end of a pump cycle the soil and debris will not be drawn into the drip tube emitters. Each zone is connected to a return line through a one way check valve that goes back to a valve box located at the dosing tank. In the large valve box there is a normally closed motorized ball valve in the return pipe connected to the lower sewer inlet line. Once the system has stopped pumping the valve opens and the remaining effluent is returned to the pump tank.

The drip field will utilize 0.61 GPH Netafim drip tubing installed in the mapped Stiversville – Armour, Nolin-Armour and Swafford soils. Drip tubing will be installed at a depth of 7". The drip tubing will follow the ground contours to keep each line of drip tubing level and will be installed at 2' – 5' centers. The target spacing for the drip tubing will be 2' on center, but may be adjusted slightly to account for change in contour and slope (keeping the tubing level will take precedent over maintaining strict 2' spacing). Drip tube pacing will not exceed 5' (as required by Chapter 17 of the design guide) nor be less than 2 ft on center. Thirteen zones will be set up for the drip fields, for a total of 144,904 of soil provided (approximately 138,291 sf of soil is required).

Wastewater Flow

The wastewater flow rate is based on the TDEC standard 300 gpd/lot for residential use and anticipated usage at the recreational center. When built out the subdivision will include 49 residential lots for a total of 14,700 GPD. The recreational center will produce approximately 18,490 GPD.

Daily Flow - 33,190 GPD

Secondary Treatment System Design – subdivision (previously permitted)

Secondary treatment will be achieved through the use of a trickling filter. The trickling filter will utilize synthetic cross flow media. The media will be placed to a depth of 7' with a surface area of approximately 332 ft² and a volume of approximately 2,324 ft³. The synthetic media will provide approximately 48 ft²/ft³ of filter surface area (compared to 15 ft²/ft³ for rock media) for a total effective treatment area of approximately 111,552 ft². The minimum hydraulic loading rate will 44 GPD/ft². This places the system well within the loading rates for industry standard low rate trickling filters for municipal applications based on hydraulic loading rate and organic loading rate. Data for the trickling filter is provided below.

Influent flow rate (max)

Influent BOD

Filter Bed Area

Specific Area of filter media

Filter volume

Hydraulic Loading Rate*

- 14,700 GPD

- 120 mg/L

- 332 ft²

- 48 ft²/ft³

- 2,324 ft³

- 44 GPD/ft²

Organic Loading Rate** - 6.3 lb BOD5 /1000 ft3 day

Wetting Rate - 0.1 GPM/ft2

^{*}based on no recirculation and filter bed surface area

^{**}based on filter volume and 120 mg/l BOD (0.001 lb/g)

Secondary Treatment System Design – recreation center (permit modification)

Secondary treatment will be achieved through the use of a trickling filter. The trickling filter will utilize synthetic cross flow media. The media will be placed to a depth of 7' with a surface area of approximately 332 ft² and a volume of approximately 2,324 ft³. The synthetic media will provide approximately 48 ft²/ft³ of filter surface area (compared to 15 ft²/ft³ for rock media) for a total effective treatment area of approximately 111,552 ft². The minimum hydraulic loading rate will 56 GPD/ft². This places the system well within the loading rates for industry standard low rate trickling filters for municipal applications based on hydraulic loading rate and organic loading rate. Data for the trickling filter is provided below.

Organic Loading Rate** - 7.9 lb BOD5 /1000 ft3 day

Wetting Rate - 0.1 GPM/ft2

Soils

The Stiversville – Armour, Nolin-Armour and Swafford soils series will be used for drip dispersion.

Wastewater Soil Loading

Hydraulic Loading Rate

The design hydraulic loading rate for the soil is 0.25 GPD/SF

^{*}based on no recirculation and filter bed surface area

^{**}based on filter volume and 120 mg/l BOD (0.001 lb/g)

Nitrate Loading Rate

The Nitrate Loading Rate was calculated using Equation 17-2 from TDEC's *Design Guidelines* for Wastewater Dispersal Using Drip Irrigation. The precipitation, potential evapotranspiration, nitrogen fraction removed by denitrification/volatilization, and the maximum nitrate concentration in the leachate are all taken from chapter 16 of the TDEC regulations. The Annual Uptake Rate for Crops is based on trees, which will be planted in the drip field. A Spreadsheet with Nitrate Loading Calculations is attached to this report.

Lwn = 0.24 GPD/SF (see attached spreadsheet)

Design/Controlling Loading Rate

The design loading rate and required soil area is shown below

Soil Type	Controlling Loading Rate	Design Flow Rate	Required Soil Area
Stiversville – Armour, Nolin- Armour and Swafford soils	0.24 GPD/SF	33,190 GPD	138,291 SF



STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION JACKSON ENVIRONMENTAL FIELD OFFICE 1625 HOLLYWOOD DRIVE JACKSON, TENNESSEE 38305-4316 PHONE (731) 512-1300 STATEWIDE 1-888-891-8332 FAX (431) 661-6283

July 1, 2020

Mr. Dart Kendall
e-copy: dart@aquagreenutility.com
Aqua Green Utility, Inc.
3350 Galts Road
Acworth, GA 30102

RE:

Compliance Evaluation Inspection (CEI)
Aqua Green Utility, Inc. (McNairy Loves)
State Operating Permit SOP-16009

Henderson County

Dear Mr. Kendall:

On June 18, 2020 I performed a routine compliance evaluation inspection (CEI) at the above referenced facility in order to evaluate compliance with your State Operating Permit (SOP). Please see the sections below for details regarding the inspection.

I. Permit

The permit covers the treatment and subsurface disposal of wastewater from the Love's Travel Stop in Eastview, McNairy County, Tennessee. Effluent from the treatment system is disposed of using a three-zoned drip irrigation system located on site. The system capacity is rated at 0.006 MGD.

II. Records/Reports

A review of the facility's self-monitoring records was performed. Monitoring records were available upon request, consistently submitted to the local TDEC-DWR Environmental Field Office, accurately transcribed, complete and current. The lone exception being 1 missed BOD5 analysis caused by a receiving error at a contract laboratory.

III. Facility Site Review, Self-Compliance Program, Operations & Maintenance, and Sanitary Sewer Overflows

The plant process is described as a primary solids separator tank, fixed film trickle filter, sludge holding tank and fenced drip irrigation system. The treatment plant and drip irrigation system are both properly operated and maintained. The system is currently operated under the license of Dart Kendall, certification

Compliance Evaluation Inspection Aqua Green Utility, Inc. (McNairy Loves) 06/19/20 Page 2

level BNS. The plant has experienced no hydraulic or organic overloads since the development of a sufficiently thick biofilm on the reactor shortly after system startup.

IV. Flow Measurement

The effluent flow measurements are based on pump run times. Pump flows are periodically calibrated using a "timed run verses volume" method.

V. Laboratory

Self-monitoring samples are subcontracted to Pace Analytical. The subcontract laboratory was not evaluated as part of this inspection.

VI. Sludge Handling/Disposal (or Biosolids Handling/Disposal)

Septage is currently being pumped by Roger's Septic Service (Savannah TN) on an as need basis. Septage is disposed on the Roger's Septic approved land application site located on Hwy 203 in Savannah, TN.

VII. Additional Comments and Recommendations

Site inspections are currently being conducted by the operator at least every 14 days. Results of these inspections are document on the monthly operations report and submitted to the Jackson Environmental Field Office. Additionally, the plant is continuously monitored by a real-time internet-based telemetry system. Please be advised that changes to monitoring frequency may be approved by the division upon submittal of an operating and maintenance inspection schedule in accordance with the general requirements of the permit.

VIII. Conclusion

Compliance with the requirements of the SOP helps ensure there will be no unpermitted discharge of wastewater to any surface stream or other location where it is likely to enter surface waters. Thank you for your efforts to ensure permit compliance and protect state water quality. If I may be of assistance in matters concerning this report, please contact me via telephone at (731) 512.1312 or via email at bradley.e.smith@tn.gov.

Sincerely,

Bradley Smith

Environmental Consultant I Division of Water Resources

Bushy E. Smith

Jackson Environmental Field Office

cc: Conner Franklin, DWR Program Coordinator, JEFO (via email)

Tammy Miller, DWR Jackson EFO (via email)

Anastasia Sharp, DWR Land-Based Systems Unit, Nashville (via email)



CN 1251 (Rev. 03-19)

Division of Water Resources William R. Snodgrass - Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, Tennessee 37243-1102 (615) 532-0625

APPLICATION FOR A STATE OPERATION PERMIT (SOP)

Type of application: New Permit	Permit Reissuance	Permit Mod	ification	
to the provisions of Tennessee Code Annotated Sec Water Quality Control Board.)	ction 69-3-108 and Reg	ulations of		
Permittee Agua Green Utility Inc. Name Agua Green Utility Inc. (applicant): 3350 Galts Rd Acworth GA 30102				
Permittee Address: 3350 Galfs Rd Acwort				
Official Contact: Dart Kendall	Title or Position:	rÉSID EM	v+	
Mailing Address: 3350 Galts Rd	City: Acworth	State:	Zip: 30/02	
Phone number(s): 865 908 6432	E-mail: dart@ago			
Optional Contact:	Title or Position:			
Address:	City:	State:	Zip:	
Phone number(s):	E-mail:			
Apprication certification (must be signed in accordance with the requirements of Kule 0400-40-0505) I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and				
imprisonment for knowing violations. As specified in this declaration is made under penalty of perjury.	in Tennessee Code Anr	notated Se	ction 39-16-702(a)(4),	
Name and title; print or type Oart Kendall President Signature 5 4 2021				

(continued)

RDA 2366

Permit Number: 5	SOP-
------------------	------

Engineering Report (require	d for collection systems	and/o	r land application	N/A
Prepared in accordance wind Design Criteria for Sewage Attached, or	th Rule 0400-40-0503 ar <u>Works</u>	nd Sect	ion 1.2 of the State of	Tennessee
Previously submitted and e			ed? 🗌 Yes. Date:	☐ No
Operation and Maintenance Ir			ada Vas Datas	□ N-
		Approv	ed? Yes. Date:	No
Wastewater Collection Syste	m:		11	N/A
System type (i.e., gravity, low p	ressure, vacuum, combir	ation,	etc.):	1: P. Suc
System Description: Rec Gra	uity to lift sta	tion	to treatment ?	lant
Describe methods to prevent a failures, equipment failures, he	and respond to any bypas	ss of tre	eatment or discharges	(i.e., power
In the event of a system failure	describe means of oper	ator no	tification: PLC Ema	dé text
List the emergency contact(s)				
For low-pressure systems, who or grinder pumps (list all conta	is responsible for maint	enance	of STEP/STEG tanks a	
	*	***************************************	865- 908 -	0432
Approximate length of sewer (e	excluding private service	lateral)	: Force Main 1100)′
Number/hp of lift stations:	1 13 HPN	lumbei	r/hp of lift pumps	2 1 3HP
Number/volume of low pressu	re and or grinder pump	tanks	NA /	
Number/volume septic tanks			50,000 Ballons	
Attach a schematic of the collection				
If this is a satellite sewer and y	ou are tying in to anothe	r sewei	system complete the	following
section, listing tie-in points to the necessary):	ne sewer system and the	ir locat	ion (attach additional :	sheets as
Tie-in Point	<u>Latitude (xx.xxxx°</u>)	Longitude (xx.	vvvv°)
		£ .	Longitude (XX.	<u> </u>

Permit Number:	SOP-
----------------	------

Facility Identifica	ation:		Existing Permit
Facility Name: BEThE	sda Rd		County: William SON
Facility Address or		1	Latitude: 35 °47 ′ 22,90 A
Location:			
	e to nearest receiving wa	iters: 400' West Harpeth R:	Longitude: (6°58′ 20.92
numbers:	or Federal Water/Wastew	ater Permits have been obtained for	r this site, list their permit
Name of company	or governmental entity t	hat will operate the permitted system	m: Agua Green Utility
Operator address:	3350 Galts Rd	Acworth GA 3010	2
Has the owner/ope	erator filed for a Certifica	te of Convenience & Necessity (CCN)	or an amonded CCN
with the rennessee	e Regulatory Authority (T	RA) (may be required for collection s	ystems and land
application treatme	ent systems)? X Yes	No I N/A	
If the applicant list	ed above does not yet ov	vn the facility/site or if the applicant	will not be the operator
capiani now and w	nen trie ownership will b	e transferred or describe the contra	ctual arrangement and
i chewai terris or tr	ie contract for operation	S.	
Land will	BE transfurred	before construction	hear !
combiere rue totton	ing information explaining	ng the entity type, number of design u	units and daily design
			anics, and daily design
Entity Type	Number	of Design Units	Flow (gpd)
City, town or county	No. of connections:		The state of the s
Subdivision	No. of homes: 49	Avg. No. bedrooms per home:	3 300
School	No. of students:	Size of cafeteria(s):	3 300
		No. of showers:	
Apartment	No. of units:	No. units with Washer/Dryer hookup	DS:
		No. units without W/D hookups:	
Commercial Business	No. of employees:	Type of business:	
Industry	No. of employees:	Product(s) manufactured:	
Resort	No. of units:	(-) Manadada Ca.	
Camp	No. of hookups:		
RV Park	No. of hookups:	No. of dump stations:	
Car Wash	No. of bays:	,	
Other	Recircation Conter	3	18 490
Subdivision	frequency of activities that REC CEN	result in wastewater generation.	10,770

Permit Number: SOP
Land Application Treatment System:
Type UI Lann Application T
Type of treatment facility preceding land application (recirculating media filters, lagoons, other Attach a treatment schematic Attach a treatment schemati
etc.): Trick is Filler Preceding land application (recirculating modia site
Attach a treatment schematic. Attached
Describe Attached
failures, equipment failures.
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): PLC notify OPERATOR Name of Developer for the
Name of Davids
Developer and Developer for the project: Bethred a Pl
For land phone number: 54.4E 105 8119 Tolland
Name of Developer for the project: Bethes da Rd LLC Developer address and phone number: 50.4E 105 8119 Isabela LN, Brentwood TN For land application, list: Proposed acreage involved: 3 Acres
Inches/week and/sa file 3 Acres 37064
is wastewater disinfection proposed?
Describe land application
Yes Describe land application area access: Fenced No Describe how access to the land application
to the land application area will be read in
information) Website
the location of the project including guardent a six inch by six inch minimum sizes
Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing longitude in decimal degrees should also be included. Scaled layout of facility showing the following to some the following to some the following the
Scaled layout of facility of the street of t
Wastewater collections and the following: lots building
application area(s), roads, property bound to pretreatment system location, the pre-
application area(s), roads, property boundaries, and sensitive areas such as streams, lakes, Soils information for the proposed land.
springs, wells, wellhead protection areas, sinkholes and wetlands. Soils information for the proposed land disposal area in the form of a Water Resources Soils information should include soil depth (borings).
Information should include soil don't the information should be included in the information should be inform
Profile description f
Topographic man as a surface of refusal) and soil
nan ten foot contours
Topographic map of the area where the wastewater is to be land applied with no greater bescribe alternative application methods based on the following priority rating: (1) isposal system as regulated by the priority connection to a municipal/public sewer system, (2) connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a segment of the system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to a system as regulated by the priority connection to the system as regulated by the priority connection to the system as regulated by the priority connection to the system as regulated by the priority connection to the system as regulated by the priority connection to the system as regulated by the system as rea
ormection to a music in the fall of the fa
Isposal system as regulated by the Disconnection to a converti
onnection to a municipal/public sewer system, (2) connection to a conventional subsurface oplication.

Form	Permit Number: SOP
For Drip Dispersal Systems Only: Unless of	therwise detarming the
tracking number and will be authorized as .14(2) and upon issue of a State Operating F Construction Approval by the Department. The area of review (AOR) for each Drip Dispersal Systems area lying within a under 0400-45-0609 of the Drip Dispersal Systems within the area. Attach to this part of the action of the population and present and dispersal description of all past and present flow direction and general water quality. A general description of the population and commercial, residential or mixed) Nature of injected fluid to include physical, characteristic map all groundwater withdrawal present dispersal commercial, residential or mixed. If groundwater is used for drinking water with topographic map all groundwater withdrawal present drinking water systems. Or supply map showing drinking water systems. Or supply map showing drinking water systems. Or supply map showing drinking water systems is located within a well area (this can be obtained from the water proving the proposed system is located within a well designated by Rule 0400-45-0134, show the both Description of system, Volume of injected fluid by monitoring well.	P Application, will be issued an UIC Permit by Rule per UIC Rule 0400-45-06- Permit and Sewage System Describe the following: Ispersal System shall, unless otherwise specified by a one mile radius or an area defined by using calculation of the site or facility, and shall include, but not be limited subsurface geology, and general demographic and cultured of the application a general characterization of the AC of the application and general characterization of the AC of the application and general characterization of the AC of the application and general groundwater are cultural development within the AOR (i.e. agricultural, memical, biological or radiological characteristics.
ip and maur:	a detion materials
on system cannot be served by public sewer: nce to the nearest manhole where public sewer sewer service will be available:	r service is available:
ne of holding tank:	
ssee licensed septage hauler (attack	
e and Longitude (in decimal degrees) of approve e methods to prevent and respond to any bypa pment failures, heavy rains, ato)	nce letter):
e methods to previous degrees) of approv	Ved manhole for discharge of septage: ass of treatment or discharges (i.e., power failures,
to prevent and race	mole for discharge of

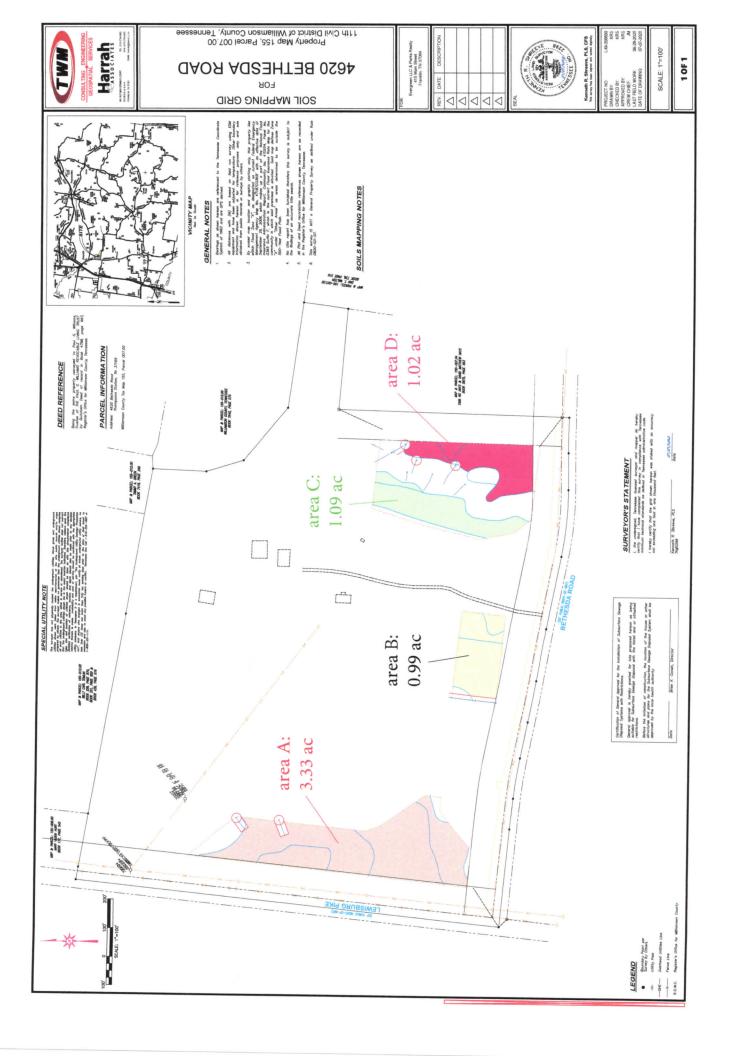
N 1251 (Rev. 03-19)

Permit Number:	SOP-
----------------	------

Holding Ponds (for non-domestic wastewater only):	X N/A
Pond use: Recirculation Sedimentation Cooling Other (describe):	7 14/7
Describe pond use and operation:	
If the pond(s) are existing pond(s), what was the previous use?	
Have you prepared a plan to dispose of rainfall in excess of evaporation?	□ No
If so, describe disposal plan:	No
Is the pond ever dewatered? Yes No	
If so, describe the purpose for dewatering and procedures for disposal of wastewas	ater and/or
ls(are) the pond(s) aerated? Yes No	
Volume of pond(s): gal. Dimensions:	
Is the pond lined (Note if this is a new pond system it must be lined for SOP coverage	
otherwise, you must apply for an Underground Injection Control permit 3	
Describe the liner material (if soil liner is used give the compaction specifications):	_ No
see and compaction specifications):	
Is there an emergency overflow structure? Yes No	
If so, provide a design drawing of structure.	
Are monitoring wells or lysimeters installed near or around the control of the second state of the second	
If so, provide location information and describe monitoring protocols (attach additiona necessary):	No If sheets as

Permit	Number:	SOP
--------	---------	-----

Mobile Wash Operations:		[\forall 1
Individual Operator	Fleet Operation Operator	X N/A
Indicate the type of equipment, vehicle operations (check all that apply):	le, or structure to be week at the	
operations (check all that apply):	e, or structure to be washed during	normal
Cars	Darking Latter	
Trucks	Parking Lot(s): sq. ft.	
Trailers (Interior washing of dump-tra	Windows: sq. ft.	
or tanks, is prohibited.)	Structures (describe):	
Other (describe):		
Wash operations take place at (check a	all that applied	
Car sales lot(s)		
Private industry lot(s)	Public parking lot(s)	
County(ies), list:	Private property(ies)	
Wash equipment description:	Statewide	
Truck mounted		
Rinse tank size(s) (gal.):	Trailer mounted	
Collection tank size(s) (gal.):	Mixed tanks size(s) (gal.):	
ressure washer:	Number of tanks per vehicle:	
	psi (rated) gpm (rated)	
acuum system manufacturer/model:	electric	
escribe any other method or system	Vacuum system capacity: inc	hes Hg
escribe any other method or system used	d to contain and collect wastewater:	
st the nublic sewer system.		
st the public sewer system where you are waste wash water (include a copy of the	permitted or have written permission t	o dischar
	berningsion letteri.	odischarge
e chemicals pre-mixed prior to arriving		
arr soans, determente or other	rhamias Yes No	100
ditional sheets as necessary):	nemicals used in the wash operation	(attach
Chemical name		
Ivial	nutacturer: Primary CAS No. or	Product No.



TDEC - DWR Soil Pedon Description Form

Comic Novad DA/QC By: Tern House		SOP # (office use only):	Drainage Class: Wall	Ground Water or Water Table:	10	1		Latitude/Longitude (Center of soil area).	donne	
20 Described By:	Site Name & Location: Williams Vies Betheda Pd	Stop or Pit #: Cewter 02-4 R3	Soll Series: Stire, Sville	Soil Control Section:	Parent Material: 1795: de. w	Climate: Transi C	Slope of Map Unit: 850	Geomorphic Description: Up a c.	Physiographic Location: Nashville Basin	Additional Notes:

	Soil Horizon Notes										ý			
	ure	Туре	0		Sp. 12	Sik		-	SOR	1/2/2	Jan	Spk	11/1/1	Xanlman.
	Soil Structure	Size	4.5	-	M	-	22	5001	200	ž		2	2	
		Grade	112	1		N		_		7	2	١	1	
escription	Soil Texture	Soil Texture						_		U	0		٠)	
Soil Pedon Description	Depth to Low Chroma Mottles													
S	Depletions/Concentrations Redox/Mottles, etc.												Common love 6/3	
	Matrix Color													
	Depths (inches)	(0.0	5.8		8. 2		12-18	(8-74	24-34-		34-29	
	Horizon	_	AR	Apr		AB	4	40	100	- + -	the to	(Car Car	

TDEC - DWR Soil Pedon Description Form

LORWise Norrad DA/ACBY: Pro House	SOP # (office use only):	Drainage Class: Mod. Well	Ground Water or Water Table: Nove	Erosion: Moleo to 5/10/	Land Cover: Mixed graces & woods	Slope of Pit:	Latitude/Longitude (Center of soil area):	
Site Name & Location: Williams Pray Rell C	+	Soil Control Section; Place loaking	Parent Material: G VYV IV VESI CON	Climate: + Let 141, C	Slope of Map Unit:	Geomorphic Description: 4(vre Ca	Physiographic Location: \mathcal{N} \mathcal{R}	Additional Notes:

			COLL TIOTION NOTES						5/19/1 billi	(promote from the)	d nodolos
		ure	Туре	34/5/26	SPIC	3/95	Spik	Jas	Spir	Z	
		Soil Structure	Size	4	13.7	10.	Pr.	M	· W	3	3
			Grade	2/1	N	2	-	N	2	2	2
Soil Pedon Description	Indiana	Soil Texture		3.	52	5:1	V.	6.1	0	0	
Soil Pedon	Donth to	Low Chroma Motties									
		Depletions/Concentrations Redox/Mottles, etc.							Commen 1048 49	613	
	, PA	Color							2		
	Depths	(inches)	4-0	8.8	2 -14	14:19	19.24	74-78	46-82	34:40	
	*	Horizon	1 d	A 87	42	74	18	四四	Pyty	Para	

TDEC - DWR Soil Pedon Description Form

*** *** *** *** *** *** *** **	Leving Norwell	County: Will in user	SOP # (office use only):	Drainage Class: JAP /	Ground Water or Water Table:		Land Cover: M. x o J o	Slope of Pit:	Latitude/Longitude (Center of soil area);	
Date: 7/1/20		Stop or Pit # 3 (K2 - 1 12.2)	Soll Series: Am I move Similarilla	on: fire loomy	Parent Material: all Upidin / Vesidum	Climate: Le fusi C	Slope of Map Unit: 5-15 6 3	Geomorphic Description: Lettere 100	Physiographic Location:	Additional Notes:

		Sail Horizan Notes								
		- 1	3.15bk	Sple	SUL	She	spl	Sple	sbl	1
	Soil Garage	Size	7/4	Ž	h	m	M	hi	¥.	2
		Grade	2/1	7		-	7	N	2)
Description	Sail Texture		155	25	15	21.	Sid	2:01	10	
Soil Pedon [-	Sallo						-	-	
	Depletions/Concentrations Redox/Mottles, etc.									
	Matrix Color									
	(inches)	8-5	5-12	12.11	17.71	52-1	5-33	3-40	1749	
	Horizon	Apr	Aya	AB	-		372 2	Mrs 3	146	
		Depths Matrix Depletions/Concentrations Low Chroma Soil Texture	Depths Matrix Depletions/Concentrations linches) Color Redox/Mottles, etc. Mottles Grade Size	Depths (inches) Color Redox/Mottles, etc. 8 Soil Pedon Description Depth to Depth to Redox/Mottles, etc. Mottles Soil Texture Soil Structure Anottles Soil Texture Soil Structure Soil Structure Soil Structure Soil Structure Soil Structure Soil Structure	Depths (inches) Color Redox/Mottles, etc. 8 Soil Texture Soil Structure 8 Soil Texture Soil Structure 9 - 5 7 - 12 8 Soil Texture Soil Structure 8 Soil Texture Soil Structure 9 Soil Texture Soil Structure 8 Soil Texture Soil Structure 9 Soil Texture Soil Structure 8 Soil Texture Soil Structure 7 Soil Texture Soil Structure 8 Soil Texture Soil Structure 7 Soil Texture Soil Structure 8 Soil Texture Soil Structure 7 Soil Texture Soil Structure 8 Soil Texture Soil Structure 7 Soil Texture Soil Structure 8 Soil Texture Soil Structure 8 Soil Texture Soil Structure 7 Soil Texture Soil Structure	Depths (inches) Color Redox/Mottles, etc. 8 - 5 7 - 12 12 - 17 13 - 14 14 - 17 15 - 17 17 - 21 17 - 21 18 - 55 19 - 50	Depths (inches) Matrix Color Depletions/Concentrations Redox/Mottles, etc. Depth to Pepth t	Depths (inches) Matrix (inches) Depth to Color Depth to Redox/Mottles, etc. Depth to Mottles Color Redox/Mottles, etc. Depth to Color Redox/Mottles, etc. Apple Type 17. 21 7. 17 7. 17 7. 17 31/5 Mr 21. 22 7. 17 7. 17 7. 17 7. 17 21. 23 7. 17 7. 17 7. 17 7. 17 22. 23 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18 7. 18 25. 3 7. 18 7. 18 7. 18<	Oepths (inches) Matrix Color Depletions/Concentrations (uw Chroma) Soil Texture Soil Structure Soil Structure 7 - 12 Mottles Size Type 17 - 21 Size Type 21 - 25 Size Type 22 - 33 Size Type 25 - 37 Size Type Size Type Type Size Type Type Size Type	Depths Matrix Depthtons/Concentrations Color Redox/Mottles, etc. Mottles Sil Texture Soil Structure Sil Texture Sil Texture Soil Structure Sil Texture Sil Tex

county: Williamson	SOP # (office use only):	Drainage Class: (Je.)	Ground Water or Water Table: New	Erosion: Nove the street	Land Cover: Wirked an co		Latitude/Longitude (Center of soil area):		
Site Name & Location: Will Jalus Prop / Belles dr. Pd.	4	Soil Series: VOLIN	Soil Control Section: +we Sifty	Parent Material: Ollurum	Climate: frank	Slope of Map Unit: 0 - 5 %	Geomorphic Description:	Physiographic Location: Nosteville Bush	Additional Notes:

											-
	Soil Horizon Notes										
	ıre	Tvne	95/201	Shle	sk.le	No.	100	201	Shk	56k.	
	Soil Structure	Size	7 14	5/m	Z	1			£ .	ξ.	
		Grade	1/12	1/2	_	0	-	-	-	_	
escription	Soil Texture		5.	_		-	· ·	1 1 1 1	57.6	5:0	
Soil Pedon Description	Depth to Low Chroma	Moties									
	Depletions/Concentrations Redox/Motifies. etc.										
	Matrix Color										
	Depths (inches)		0-3	3- 2	8.13	13-18	18-32	32-36	34-39	39.44+	
	Horizon		No	Agr	118	BA	Ab	Swbi	Bube	Bubs	

Norrod OA/QC By: Terry Henry County: Williamson	SOP # (office use only):	Drainage Class: \\/ \/ /	Depth to Ground Water or Water Table: 100 M.C.	Erosion: None to slight	Land Cover Mixed grosses + Weeds	Slope of Pit: 7%	Latitude/Longitude:		
Date: July 1, 2020 Described By: Lonnie Norrod Road Name:	Stop or Pit #: 5 (Between C3+ D3)	soil Series: STIVEYSVI / P.	Soil Control Section: 1, ne - 100 my	Parent Material: Nesiculum	Climate: Mermin	Slope of Map Unit: $5 - 15\%$	Geomorphic Description: Uplana	Physiographic Location: Ng Shv, 1/e Basin	Additional Notes:

	Soil Horizon Notes									
4	ure	Type	GR	SBK	m SRK	SBK	SBK	ABK/SBK	SBK	
	Soil Structure	Size	F/m	M	M	8		m	M	
		Grade		0	2	2	N	^		
escription	Soil Texture		5101 3	7215	7218	7019	77	GR-CL	70	
Soil Pedon Description	Depth to Redox	Depletions								
	Redox Color(s) Depletions/Concentrations									
	Matrix									
	Depths (inches)		4-0	11-11	11-17	17-23	23-27	27-37	37-42	
	Horizon		Apl	Apz	BA	84	275	1873	24	

Lenn's Noney Williamson	on	Ground Water of Water 1	Erosion: Never to 51/5ht		Slope of Pit:	Latitude/Longitude (Center of soil area):	
Site Name & Location: Williams Prop Bothsoln Described By: Low Stop or Pit #: 6 (L-K)	Soll Series: Strucksvill e	Soil Control Section:	Parent Material: Fesiouv'm	Map Unit:	Geomorphic Description: Up Crack	Physiographic Location: NB	Additional Notes:

	Soil Horizon Notes														
	ure	Туре	911/11	1 55h	3/1/2		2012		Spk	797		Spk	She	ark.	1.0
	Soil Structure	Size	1		by		3	-	1	Z		M	<u> </u>	3	
		Grade	113	. 1	N	2		3		2	2		0	N	-
Description	Soil Texture		77		_	_		0		2	-	3	U	١	-
Soil Pedon Description	Depth to Low Chroma Mottles														
	Depletions/Concentrations Redox/Mottles, etc.											The state of the s			
	Matrix Color														
	Depths (inches)	4	0	4.10		10-16	14.73		23-29		46.74	34.41		1- 454	
	Horizon	1	-	A 07	7.4	7	TA		Bla	10	172	177		3	

Described By: Lowie Nonell County: Will assess 4) SOPH (Office use only): Dialinage Class: Well Ground Water or Water Table: None Erosion: Nowe to Stight Land Cover: Mixed grasses & Wedls Slope of Pit: Lattude/Longitude (Center of soil area):	
Cation: Williams Pass 1 (G-4 & H-4 Nollin Alluvium Herman Terman Terman	(inches) Matrix Depletions/Concentrations Redox/Mottles, etc.
Site Name & Loca Stop or Pit #: * Soil Series: Soil Control Section Parent Material: Climate: Slope of Map Unit: Geomorphic Descrip Physiographic Locati Additional Notes:	Horizon

Jorrod QA/QCBY: Terry Henry	SOP # (office use only):	Drainage Class: 1/6//	Depth to Ground Water or Water Table: NOn C.	Erosion: None to sight	Land Cover, Mixed grasses & Weeds	Slope of Pit: 6%	Latitude/Longitude:		
10 1 2020 Williams Prop.	DV	Soil Series: J/Versv//	Soil Control Section: TIME - 10 anny	Parent Material: Kesiduum	Climate: / he/mic	Slope of Map Unit: 5 to 15%	Geomorphic Description: Upland	Physicgraphic Location: NGShville Bosin	Additional Notes:

			Soil Pedon Description	Description				
Horizon Depths (inches)	Matrix Color	Redox Color(s) Depletions/Concentrations	Depth to Redox Features	Soil Texture		Soil Structure	ure	Soil Herizon Notes
			Depletions		Grade	Size	Type	
Hp10-5				5/10/2			Th	
Apz 5-10				1015	0	3	707	
70		The same of the sa		1	7	111	NO.	The first of the sales where the sales are t
071/0-18				5/6/	1	W	SRK	
2to 18-27	7			100				And the second s
7 - 7				72/0	N	M	58X	
673 27-35				1	_	2	ABK/Con	
Rt11 25 11					+		YOC!	
11 20 11				77	_	W	SBK	
	-							
	and the same of th		_	_	_			

parol	SOP # (office use only):	Ground Water or Water Table:	Frosion: None to slight	Land Cover: Mixed 9 125565 Slope of Pit:	Latitude/Longitude (Center of soil area):	
Site Name & Location: Williams Pray / Bethelle Pl	Stop or Pit #: 9 (D-17 + D-18) Soll Series: Styleside	Soll Control Section: Fire- Loumy	Parent Material: residucing Climate:	1 1	Geomorphic Description: Upland Physiographic Location: Nashrill Bassin	Additional Notes:

		Soil Horizon Notes															,	
		ure	Tvop	-	1. (Sple	911.	Jias	-	SPK		Spl		Spk		SPK	117	2000	•
		Soil Structure	Size	a	3		Z.	,	2		ξ		3		3	Ç		
			Grade	117	2	1		1		1	1	1	1	1		4		
Soil Pedon Description		Sail Texture		1,5		\		_		\	,		1	11	5	5		
Soil Pedon	Donth to	Low Chroma Mottles																
		Depletions/Concentrations Redox/Mottles, etc.													And the first of t			
		Matrix Color									-							
		Depths (inches)	1	6 6	6-11		11-11	(7)	16 21	12-63		23-29	" "	4-36	1 40	20-14	,	
		Horizon		Lal		1102	, 0	104	14	12	7	Str		3	ni	4		-

De county: Williamson	SOP # (office use only):	Wat	Erosion; Modorado	Slope of Pit:	Latitude/Longitude (Center of soil area);	
Location: Williams and Believe	Soil Series:	Soil Control Section: The	13	Slope of Map Unit: $5 - 5 ^{\circ} _{\mathcal{O}}$ Geomorphic Description: $ 5 ^{\circ} _{\mathcal{O}}$	Physiographic Location:	Additional Notes:

		Soil Horizon Notes										1						
		ure	Туре	0 / 11	14/5/4	7	ZA.		SPL	17	790	1	ングス		206	1117	SOL	
		Soil Structure	Size	ä	4	-	W	2	74	-	٤	S.	-	-	3		3	
			Grade	1/2	2	1	3	2		2		9		0				
escription		Soil Texture		7		is		-		17		J		0		J		
Soil Pedon Description	Denth to	Low Chroma Mottles																
		Depletions/Concentrations Redox/Mottles, etc.																
		Matrix Color																
	:	Depths (inches)	8	000	1	3-1	13	1-10	11 11	9/221	1	16.25	70 20	2-22	CA - 1	25.70	,	
		Horizon	-	Gg.		1707		70		4	100	Str	. / 4	22	17	24		

County: Williamson	SOP # (office use only):	ater	Erosion: Modernie Land Cover: Mixed Ryasses & Weeds	Slope of Pit:	Latitude/Longitude (Center of soil area):	
7/1/20 Williams Pref	Soll Series: Hampshive	Soil Control Section: + we	Climate: + or m. C	Geomorphic Description: Lp law	Physiographic Location: Nogly-Ne Pasin	

		Soil Horizon Notes															,	
		ure	Tvne		25	7	17/500	7	201	-	Solu	- 17	Sple		Sok		abk	
		Soil Structure	Size	m/6	-	4		M	2.4		Z		Z		S		n	
			Grade	11,	1	17	١	2		0	1	C	1		-	-	-	0
Description		Sail Texture		_	.	_		C		7	-		2	()	C		v
Soil Pedon Description	Depth to	Low Chroma Mottles																
		Depletions/Concentrations Redox/Mottles, etc.													And the second s			
		Matrix Color																
	4400	(inches)		0-5	7	- 1	1	7	11 01	10-16	-	16-23	200	65-51	20 20	21-14	32-41	
		Horizon	4	ld L	7	170	74	-	_	10	DI	1212	五	_	200	-	ی	_

sde Pd. Course Morrod Courty Williamson	SOP # (office use only):	Drainage Class: $\mathcal{W}e/\!/$	Depth to Ground Water or Water Table: NON C	Erosion: None to Slight	Land Cover: Mixed grosses & Weede	Slope of Pit: 9%	Latitude/Longitude:		
Date: W. 2020 Described By: Property Name: Williams Prop (Bellussid	Stop or Pit #: [2 (] - 27)	Soil Series: STIVEYSVI //e	Soil Control Section: [Inc 109my	Parent Material: 1 6516 4 4 m	Climate: /hev.m.	Slope of Map Unit:	Geomorphic Description: Upland Footslop	Physiographic Location: Nashville Basis	Additional Notes:

			Soil Pedon Description	Description				
Horizon Depths (inches)	Matrix Color	Redox Color(s) Depletions/Concentrations	Redox	Soil Texture		Soil Structure	ure	Sail Harizan Nates
			Depletions		Grade	Size	Type	
4.0.4				_	2/1	F/m/	91/56/2	
12 4-10				_	2	M	Sbk	
A 10-16				ñ	2	17)	366	
				5.0	N	7.1	sbk	
91 25-28				12:5	2	5	3/12	
Br 28-38	Comprehensive and the second s			Sic	2	Ş	N -0 N	
43 58-45				0	2	12	10 X	The first deficiency of the additional contraction of the contraction

Morrod GARGEBY: Terry HEMY		SOP # (office use aniy):	Drainage Class: N/e //	Depth to Ground Water or Water Table: None	Erosion: None to slight	Land Cover: MIX & Grosses & Weeds	Slope of Pit: 9% (Latitude/Longitude:		
Date: July 2020 Described 84: Lennie Norrod	Road Name: Williams Prep Bethesda P.A.	Stop or Pit #: / S (C / C)	Soil Series: STIVEYSVI//C	Soil Control Section: TINC - 100 my	Parent Material: RESIGIMUM	Climate: /heym/c	Slope of Map Unit: $5-15\%$	Geomorphic Description: Upland Footslope	Physiographic Lucation: Nashville Basin	Additional Notes:

=
10
.0.
SCI
0
00
ed
0
Soi

Harizon De	Depths (inches)	Matrix Color	Redox Color(s) Depletions/Concentrations	Depth to Redox	Soil Texture		Soil Structure	Sure	Soil Horizon Nates
-				Depletions		Grade	Size	Fype	
010	3				_	0	u	SRK	
523	01				7	N	FIM	GR SBK	
10	0-15				7	N	M	SRK	
15.	15-19				7	N	M		
BA 19-	19-24				1218	N	M	SBK	THE STATE OF THE S
34, 24-29	29				77	N	m	58K	
2 29	29-38				77	_	N	SBK	
(N)	00				- Comment)			

Roy Henry			weeds					Soll Horizon Notes			4			
J.,			Moed graces & weeds		area);			ure	Type					
County: Williams on SOP # (office use only):	Ground Water or Water Table:		mxed		Latitude/Longitude (Center of soil area):			Soil Structure	Size					
County: Willing SOP # (office use only):	d Water or V	::	over:	of Pit:	e/Longitude				Grade	-				
County SOP #	Groun	Erosion:	Land Cover:	Slope of Pit:	Latitud	5	escription	Sail Texture						
Collection Page)						DISTIRRED	Soil Pedon Description	Low Chroma Mottles						
Prof Bettes a Re County: -29 - D-30 Center SOP#(0)					7.5%	1		Depletions/Concentrations Redox/Mottles, etc.						
Jillians URBED		7		UPlan	Noderthe Basis	Ham 10		Matrix Color						
	ırlal:	there) Unit:	Description:	c Location:	otes:		Depths (inches)		The state of the s				
Site Name & Location: Stop or Pit #: Soll Series: Soll Control Section:	Parent Material:	Climate:	Slope of Map Unit:	Geomorphic Description:	Physiographic Location:	Additional Notes:		Horizon						

Christ No 1828 DA/QC By: Terry Henry	SOP # (office use only): Drainage Class: \(\infty \alpha - \infty \)	Ground Water or Water Table: None Erosion: Modavale	Land Cover: Mixed gianses	Latitude/Longitude (Center of soil area):
Described By:	Soil Series: STIMES KILLE &	2 3	Slope of Map Unit: 5–15% Geomorphic Description:	Physiographic Location: NB

		Sail Horizon Notes									
		ure	Type	6	Sbk	Sbk	Sbh	366	36k	Sblc	Sbk.
		Soil Structure	Size	Ct-	3	n	M	M	M	W.	X m
			Grade	1/2	N	2	N	2	N	2	
Description		Sail Texture		1		61	0	12	5	C	Cley
Soil Pedon Description	Depth to	Low Chroma Mottles									
		Depretions/Concentrations Redox/Mottles, etc.									
	Matrix	Color									
	Depths	(inches)	8	10	9-14	14-10	10-76	26-31	B+4 31-24	BC 34-39+	
	*	Horizon	Aoi	And	34	五	13.	873	874	BC	

	County: Uillia	SOP # (office use only):	Drainage Class: Well	Ground Water or Water Table: \(\mathcal{LCMO} \)	Erosion: modorable	Land Cover: Mixed 9 rasses	Slope of Pit:	Latitude/Longitude (Center of soil area):	
Described By:	Location: Williams Prop Betaso	Stop or Pit #: (6 (7314 E-31)	Soll Control Section: The Soll Control Section:	2	Climate: Herwiz	Slope of Map Unit: 5 -15	Geomorphic Description: Up lay	Physiographic Location: \mathcal{NB}	Additional Notes:

		Soil Horizon Notes															
		ure	Tvpe	8	1 (36/6)		SOK	_	201	-	Shh	- 1-	26/2	11./11/2	John/ash	Š	
		Soil Structure	Size	2		٠.	٤	•	M		2		Ę	Z	1		
			Grade	17	1	N		1	1	1	7	1	7	-1	•	0	-
escription		Soil Texture		_	-	~		1		-))	Cran	200	J	
Soil Pedon Description	Danth to	Low Chroma Mottles															
	,	Depletions/Concentrations Redox/Mottles, etc.													Control of the Contro		
		Matrix Color															
		Depths (inches)		6- 5		3 - 1	,	1-10	10	17-01		21-27		25 22	77 134	26- 701	
		Horizon		MP	<	241	10	K	RI	25	_	A3		50	٤)	

Normal DAVACBY: Ten Homes	ameen	SOP # (office use only): Drainage Class: 1.2e.(/	Wat	miderate	Shower: Mixed grasses & weeks	Jackindon	continue/ Longitude (Center of soil area):	
0 191	17 (G-31)	8	+ 11	Thermize	5-1506	tion: upland	on: Nashinka Basis	
Date: 7/1/2	Stop or Pit #:	Soil Series:	Soil Control Section:	Climate:	Slope of Map Unit:	Geomorphic Description:	Physiographic Location:	Additional Notes:

		Soil Horizon Notes														,	
		ıre	Type	1 0	3~15blc		Spk		Spk	1.4	26/2	Chillin	UNIS64		36k		,
		Soil Structure	Size	6/	5		M	-	M		¥		M		٤		
escription			Grade	17	2	,	1	0	١	C	1	2		_	-		
		Sail Texture		120	100	1	210	;	510		510		250	111			
Soil Pedon Description	Depth to	æ															
		Depletions/Concentrations Redox/Mottles, etc.													THE RESIDENCE AND ADDRESS OF THE PERSON OF T		
		Color															
	Donths	(inches)	,	0-5	2	200	,	2	,	15-20		1573 20-26	. 00	8,5			
		Horizon	100	M	N	2000	77		22	24	20	1573	70	214			

No irred COUNTY: Terry Herry County: Williamson	SOP # (office use only): Drainage Class: [\Delta \textstyle \Delta \textstyle \De	Ground Water or Water Table: Nove	i.i.	Slope of Pit:	contract conglude (center of soil area):
Location: Wi	S S	Parent Material: Pesiplum	Climate: Terminity Colors of Map Unit: Colors	tion:	Physiographic Location: Mash rille Basin Additional Notes:

1	Γ			7			-	T-		_		т-			_	_		_
		Soil Horizon Notes				And the second s					\							
		ure	Tvoe	9/1/516	-47	242		711	2000	-	SOK	×1 1.	200	0/0	SPA			,
		Soil Structure	Size	4/2		K		3				Š		2		٤ .		
			Grade	1/2		1		1	1	6	3	_	1	_	1	C		
escription		Soil Texture		1		_		J	2	J) [Cherren		ل		
Soil Pedon Description	Depth to	Low Chroma Mottles																
		Depletions/Concentrations Redox/Mottles, etc.													And the second s			
		Color																
	Danthe	(inches)		0-3	0 0	2,0		4-8	(12- 14-55	1	12-21	12 20	00 11-14	2. 70	4/21		
		Horizon	-	API	A	1/2		5	1	5/2	1	613	70	20		١		



State of Tennessee

DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER RESOURCES

William R. Snodgrass - Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, Tennessee 37243-1102

June 22, 2021

Mr. Dart Kendall
President
Aqua Green Utility Inc.
e-copy: dart@aquagreenutility.com
3350 Galts Road
Acworth, GA 30102

Subject:

Notice of Complete Application and Public Notice Requirements

Permit No. SOP-20016 Aqua Green Utility Inc. Bethesda Road Subdivision Thompson's Station, Williamson County, Tennessee

Dear Mr. Kendall:

The Division of Water Resources (the division) acknowledges the receipt of a permit application in our office on June 10, 2021. Our review of the SOP permit application showed that you have submitted all the information required to initiate processing of the application. You are advised that this notice of complete application does not imply that the application will be approved or that a permit will be issued. Also, in accordance with rules of the Tennessee Department of Environment and Conservation, Division of Water Resources, Chapter 0400-40-5-.05 (2):

"This provision does not preclude the commissioner from later requesting additional material that subsequent to the notice of completeness is determined to be necessary for permit processing."

Since this is an application for an expanded discharge, please find attached a template of a public notice you must complete and post for a period of 30 days. This is required in accordance with Chapter 0400-40-5-.06 (1), which states:

"For an individual application for a new or expanded discharge, the applicant shall notify the public of the application by posting a sign near the point of entrance to such facility and within view of a public road. The sign shall contain provisions as specified by the commissioner. The sign shall be of such size that is legible from the public road. Also the sign shall be maintained for at least thirty days following submittal of the application to the division."

If you have questions, please contact the Nashville Environmental Field Office at 1-888-891-TDEC; or, at this office, please contact Ms. Anastasia Sharp at (615) 532-1508 or by E-mail at *Anastasia.Sharp@tn.gov*.

Sincerely,

Anastasia Sharp, E.I. Land-Based Systems

author Sharp

cc:

Permit File

Nashville Environmental Field Office



PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRAD RAFFENSPERGER

CORPORATIONS . ELECTIONS . LICENSING . CHARITIES

Georgia Online Licensing

Renew Your Current License

Apply for a New License

Apply to Reinstate Your License Request a Pocket Card or Wall Certificate

Mailing/Personal Address Change Your Business

Change Your Mailing Address

Logout

<<< Please select an option from the menu on the left <<<

NOTE: If you have started, but not completed your license application or renewal process, click the **Continue** link in the **Your Licenses** section below.

Dart A Kendall Name:

3350 Galts Road Address:

Acworth, GA 30102

Your Licenses

Active License License WW4-000178 Number: Profession: Water/Wastewater

Status:

Expires: 6/30/2023

4/9/2015

Issued:

License Profession: Water/Wastewater

License Withdrawn Status: Expires: Number: !ssned:

WATER AND WASTEWATER OPERATOR CERTIFICATION BOARD

ARTHRACTION CONTRACTOR mile feetile man in their . Its

NAME AND MAILING ADDRESS

Dart A Kendall 3350 Galts Road Acworth, GA 30102

STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION WATER AND WASTEWATER OPERATOR CERTIFICATION BOARD

I.D. NO. 3546

EXPIRATION DATE 12/31/2012

THIS IS TO CERTIFY THAT: Dart A Kendall

IS IN GOOD STANDING WITH THE BOARD FOR THE CLASSIFICATIONS LISTED:

BNS

CS1

CN-0770 (REV. 2-99)

State of Tennessee

Department of Environment and Conservation



Water and Wastewater Operator Certification Board Issues This

Certificate of Competency

ss Testimony That

Dart A. Kendall

has satisfactorily fulfilled the requirements set forth by the

Water and Wastewater Operator Certification Board

Grade I Wastewater Collection System Operator and is therefore, by these presents, entitled to recognition as a

In Witness Whereof, we have subscribed our names and affixed our Seal

Certificate No. 3546 Dated 5/5/2011

Attest

Commissioner. Recommended ground

State of Tennessee

Department of Environment and Conservation



Water and Wastewater Operator Certification Board

Issues This

Certificate of Competency

as Testimony That

Dart A. Kendall

has satisfactorily fulfilled the requirements set forth by the

Water and Wastewater Operator Certification Board

and is therefore, by these presents, entitled to recognition as a

Biological/Natural Operator

In Witness Whereof, we have subscribed our names and affixed our Seal

Certificate No. ******** Dated A May 07, 2009 Recommended

Approved

Attest Hout d. Let L

mmissioner.

CN-0756