

IN THE TENNESSEE PUBLIC UTILITY COMMISSION
AT NASHVILLE, TENNESSEE

IN RE:)
)
PETITION OF KING'S CHAPEL)
CAPACITY, LLC TO AMEND) DOCKET NO. 19-00043
SERVICE TERRITORY TO)
INCLUDE THE HILL PARCEL AND)
ROBERTS PARCEL FOR THE)
KING'S CHAPEL DEVELOPMENT)
IN WILLIAMSON COUNTY)

CONSUMER ADVOCATE'S FIRST DISCOVERY REQUEST
TO KING'S CHAPEL CAPACITY, LLC

To: Charles B. Welch, Jr., Esq.
Farris Bobango PLC
414 Union Street, Suite 1105
Nashville, TN 37219
Telephone: (614) 726-1200
Email: cwelch@farris-law.com

This First Discovery Request is hereby served upon King's Chapel Capacity, LLC (Company) pursuant to Rules 26, 33, 34 and 36 of the Tennessee Rules of Civil Procedure and Tenn. Comp. R. & Reg. 1220-1-2-.11. The Consumer Advocate Unit in the Financial Division of the Office of the Attorney General (Consumer Advocate) requests that full and complete responses be provided pursuant to the Tennessee Rules of Civil Procedure. The responses are to be produced at the Office of the Tennessee Attorney General and Reporter, Financial Division, Consumer Advocate Unit, War Memorial Building, 301 6th Avenue North, Nashville, Tennessee 37243, c/o Karen H. Stachowski, on or before 2:00 p.m. (CST), November 14, 2019.

PRELIMINARY MATTERS AND DEFINITIONS

1. **Continuing Request.** These discovery requests are to be considered continuing in nature and are to be supplemented from time to time as information is received by the Company and any of its affiliates which would make a prior response inaccurate, incomplete, or incorrect.

2. **Clear References.** To the extent that the data or information requested is incorporated or contained in a document, identify the document including page/line number if applicable.

3. **Format of Responses.** Provide all responses in the format in which they were created or maintained, for example, Microsoft Word or Microsoft Excel format with all cells and formulas intact and in working order. If a document (including without limitation a financial or other spreadsheet or work paper) is not created or maintained in Microsoft Excel format, convert the document to Microsoft Excel format or provide the document in a format that enables or permits functionality like or similar to Microsoft Excel (including without limitation the functionality of working cells and formulas), or provide the software program(s) that will enable the Consumer Advocate to audit and analyze the data and information in the same manner as would be enabled or permitted if the document were provided in Microsoft Excel format.

4. **Objections.** If any objections to this discovery are raised on the basis of privilege or immunity, include in your response a complete explanation concerning the privilege or immunity asserted. If you claim a document is privileged, identify the document and state the basis for the privilege or immunity asserted. If you contend that you are entitled to refuse to fully answer any of this discovery, state the exact legal basis for each such refusal.

5. **Singular/Plural.** The singular shall include the plural, and vice-versa, where appropriate.

6. **Definitions.** As used in this Request:

(a) “You,” “Your,” “Company,” or “King’s Chapel,” shall mean King’s Chapel Capacity, LLC, which is now called Superior Wastewater Systems, LLC¹, and all employees, agents, attorneys, representatives or any other person acting or purporting to act on its behalf.

(b) “Affiliate” shall mean any entity who, directly or indirectly, is in control of, is controlled by, or is under common control with the Company. For greater clarification, “control” is the ownership of 20% or more of the shares of stock entitled to vote for the election of directors in the case of a corporation, or 20% or more of the equity interest in the case of any other type of entity, or status as a director or officer of a corporation or limited liability company, or status as a partner of a partnership, or status as an owner of a sole proprietorship, or any other arrangement whereby a person has the power to choose, direct, or manage the board of directors or equivalent governing body, officers, managers, employees, proxies, or agents of another person. In addition, the term “Affiliate” shall mean any entity that directly or indirectly provides management or operational services to the Company or any affiliate (as defined in the preceding sentence) of the Company, or to which the Company provides management or operational services. Further, the payment of money to the Company or receipt by the Company of money from an entity with which the Company has any relationship, other than such payment or receipt, shall include the payor or recipient of such money as an “Affiliate.”

(c) “Communication” shall mean any transmission of information by oral, graphic, written, pictorial or otherwise perceptible means, including but not limited to personal conversations, telephone conversations, letters, memoranda, telegrams, electronic mail, newsletters, recorded or handwritten messages, meetings and personal conversations, or otherwise.

(d) “Document” shall have the broadest possible meaning under applicable law. “Document” shall mean any medium upon which intelligence or information can be recorded or retrieved, such as any written, printed, typed, drawn, filmed, taped, or recorded medium in any manner, however produced or reproduced, including but not limited to any writing, drawing, graph, chart, form, letter, note, report, electronic mail, memorandum (including memoranda, electronic mail, report, or note of a meeting or communication), work paper, spreadsheet, photograph, videotape, audio tape, computer disk or record, or any other data compilation in any form without limitation, which is in your possession, custody or control. If any

¹ King’s Chapel Capacity, LLC filed a *Notice of Name Change* with the Commission stating that it intends to change its name Superior Wastewater Systems. *In Re: Notice of King’s Chapel Capacity to Change its Name to Superior Wastewater Systems*, TPUC Docket No. 19-00015 (January 24, 2019). By letter dated June 28, 2019, the Commission acknowledged receipt of the notification and stated that the notification met the requirements under TPUC Rule 1220-4-1-.08.

such document was, but no longer is, in your possession, custody or control, state what disposition was made of the document and when it was made.

(e) “Person” shall mean any natural person, corporation, firm, company, proprietorship, partnership, business, unincorporated association, or other business or legal entity of any sort whatsoever.

(f) “Identify” with respect to:

- i. Any natural person, means to state the full name, telephone number, email address and the current or last known business address of the person (if no business address or email address is available provide any address known to you) and that person’s relationship, whether business, commercial, professional, or personal with you;
- ii. Any legal person, business entity or association, means to state the full name, the name of your contact person with the entity, all trade name(s), doing business as name(s), telephone number(s), email address(es), and current or last known business address of such person or entity (if no business address is available provide any address known to you);
- iii. Any document, means to state the type of document (e.g., letter), the title, identify the author, the subject matter, the date the document bears and the date it was written; and
- iv. Any oral communication, means to state the date when and the place where it was made, identify the person who made it, identify the person or persons who were present or who heard it, and the substance of it.

(g) “And” and “or” shall be construed conjunctively or disjunctively as necessary to make the discovery request inclusive rather than exclusive.

(h) “Including” shall be construed to mean including but not limited to.

FIRST DISCOVERY REQUEST

1-1. Refer to the Company's Petition. The Company states that it currently serves 269 residential customers², but will have over 632 customers³ when the service area is fully built, including both developments. Answer the following and provide supporting documentation:

- (a) How many customers are expected to be added from the inclusion of the Hill Parcel and Roberts Parcel?
- (b) Will the development of the Hill Parcel and Roberts Parcel happen in phases? If yes, how many phases and the number of homes per phase.
- (c) How many new customers are expected to be added from the Company's existing development?
- (d) Identify the number of phases of the Company's existing development that remains to be built.

RESPONSE:

1-2. Refer to TPUC Rule 1220-04-13-.17(2)(a)4. This rule on affiliates has two parts: (1) "If the applicant has affiliated companies, provide a corporate organization chart showing all affiliate relationships" and (2) "Describe in detail any transactions, direct or indirect, that occur or are expected to occur between affiliated entities." In the Company's Supplemental Supporting Documentation filed on October 15, 2019 (*Supplemental Filing*), you state that "no transactions, direct or indirect, are anticipated to occur with any affiliates of King's

² The Tennessee Department of Environment and Conservation (TDEC) issued a permit on May 31, 2016 authorizing wastewater service to 228 homes in the Company's development in Williamson County. The permit is identified as SOP-03032 and is attached as *CA Exhibit DRI-A*. By letter dated April 21, 2017, TDEC approved the addition of approximately 50 new lots in Section 8 of the Company's development. A copy of this letter is attached as *CA Exhibit DRI-B*.

³ The Company has submitted an application for an amendment to its existing SOP-03032 requesting approval to serve 631 customers and a clubhouse. This application was received by TDEC on April 15, 2019 per the TDEC Dataviewer. A copy of the permit application is attached as *CA Exhibit DRI-C*. It does not appear that TDEC has issued a new permit in response to the Company's recent application. Information regarding SOP-03032 can be accessed at http://tdec.tn.gov:8080/pls/enf_reports/f?p=9034:34051:::NO:34051:P34051_PERMIT_NUMBER:SOP-03032.

Chapel Capacity” which addresses the second part of the rule. However, the Company did not address the first part of the rule which requires a copy of the corporate organizational chart showing all affiliate relations. Provide a copy of the required corporate organizational chart showing all affiliate relations.

RESPONSE:

- 1-3. Refer to Exhibit 3.4 of the *Supplemental Filing* which identifies John Powell Construction LLC as the contractor contracted to install the proposed system.
- (a) List the owners, members and officers of John Powell Construction LLC.
 - (b) Provide the percent ownership of each individual listed in (a) above.

RESPONSE:

- 1-4. Refer to TPUC Rule 1220-04-13-.16. *Affiliate* is defined as “any person who, directly or indirectly, is in control of, is controlled by, or is under common control with a public wastewater utility.” *Control* is defined as “the ownership of twenty percent (20%) or more of the shares of stock entitled to vote for the election of directors in the case of a corporation, or twenty percent (20%) or more of the equity interests in the case of any other type of entity, or status as a director or officer of a corporation or limited liability company, or status as a partner of a partnership, or status as an owner of a sole proprietorship, or any other arrangement whereby a person has the power to choose, direct, or manage the board of directors or equivalent governing body, officers, managers, employees, proxies, or agents of another person.” Is John Powell Construction LLC an affiliate of King’s Chapel as defined under TPUC Rule 1220-04-13.16? If not, provide an explanation of how John

Powell Construction, LLC is not an affiliate.

RESPONSE:

- 1-5. Refer to Exhibit 2.1 of the *Supplemental Filing*. The Company states that Williamson County and the Milcrofton Utility District decline to provide wastewater to the Hill and Roberts Parcels and that there “are no other existing wastewater utilities in the surrounding area.” According to filings in this Docket, the Hill and Roberts Parcels are located in the Commission-approved service area of Tennessee Wastewater Systems, Inc.⁴ Explain why you failed to identify Tennessee Wastewater Systems, Inc, in your response and stated that there are “no other existing wastewater utilities in the surrounding area.”

RESPONSE:

- 1-6. Refer to CONFIDENTIAL contract filed as a Part of Exhibit 2.3 of the *Supplemental Filing*. Specifically, Section 4 provides acceptable language for a Declaration of Protective Covenants or By Laws of the homeowner’s association regarding service fees. In the acceptable language provided, it states that “Each USER when requesting service must have contractor approved by SWS install initial collection tank to be placed on the property of the USER at cost to USER.”
- (a) Does the Company have a list of approved contractors? If so, provide a copy of the list.
 - (b) If there is no list of approved contractors, provide a narrative of the process for a USER to have a contractor approved by the Company. Provide documentation to support your answer.

⁴ Recently, Tennessee Wastewater Systems, Inc. withdrew its petition to intervene stating that it was willing to transfer “those properties from TWSI’s Milcrofton service territory to the service territory of KCC” if the Commission finds the Company has the “financial, managerial and technical capabilities to provided wastewater service on the adjacent Hill and Roberts properties.”(emphasis added), *Withdrawal of Petition to Intervene*, TPUC Docket No. 19-00043 (July 9, 2019).

- (c) What are the criteria for the Company in evaluating and approving contractors? Provide documentation to support your answer.

RESPONSE:

1-7. Refer to CONFIDENTIAL contract filed as a Part of Exhibit 2.3 of the *Supplemental Filing*. Specifically, Section 5.2 provides that Civil Infrastructure Associates has been engaged by the developer “with the approval from [the Company] to design the wastewater treatment facilities needed to serve the Property.”

- (a) Does the Company have a list of approved engineers for designing wastewater treatment facilities to be ultimately owned and operated by the Company? If so, provide a copy of the list.
- (b) If there is no list of approved engineers, provide a narrative of the process for a developer to have an engineer approved by the Company. Provide documentation to support your answer.
- (c) What are the criteria for the Company in evaluating and approving engineers? Provide documentation to support your answer.

RESPONSE:

1-8. Refer to CONFIDENTIAL contract filed as a Part of Exhibit 2.3 of the *Supplemental Filing*. Specifically, Section 10 provides that the developer will be “responsible for securing any performance bonds, or maintenance bonds required by Williamson County in connection with the improvements constructed to serve the Property.”

- (a) Provide the amount of the Company’s performance or maintenance bond for this development in Williamson County.
- (b) Provide the duration of the Company’s performance or maintenance bond for this development in Williamson County.
- (c) Provide a copy of the Company’s performance or maintenance bond for this development in Williamson County.

- (d) Confirm that the local regulations governing performance or maintenance bonds is Williamson County Tennessee Zoning Ordinance, Article 20, Section 20.08 (effective January 1, 2013) and can be accessed at <http://www.williamsoncounty-tn.gov/DocumentCenter/View/14874/ZO-September-2018?bidId=> .

RESPONSE:

- 1-9. Refer to CONFIDENTIAL contract filed as a Part of Exhibit 2.3 of the *Supplemental Filing*. Specifically, Section 10.1(b) provides that the developer “contemplates constructing the improvements on the Property in three or more phases with each Phase containing approximately 60 Lots. Following preliminary approval of the first Phase by Williamson County and issuance of a grading and construction permit for such Phase, NADG/WDG will cause its contractors start to construct the improvements or components necessary for SWS to provide service to that Phase and such Lots.” However, in Exhibits 1.9 and 1.10 of the *Supplemental Filing*, the Company states that “all construction is being completed in a single phase.” Confirm that all wastewater system construction will be completed in a single phase although the developer plans to have three or more phases (approximately 60 lots each) of construction.

RESPONSE:

- 1-10. Refer to John Powell’s Direct Testimony, p. 4. Mr. Powell states that the Company has “engaged a qualified engineer to be its wastewater distribution operator.” Is James Johnson, identified Exhibit 4.3 of the *Supplemental Filing*, the “qualified engineer” Mr. Powell refers to in his Direct Testimony? If not, who is the “qualified engineer”?

RESPONSE:

- 1-11. Describe the Company’s insurance policies including the deductible amount(s) and the amount for property damage coverage for loss and/or damages in the case of a catastrophic

event such as tornadoes, wildfire, earthquakes or flooding? Provide a copy (or copies) of the insurance policy (policies).

RESPONSE:

1-12. Provide the Annual Reports of Kings Chapel Capacity for the years ending 2015, 2016, 2017.


RESPONSE:

1-13. Refer to Section 218 (Proprietary Capital) of the Company's 2018 Annual Report.

- (a) Provide a comprehensive explanation of the transaction(s) giving rise to the negative Deposit from Owners (\$47,264).
- (b) Confirm that this represents a withdrawal of capital from the Company.
- (c) Identify the recipient of the withdrawal.
- (d) With regard to the \$225,436 first of the year balance, identify the amount of this balance that represents (i) capital provided by one or more owners of Kings Chapel, or (ii) Other transactions. If this balance, or some portion of this balance is represented by transactions other than capital injected by one or more owners, provide a comprehensive explanation of the source of these funds.
- (e) If not provided in the response above, provide a listing of amounts and identify the source for all injections of capital into Kings Chapel for the period 1/1/10 – current.
- (f) Provide a copy of the Company's current property insurance policy.

RESPONSE:

RESPECTFULLY SUBMITTED,


KAREN H. STACHOWSKI (BPR #019607)
Assistant Attorney General
VANCE L. BROEMEL (BPR #011421)
Senior Assistant Attorney General
Office of the Tennessee Attorney General
Financial Division, Consumer Advocate Unit
P.O. Box 20207

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Email: karen.stachowski@ag.tn.gov
Email: vance.broemel@ag.tn.gov

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing was served via U.S. Mail or electronic mail upon:

Charles B. Welch, Jr., Esq.
Farris Bobango PLC
414 Union Street, Suite 1105
Nashville, TN 37219
Telephone: (614) 726-1200
Email: cwelch@farris-law.com

This the 7th day of November, 2019.

Karen H. Stachowski
KAREN H. STACHOWSKI



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

May 31, 2016

Mr. John Powell, Managing Member
Kings Chapel Capacity, LLC
e-copy: john-powell@comcast.net
PO Box 34
Arrington, TN 37014

**Re: State Operating Permit No. SOP-03032
Kings Chapel Capacity LLC
College Grove, Williamson County, Tennessee**

Dear Mr. Powell:

In accordance with the provisions of the Tennessee Water Quality Control Act, Tennessee Code Annotated (T.C.A.), Sections 69-3-101 through 69-3-120, the Division of Water Resources hereby issues the enclosed State Operating Permit. The continuance and/or reissuance of this Permit is contingent upon your meeting the conditions and requirements as stated therein.

Please be advised that a petition for permit appeal may be filed, pursuant to T.C.A. Section 69-3-105, subsection (i), by the permit applicant or by any aggrieved person who participated in the public comment period or gave testimony at a formal public hearing whose appeal is based upon any of the issues that were provided to the commissioner in writing during the public comment period or in testimony at a formal public hearing on the permit application. Additionally, for those permits for which the department gives public notice of a draft permit, any permit applicant or aggrieved person may base a permit appeal on any material change to conditions in the final permit from those in the draft, unless the material change has been subject to additional opportunity for public comment. Any petition for permit appeal under this subsection (i) shall be filed with the technical secretary of the Water Resources Board within thirty (30) days after public notice of the commissioner's decision to issue or deny the permit. A copy of the filing should also be sent to TDEC's Office of General Counsel.

If you have questions, please contact the Nashville Environmental Field Office at 1-888-891-TDEC; or, at this office, please contact Mr. Hari Akunuri at (615) 532-0650 or by E-mail at Hari.Akunuri@tn.gov.

Sincerely,

Brad C. Harris, P.E.
Manager, Land-based Systems

Enclosure

cc/ec: Land-based Systems File
Nashville Environmental Field Office
Ms. Michelle Ramsey, Utilities Division, Tennessee Regulatory Authority, michelle.ramsey@tn.gov
Ms. Patsy Fulton, Utility Rate Specialist, Tennessee Regulatory Authority, Patsy.Fulton@tn.gov

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

Permit No. SOP-03032

PERMIT
For the operation of Wastewater Treatment Facilities

In accordance with the provision of Tennessee Code Annotated section 69-3-108 and Regulations promulgated pursuant thereto:

PERMISSION IS HEREBY GRANTED TO

Kings Chapel Capacity LLC
College Grove, Williamson County, Tennessee

FOR THE OPERATION OF

Septic tanks, effluent collection system, recirculating sand filter, UV disinfection and drip irrigation system located at latitude 35.87006 and longitude -86.69482 in Williamson County, Tennessee to serve approximately 228 homes in the Kings Chapel, LLC. The design capacity of the system is .0684 MGD.

This permit is issued as a result of the application filed on March 29, 2016, in the office of the Tennessee Division of Water Resources and in conformity with approved plans, specifications and other data submitted to the Department in support of the above application, all of which are filed with and considered as a part of this permit, together with the following named conditions and requirements.

This permit shall become effective on: July 31, 2016

This permit shall expire on: June 30, 2021

Issuance date: June 3, 2016



for Tisha Calabrese Benton
Director

A. GENERAL REQUIREMENTS

The treatment system shall be monitored by the permittee as specified below:

<u>Parameter</u>	<u>Sample Type</u>	<u>Daily Maximum</u>	<u>Monthly Average</u>	<u>Measurement Frequency</u>
Flow *	Totalizer			Daily
BOD ₅	Grab	45 mg/l	N/A	Once/Year
Ammonia as N	Grab	Report	N/A	Once /Quarter

* Report average daily flow for each calendar month.

Sampling requirements in the table above apply to effluent being discharged to the drip irrigation plots.

This permit allows the operation of a wastewater drip irrigation system. There shall be no discharge of wastewater to any surface stream or any location where it is likely to enter surface waters. There shall be no discharge of wastewater to any open throat sinkhole. In addition, the drip irrigation system shall be operated in a manner preventing the creation of a health hazard or a nuisance.

Instances of ponding or pooling within the drip dispersal area not associated with a recent rainfall event shall be promptly investigated and noted on the Monthly Operations Report. The report shall include details regarding location(s), determined cause(s), the actions taken to eliminate the ponding, and the date the corrective actions were made. Ponding resulting in the discharge of treated wastewater into the Waters of the State or to locations where it is likely to move to Waters of the State shall be considered a violation of your State Operating Permit.

All drip fields shall be fenced sufficiently to prevent or impede unauthorized entry as well as to protect the facility from vandalism. Fencing shall be a minimum of four feet in height. Fencing shall be constructed of durable materials. Gates shall be designed and constructed in a manner to prevent or impede unauthorized entry. All designs are subject to division approval. Fence shall be installed prior to beginning of operation.

The site shall be inspected by the certified operator or his/her designee, at a minimum, once per fourteen days (default) OR in accordance with an operating and maintenance inspection schedule in the permit administrative file record. The default inspection frequency will apply if an operating and maintenance inspection schedule is not submitted to be a part of the permit administrative file record. The operating and maintenance inspection schedule shall at a minimum evaluate the following via onsite visits or telemetry monitoring or a combination of the two:

- the condition of the treatment facility security controls (doors, fencing, gates, etc.),

- the condition of the drip area security controls (doors, fencing, gates, etc.),
- the condition of the site signage,
- the operational status of the mechanical parts of the treatment system (pumps, filters, telemetry equipment, etc.)
- the condition of the UV bulbs (if applicable)

Submission of the schedule, or revisions to the schedule, may be submitted to the division electronically. The schedule shall be submitted on or before the effective date of the permit. The permittee is responsible for maintaining evidence that the schedule, or revisions, have been submitted to the division.

B. MONITORING PROCEDURES

1. Representative Sampling

Samples and measurements taken in compliance with the monitoring requirements specified above shall be representative of the volume and nature of the monitored discharge, and shall be taken at the following location(s):

Effluent to drip irrigation plots.

2. Test Procedures

Unless otherwise noted in the permit, all pollutant parameters shall be determined according to methods prescribed in Title 40, CFR, Part 136.

C. DEFINITIONS

The "daily maximum concentration" is a limitation on the average concentration, in milligrams per liter, of the discharge during any calendar day.

The "**monthly average concentration**", other than for *E. coli* bacteria, is the arithmetic mean of all the composite or grab samples collected in a one-calendar month period.

A "grab sample" is a single influent or effluent sample collected at a particular time.

For the purpose of this permit, "*continuous monitoring*" means collection of samples using a probe and a recorder with at least one data point per dosing cycle.

A "quarter" is defined as any one of the following three-month periods: January 1 through March 31, April 1 through June 30, July 1 through September 30, and/or October 1 through December 31.

D. REPORTING

1. Monitoring Results

Monitoring results shall be recorded monthly OR in accordance with the operating and maintenance inspection schedule in the permit administrative file record and submitted quarterly. The quarterly report shall detail the following:

Submittals shall be postmarked no later than 15 days after the completion of the reporting period. A copy should be retained for the permittee's files. Operation reports and any communication regarding compliance with the conditions of this permit must be sent to:

Division of Water Resources
Nashville Environmental Field Office
711 R.S. Gass Boulevard
Nashville, TN 37216

The first operation report is due on the 15th of the month following the quarter containing the permit effective date. Until the construction of the treatment system is complete and the treatment system is placed into operation, operational reports shall report "monitoring not required".

2. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified in 0400-40-05-.07(2)(h)2, the results of such monitoring shall be included in the calculation and reporting of the values required in the Quarterly Operation Report. Such increased frequency shall also be indicated.

3. Falsifying Reports

Knowingly making any false statement on any report required by this permit may result in the imposition of criminal penalties as provided for in Section 69-3-115 of the Tennessee Water Quality Control Act.

4. Signatory Requirement

All reports or information submitted to the commissioner shall be signed and certified by the persons identified in Rules 0400-40-05-.05(6)(a-c).

E. SCHEDULE OF COMPLIANCE

Full operational level shall be attained after the construction of the treatment system is complete and the treatment system is placed into operation.

PART II

A. GENERAL PROVISIONS

1. Duty to Reapply

The permittee is not authorized to discharge after the expiration date of this permit. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit such information and forms as are required to the Director of Water Resources (the "Director") no later than 180 days prior to the expiration date.

2. Right of Entry

The permittee shall allow the Director, or authorized representatives, upon the notification of permittee and presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or where records are required to be kept under the terms and conditions of this permit, and at reasonable times to copy these records;

b. To inspect at reasonable times any monitoring equipment or method or any collection, treatment, pollution management, or discharge facilities required under this permit; and

c. To sample at reasonable times any discharge of pollutants.

3. Availability of Reports

All reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Division of Water Resources.

4. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems (and related appurtenances) for collection and treatment which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory and process controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to

achieve compliance with the conditions of the permit. Backup continuous pH and flow monitoring equipment are not required.

The monitoring frequency stated in this permit shall not be construed as specifying a minimum level of operator attention to the facility. It is anticipated that visits to the treatment facility by the operator will occur at intervals frequent enough to assure proper operation and maintenance, but in no case less than one visit every fourteen days OR in accordance with an operating and maintenance inspection schedule in the permit administrative file record. If monitoring reports, division's inspection reports, or other information indicates a problem with the facility, the permittee may be subject to enforcement action and/or the permit may be modified to include increased parameter monitoring, increased monitoring frequency or other requirements as deemed necessary by the division to correct the problem. The permittee shall ensure that the certified operator is in charge of the facility and observes the operation of the system frequently enough to ensure its proper operation and maintenance regardless of the monitoring frequency stated in the permit

Dilution water shall not be added to comply with effluent requirements.

The drip dispersal area shall not be used for vehicular traffic or vehicular parking. Dozers, trucks, tractors, and other heavy vehicles shall not be allowed to run over the drip dispersal area lines or other parts of the system.

5. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

6. Severability

The provisions of this permit are severable. If any provision of this permit due to any circumstance, is held invalid, then the application of such provision to other circumstances and to the remainder of this permit shall not be affected thereby.

7. Other Information

If the permittee becomes aware that he failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, then he shall promptly submit such facts or information.

B. CHANGES AFFECTING THE PERMIT

1. Planned Changes

The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility.

2. Permit Modification, Revocation, or Termination

a. This permit may be modified, revoked and reissued, or terminated for cause as described in section 69-3-108 (h) The Tennessee Water Quality Control Act as amended.

b. The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

3. Change of Ownership

This permit may be transferred to another person by the permittee if:

a. The permittee notifies the Director of the proposed transfer at least 30 days in advance of the proposed transfer date;

b. The notice includes a written agreement between the existing and new permittees containing a specified date for transfer of permit responsibility, coverage, and liability between them; and

c. The Director, within 30 days, does not notify the current permittee and the new permittee of his intent to modify, revoke or reissue, or terminate the permit and to require that a new application be filed rather than agreeing to the transfer of the permit.

4. Change of Mailing Address

The permittee shall promptly provide to the Director written notice of any change of mailing address. In the absence of such notice the original address of the permittee will be assumed to be correct.

C. NONCOMPLIANCE

1. Effect of Noncompliance

Any permit noncompliance constitutes a violation of applicable State laws and is grounds for enforcement action, permit termination, permit modification, or denial of permit reissuance.

2. Reporting of Noncompliance

a. 24-Hour Reporting

In the case of any noncompliance which could cause a threat to public drinking supplies, or any other discharge which could constitute a threat to human health or the environment, the required notice of non-compliance shall be provided to the appropriate Division environmental assistance center within 24 hours from the time the permittee becomes aware of the circumstances. (The environmental field office should be contacted for names and phone numbers of emergency response personnel.)

A written submission must be provided within five days of the time the permittee becomes aware of the circumstances unless this requirement is waived by the Director on a case-by-case basis. The permittee shall provide the Director with the following information:

- i. A description of the discharge and cause of noncompliance;
- ii. The period of noncompliance, including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
- iii. The steps being taken to reduce, eliminate, and prevent recurrence of the non complying discharge.

b. Scheduled Reporting

For instances of noncompliance which are not reported under subparagraph 2.a. above, the permittee shall report the noncompliance on the Quarterly Operation Report. The report shall contain all information concerning the steps taken, or planned, to reduce, eliminate, and prevent recurrence of the violation and the anticipated time the violation is expected to continue.

3. Overflow

a. "**Overflow**" means the unintended discharge to land or waters of Tennessee of wastes from any portion of the collection, transmission, or treatment system other than through permitted outfalls.

b. Overflows are prohibited.

c. The permittee shall operate the collection system so as to avoid overflows. No new or additional flows shall be added upstream of any point in the collection system, which experiences chronic overflows (greater than 5 events per year) or would otherwise overload any portion of the system.

d. Unless there is specific enforcement action to the contrary, the permittee is relieved of this requirement after: 1) an authorized representative of the Commissioner of the

Department of Environment and Conservation has approved an engineering report and construction plans and specifications prepared in accordance with accepted engineering practices for correction of the problem; 2) the correction work is underway; and 3) the cumulative, peak-design, flows potentially added from new connections and line extensions upstream of any chronic overflow point are less than or proportional to the amount of inflow and infiltration removal documented upstream of that point. The inflow and infiltration reduction must be measured by the permittee using practices that are customary in the environmental engineering field and reported in an attachment to a Monthly Operating Report submitted to the local TDEC Environmental Field Office on a quarterly basis. The data measurement period shall be sufficient to account for seasonal rainfall patterns and seasonal groundwater table elevations.

e. In the event that more than 5 overflows have occurred from a single point in the collection system for reasons that may not warrant the self-imposed moratorium or completion of the actions identified in this paragraph, the permittee may request a meeting with the Division of Water Resources EFO staff to petition for a waiver based on mitigating evidence.

4. Upset

a. "*Upset*" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

b. An upset shall constitute an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the permittee demonstrates, through properly signed, contemporaneous operating logs, or other relevant evidence that:

- i. An upset occurred and that the permittee can identify the cause(s) of the upset;
- ii. The permitted facility was at the time being operated in a prudent and workman-like manner and in compliance with proper operation and maintenance procedures;
- iii. The permittee submitted information required under "Reporting of Noncompliance" within 24-hours of becoming aware of the upset (if this information is provided orally, a written submission must be provided within five days); and
- iv. The permittee complied with any remedial measures required under "Adverse Impact."

5. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to the waters of Tennessee resulting from noncompliance with this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. It shall not be a defense for the permittee in an enforcement action that it would have

been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

6. Bypass

a. "**Bypass**" is the intentional diversion of wastewater away from any portion of a treatment facility. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypasses are prohibited unless all of the following 3 conditions are met:

i. The bypass is unavoidable to prevent loss of life, personal injury, or severe property damage;

ii. There are no feasible alternatives to bypass, such as the construction and use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass, which occurred during normal periods of equipment downtime or preventative maintenance;

iii. The permittee submits notice of an unanticipated bypass to the Division of Water Resources in the appropriate Environmental Field Office within 24 hours of becoming aware of the bypass (if this information is provided orally, a written submission must be provided within five days). When the need for the bypass is foreseeable, prior notification shall be submitted to the director, if possible, at least 10 days before the date of the bypass.

c. Bypasses not exceeding permit limitations are allowed **only** if the bypass is necessary for essential maintenance to assure efficient operation. All other bypasses are prohibited. Allowable bypasses not exceeding limitations are not subject to the reporting requirements of 6.b.iii, above.

7. Washout

a. For domestic wastewater plants only, a "washout" shall be defined as loss of Mixed Liquor Suspended Solids (MLSS) of 30.00% or more. This refers to the MLSS in the aeration basin(s) only. This does not include MLSS decrease due to solids wasting to the sludge disposal system. A washout can be caused by improper operation or from peak flows due to infiltration and inflow.

b. A washout is prohibited. If a washout occurs the permittee must report the incident to the Division of Water Resources in the appropriate Environmental Field Office within 24 hours by telephone. A written submission must be provided within five days. The washout must be noted on the discharge monitoring report. Each day of a washout is a separate violation.

D. LIABILITIES

1. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Notwithstanding this permit, the permittee shall remain liable for any damages sustained by the State of Tennessee, including but not limited to fish kills and losses of aquatic life and/or wildlife, as a result of the discharge of wastewater to any surface or subsurface waters. Additionally, notwithstanding this Permit, it shall be the responsibility of the permittee to conduct its wastewater treatment and/or discharge activities in a manner such that public or private nuisances or health hazards will not be created.

2. Liability Under State Law

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law.

**PART III
OTHER REQUIREMENTS**

A. CERTIFIED OPERATOR

The waste treatment facilities shall be operated under the supervision of a Biological Natural System certified wastewater treatment operator and collection system shall be operated under the supervision of a the grade I certified collection system operator in accordance with the Water Environmental Health Act of 1984.

B. PLACEMENT OF SIGNS

The permittee shall place a sign at the entrance if the drip area if fenced or all reasonable approaches to the drip irrigation lot. The sign should be clearly visible to the public. The minimum sign size should be two feet by two feet (2' x 2') with one inch (1") letters. The sign should be made of durable material

**RECLAIMED WASTEWATER
DRIP IRRIGATION
(PERMITTEE'S NAME)
(PERMITTEE'S PHONE NUMBER)
TENNESSEE DIVISION OF WATER
RESOURCES
Nashville Environmental Field Office
PHONE NUMBER: 1-888-891-8332**

C. ADDITION OF WASTE LOADS

The permittee may not add wasteloads to the existing treatment system without the knowledge and approval of the division.

D. SEPTIC TANK OPERATION

The proper operation of this treatment system depends, largely, on the efficient use of the septic tank. The solids that accumulate in the tank shall be removed at a frequency that is sufficient to insure that the treatment plant will comply with the discharge requirements of this permit.

E. SEPTAGE MANAGEMENT PRACTICES

The permittee must comply with the provisions of Rule 0400-48-01-.22. If the septage is transported to another POTW for disposal, the permittee shall note the amount of septage wasted in gallons and name of the facility the hauler intends to use for disposal of the septage on the monthly operation report. Sludge or any other material removed by any treatment works must be disposed of in a manner which prevents its entrance into or pollution of any surface or subsurface waters. Additionally, the disposal of such sludge or other material must be in compliance with the Tennessee Solid Waste Disposal Act, TCA 68-31-101 et seq. and Tennessee Hazardous Waste Management Act, TCA 68-46-101 et seq.

F. OWNERSHIP OF THE TREATMENT FACILITIES

a. The permittee shall own the treatment facilities (and the land upon which they are constructed) including the land to be utilized for drip or spray irrigation. A perpetual easement (properly recorded) may be accepted in lieu of ownership. Evidence of ownership of the treatment facility land application site(s) and/or a copy of the perpetual easement(s) must be furnished to the division for approval prior to construction of the wastewater collection and treatment system.

b. Where the treatment facility serves private homes, condominiums, apartments, retirement homes, nursing homes, trailer parks, or any other place where the individuals being served have property ownership, rental agreements, or other agreements that would prevent their being displaced in the even of abandonment or noncompliance of the sewerage system, ownership of the treatment facilities must be by a municipality, a public utility, a wastewater authority, or a

privately owned public utility (having a Certificate of Convenience and Necessity from the Tennessee Regulatory Authority), or another public agency.

Attachment 1
STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES-WATER SUPPLY BRANCH
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue
Nashville, Tennessee 37243

MEMORANDUM

TO: Hari Akunuri, WPC-CO

FROM: Allen Rather, DWS- Ground Water Management Section

DATE: 9/16/2013

SUBJECT: LCSS/SFDS (Class V Injection) Approval
King's Chapel Capacity, LLC
Arrington, Williamson County, Tennessee
UIC File WIL 0000057 SOP-03032

The Division of Water Resources has reviewed the submittal of an Application for Authorization to Operate a Class V Underground Injection Well (Large Capacity Septic System/Subsurface Fluid Disposal System) utilizing conventional disposal for the waste water at the King's Chapel Capacity located at Arrington, Williamson County, Tennessee. This Division approves the application dated 6/08/2013.

If at any time the Division learns that a ground water discharge system may be in violation of The Tennessee Water Quality Control Act, the Division shall:

- a. require the injector to apply for an individual permit;
- b. order the injector to take such actions including, where required, closure of the injection well as may be necessary to prevent the violation; or
- c. take enforcement action.

All groundwater discharge activities must operate in such a manner that they do not present a hazard to groundwater.

King's Chapel Capacity, LLC shall also conduct a monthly visual inspection of the complete drip field looking for any signs of failure.

In accordance with Underground Injection Control (UIC) Rule 1200-4-6-.14 (3) "The owner of a Class V well shall be responsible for notifying the Department of change in ownership." This notification must be made to this Division within thirty (30) days of the change in ownership.

Also note that according to Underground Injection Control (UIC) Rule 1200-4-6-.14 (8)(d) "Upon completion of the well, the owner or operator must certify to the Department that the well has been completed in accordance with the approved construction plan, and must submit any other additional information required". The certification must be submitted to the UIC Program within thirty (30) days upon the completion/closure of the Class V well.

This Division will require a minimum of seven (7) working days advance notice before the construction on the drip system is to begin to allow for a witness from this Division to be present.

No drip emitters are to discharge directly into an open throat or crevice in the subsurface. All drip lines are to be installed on contour.

Our concurrence with your approach does not imply that this procedure is exempt from future changes or restrictions in the Underground Injection Control (UIC) Regulations, or any additional requirements set forth by the Division in order to protect the groundwater of Tennessee.

A copy of this authorization must be kept on site until the development has been completed and must be made available to inspection personnel.

Should you have any questions or comments please feel free to contact me at (615) 532-5819 or allen.rather@tn.gov.

c: file



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

April 21, 2017

Ms. Linda Sullivan, PE
Civil Infrastructure Associates, LLC
e-copy: lsullivan@cia-engineers.com
602 North Walnut Street
Murfreesboro, TN 37130

Subject: **Kings' Chapel Capacity, LLC**
Project: Kings Chapel S/D Section 8
County: Williamson
Wastewater Project Number: 17_0214
CIA Project No. 2017-06

Dear Ms. Sullivan:

The Tennessee Department of Environment and Conservation, Division of Water Resources, acknowledges the receipt of 6 sets of construction documents on March 22, 2017.

The project consists of approximately 7,900 LF of combined 1.5-, 2-, 2.5-, 3- and 4-inch PVC low pressure sewer lines and related appurtenances to provide service to approximately 50 new lots in Kings Chapel S/D Section 8 along Majestic Meadows Drive.

Approval is granted in accordance with certain requirements of the Water Quality Control (WQC) Act of 1977 and Regulations of the Water Quality Control Board. **On the coversheet(s) of the site's set of plans and specifications, an approval date and its expiration date will be stamped by the division. Any indication of tampering with the bound set of documents will be subject to investigation and prosecution.** One complete set of construction documents, bearing the official stamp, must be kept at the construction site.

Approval expires one year from the stamped approval date (April 21, 2017) unless construction is either underway or complete. Any request for extension must be made prior to this expiration date. Significant deviations from the approved plan documents must be submitted and approved in writing before such changes are made. Minor changes made during construction need not have prior written approval. Modifications, however, may be required by this Department should the changes be deemed inappropriate. It is advisable, therefore to obtain prior approval in cases where the significance of the change is uncertain.

The Division of Water Resources is authorized to inspect the construction work to verify compliance with the approved plans and specifications, which are on the site. Therefore, the engineer shall notify our staff at the Nashville Environmental Field Office by calling (615) 687-7000 before the start of construction.

Approval of these construction documents should not be construed as a permit for any activities related to this project. Activities which may require a permit under the WQC Act and Regulations include, but are not limited to, the following: streambank vegetation removal; creek crossing(s) for equipment or utility lines; construction within twenty (20) feet of a stream bank; construction in or near a marshy area or wetland, and/or land

disturbance equal to or greater than one acre. Additionally, this approval does not authorize connection and use of sewer that will cause or contribute to collection system overflow or overload of receiving wastewater treatment facility.

The Nashville Environmental Field Office should also be contacted for determinations regarding whether modification of the existing NPDES or SOP permit, an Aquatic Resource Alteration Permit (ARAP) and/or a National Pollutant Discharge Elimination System (NPDES) construction stormwater permit will need to be obtained prior to the beginning of construction of this project.

The division's most recent TDEC Technical/Engineering Documents, including "Design Criteria for Sewage Works", Chapters 1-17 is available on our website: <http://tn.gov/environment/article/wr-wq-water-quality-reports-publications>.

To expedite matters, please reference the assigned wastewater project number 17_0214 on any future correspondence. If you have any questions, please feel free to contact Mr. Wade Murphy at (615) 532-0666 or by E-mail at Wade.Murphy@tn.gov.

Sincerely,



Vojin Janjić
Manager, Water-Based Systems

cc: Mr. John Powell, Managing Member, Kings Chapel Capacity, LLC, john-powell@comcast.net
Ms. April Vann Grippo, Unit Manager, TDEC Division of Water Resources, April.Grippo@tn.gov
Permit File

SOP APPLICATION – page 1

Permit Number: SOP-03032
(previous)Type of application: ☐ New Permit ☐ Permit Reissuance ☒ Permit Modification

Permittee Identification: (Name of city, town, utility, industry, corporation, individual, etc., applying, according to the provisions of Tennessee Code Annotated Section 69-3-108 and Regulations of the Tennessee Water Quality Control Board.)	
Permittee Name (applicant)/Facility Name <u>Mr. John Powell / Superior Wastewater Systems (formerly Kings Chapel Capacity, LLC)</u>	
Permittee Address: <u>P.O. Box 40</u> <u>Arrington TN 37014</u>	

Official Contact: <u>Mr. John Powell</u>		Title or Position: <u>Managing Member</u>	
Mailing Address: <u>P.O. Box 34</u>	City: <u>ARRINGTON</u>	State: <u>TN</u>	Zip: <u>37014</u>
Phone number(s): <u>615-496-8681</u>	E-mail: <u>john-powell@comcast.net</u>		
Optional Contact: <u>LINDA SULLIVAN</u>		Title or Position: <u>Engineer</u>	
Address: <u>307 HICKERSON DRIVE</u>	City: <u>Murfreesboro</u>	State: <u>TN</u>	Zip: <u>37129</u>
Phone number(s): <u>615-516-2852</u>	E-mail: <u>lsullivan@cia-engineers.com</u>		

Application Certification (must be signed in accordance with the requirements of Rule 1200-4-5-.05)		
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.		
Name and title: print or type <u>John Powell</u>	Signature <u>J. Powell</u>	Date <u>3/27/19</u>

OFFICIAL STATE USE ONLY

Received Date	Permit Number SOP	Field Office	Reviewer CA Exhibit DR1-A
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Permit Number: SOP-_____

Facility Identification:		Existing Permit No.	
Facility Name: <i>Superior Wastewater Systems - Kings Chapel WWTP</i>		County: <i>Williamson</i>	
Facility Address or Location: <i>4900 Meadowbrook Drive Arrington TN 37014</i>		Latitude: <i>35.866944</i>	
Name of Engineer for the project: <i>Linda Sullivan</i>		Longitude: <i>-86.691944</i>	
Engineer address and phone number: <i>307 Hickerson Dr., Murfreesboro TN 37129, 615-516-2852</i>			
Name and distance to nearest receiving waters: <i>ARRINGTON CREEK - Beside it</i>			
If any other State or Federal Water/Wastewater Permits have been obtained for this site, list their permit numbers: <i>N/A</i>			
Name of company, utility, or governmental entity that will operate the permitted system: <i>Superior Wastewater Systems (formerly Kings Chapel Capacity LLC)</i>			
Operator address: <i>P.O. Box 40 Arrington TN 37014</i>			
Has the owner/operator filed for a Certificate of Convenience & Necessity (CCN), or an amended CCN, with the Tennessee Regulatory Authority (TRA) (may be required for collection systems and land application treatment systems)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If the applicant listed above does not yet own the facility/site or if the applicant will not be the operator, explain how and when the ownership will be transferred or describe the contractual arrangement and renewal terms of the contract for operations. <i>N/A</i>			
Name of Public Water Provider: <i>Milerofton Utility District</i>			
List Standard Industrial Codes (SIC)/ North American Industrial Code (s) (NAIC) for proposed activity (these are located at http://www.census.gov/epcd/www/naicstab.htm) <i>n/a</i>			
Complete the following information explaining the entity type, number of design units, and daily design wastewater flow:			
Entity Type	Number of Design Units		Flow (gpd)
<input type="checkbox"/> City, town or county	No. of connections:		
<input checked="" type="checkbox"/> Subdivision	No. of homes: <i>631</i>	Avg. No. bedrooms per home: <i>4</i>	<i>189,300</i>
<input type="checkbox"/> School	No. of students:	Size of cafeteria(s):	
		No. of showers:	
<input type="checkbox"/> Apartment	No. of units:	No. units with Washer/Dryer hookups:	
		No. units without W/D hookups:	
<input type="checkbox"/> Commercial Business	No. of employees:	Type of business:	
<input type="checkbox"/> Industry	No. of employees:	Product(s) manufactured:	
<input type="checkbox"/> Resort	No. of units:		
<input type="checkbox"/> Camp	No. of hookups:		
<input type="checkbox"/> RV Park	No. of hookups:	No. of dump stations:	
<input type="checkbox"/> Car Wash	No. of bays:		
<input checked="" type="checkbox"/> Other	<i>Clubhouse</i>		<i>1500</i>
Describe the type and frequency of activities that result in wastewater generation. <i>Residential Subdivision</i>			

Permit Number: SOP-_____

Engineering Report (required for collection systems and/or land application treatment systems):		<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Prepared in accordance with Rule 1200-4-2-.03 and Section 1.2 of the Tennessee Design Criteria (see website for more information)		
<input checked="" type="checkbox"/> Attached, or		
<input type="checkbox"/> Previously submitted and entitled: <u>2019 DDR Modification for Kings Chapel and Highpoint Hill Subdivisions</u>		Approved? <input type="checkbox"/> Yes, Date: _____ <input type="checkbox"/> No

Wastewater Collection System:		<input type="checkbox"/> N/A
System type (i.e., gravity, low pressure, vacuum, combination, etc.):		
<u>Gravity</u>		
System Description:		
<u>STEG to RSF & AXMax, UV Disinfection, Drip Irrigation</u>		
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):		
<u>Emergency generator connections and 24 hours storage in tankage and a site pond.</u>		
In the event of a system failure describe means of operator notification:		
<u>telephone telemetry</u>		
List the emergency contact(s) (name/phone):		
<u>615-496-8681</u>		
For low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder pumps (list all contact information)?		
<u>N/A</u>		
Approximate length of sewer (excluding private service lateral):		
<u>78,000 LF</u>		
Number/hp of lift stations:	<u>7 / 3 hp and below</u>	Number/hp of lift pumps
		<u>14 / 3 hp and below</u>
Number/volume of low pressure and or grinder pump tanks		Number/volume
septic tanks → <u>632 / 1500 Gallon Septic Tanks</u>		
Attach a schematic of the collection system. <input checked="" type="checkbox"/> Attached		
If this is a satellite sewer and you are tying in to another sewer system complete the following section, listing tie-in points to the sewer system and their location (attach additional sheets as necessary):		
Tie-in Point	Latitude (xx.xxxx°)	Longitude (xx.xxxx°)
<u>N/A</u>		

Land Application Treatment System:		<input type="checkbox"/> N/A
Type of Land Application Treatment System: <input checked="" type="checkbox"/> Drip <input type="checkbox"/> Spray <input type="checkbox"/> Other, explain:		
Type of treatment facility preceding land application (recirculating media filters, lagoons, other, etc.):		
Attach a treatment schematic. <input checked="" type="checkbox"/> Attached		
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):		
<u>Storage in septic tanks</u> <u>24 hrs in treatment tankage and storage pond</u>		
For New or Modified Projects:		
Name of Developer for the project: <u>Same owner, just adding lots to Kings Chapel and</u>		
Developer address and phone number: <u>serving lot/development beside this parcel.</u>		
For land application, list: <input checked="" type="checkbox"/> Proposed acreage involved: <u>18 acres of new primary & reserve</u> <input checked="" type="checkbox"/> Inches/week gpd/sq.ft loading rate to be applied: <u>0.21 gpd/ft²</u>		
Is wastewater disinfection proposed?		
<input checked="" type="checkbox"/> Yes Describe land application area access: <u>Will be fenced and gated off.</u>		
<input type="checkbox"/> No Describe how access to the land application area will be restricted		

Permit Number: SOP-_____

Attach required additional Engineering Report Information (see website for more information)	
<input checked="" type="checkbox"/>	Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing the location of the project including quadrangle(s) name(s) GPS coordinates, and latitude and longitude in decimal degrees should also be included.
<input type="checkbox"/>	Scaled layout of facility showing the following: lots, buildings, etc. being served, the wastewater collection system routes, the pretreatment system location, the proposed land application area(s), roads, property boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection areas, sinkholes and wetlands.
<input type="checkbox"/>	Soils information for the proposed land disposal area in the form of a Water Pollution Control (WPC) Soils Map per Chapter 16 and 17 State of Tennessee Design Criteria for Sewage Work. The soils information should include soil depth (borings to a minimum of 4 feet or refusal) and soil profile description for each soil mapped.
<input type="checkbox"/>	Topographic map of the area where the wastewater is to be land applied with no greater than ten foot contours presented at a minimum size of 24 inches by 24 inches.
<input type="checkbox"/>	Describe alternative application methods based on the following priority rating: (1) connection to a municipal/public sewer system, (2) connection to a conventional subsurface disposal system as regulated by the Division of Groundwater Protection, and/or (3) land application.
For Drip Dispersal Systems Only: Unless otherwise determined by the Department, sewage treatment effluent wells, i.e. large capacity treatment/drip dispersal systems after approval of the SOP Application, will be issued an UIC tracking number and will be authorized as Permit by Rule per UIC Rule 1200-4-6-.14(2) and upon issue of a State Operating Permit and Sewage System Construction Approval by the Department. Describe the following:	
The area of review (AOR) for each Drip Dispersal System shall, unless otherwise specified by the Department, consist of the area lying within a one mile radius or an area defined by using calculations under 1200-4-6-.09 of the Drip Dispersal System site or facility, and shall include, but not be limited to general surface geographic features, general subsurface geology, and general demographic and cultural features within the area. Attach to this part of the application a general characterization of the AOR, including the following: (This can be in narrative form)	
<input type="checkbox"/>	A general description of all past and present groundwater uses as well as the general groundwater flow direction and general water quality.
<input type="checkbox"/>	A general description of the population and cultural development within the AOR; i.e. <input type="checkbox"/> agricultural, <input type="checkbox"/> commercial, <input type="checkbox"/> residential or <input type="checkbox"/> mixed.
<input type="checkbox"/>	Nature of injected fluid to include physical, chemical, biological or radiological characteristics.
<input type="checkbox"/>	If groundwater is used for drinking water within the area of review, then identify and locate on a topographic map all groundwater withdrawal points within the AOR, which supply public or private drinking water systems. Or supply map showing general location of publicly supplied water for the area(this can be obtained from the water provider)
<input type="checkbox"/>	If the proposed system is located within a wellhead protection area or source water protection area designated by Rule 1200-5-1-.34, show the boundary of the protection area on the facility site plan.
<input type="checkbox"/> Description of system. Volume of injected fluid in gallons per day based upon design flow, including any monitoring wells	
<input type="checkbox"/> Nature and type of system, including installed dimensions of wells and construction materials	

Pump and Haul:	<input checked="" type="checkbox"/> N/A
Reason system cannot be served by public sewer:	
Distance to the nearest manhole where public sewer service is available:	
When sewer service will be available:	
Volume of holding tank: _____ gal.	
Tennessee licensed septage hauler (attach copy of agreement):	
Facility accepting the septage (attach copy of acceptance letter):	
Latitude and Longitude (in decimal degrees) of approved manhole for discharge of septage:	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.):	

Permit Number: SOP-_____

Holding Ponds (for non-domestic wastewater only):	<input checked="" type="checkbox"/> N/A
Pond use: <input type="checkbox"/> Recirculation <input type="checkbox"/> Sedimentation <input type="checkbox"/> Cooling <input type="checkbox"/> Other (describe):	
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? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, describe disposal plan:	
Is the pond ever dewatered? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, describe the purpose for dewatering and procedures for disposal of wastewater and/or sludge:	
Is(are) the pond(s) aerated? <input type="checkbox"/> Yes <input type="checkbox"/> 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.)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Describe the liner material (if soil liner is used give the compaction specifications):	
Is there an emergency overflow structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, provide a design drawing of structure.	
Are monitoring wells or lysimeters installed near or around the pond(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If so, provide location information and describe monitoring protocols (attach additional sheets as necessary):	
Attach required additional Information	
<input type="checkbox"/> Topographic map (1:24,000 scale presented at a six inch by six inch minimum size) showing the location of the project including GPS coordinates, latitude and longitude in decimal degrees quadrangle name should also be included.	
<input type="checkbox"/> Scaled layout of facility showing the following: lots, buildings, etc. being served, the wastewater collection system routes, the pretreatment system location, roads, property boundaries, and sensitive areas such as streams, lakes, springs, wells, wellhead protection areas, sinkholes and wetlands.	
The area of review (AOR) for each holding pond shall, unless otherwise specified by the Department, consist of the area lying within and below a one mile radius of the holding pond site or facility, and shall include, but not be limited to surface geographic features, subsurface geology, and demographic and cultural features within the area. Attach to this part of the application a complete characterization of the AOR, including the following: (This can be in narrative form)	
<input type="checkbox"/> Description of all past and present uses of groundwater within the AOR, as documented by public record.	
<input type="checkbox"/> Description of the groundwater hydrology within the AOR, including characteristics of all subsurface aquifers, presence or absence of solution development features, general direction of groundwater movement, and chemical characteristics of the ground waters in the AOR..	
<input type="checkbox"/> Description of the population and cultural development within the AOR. including the number of persons living within one mile of the well or facility, land uses within the AOR, and the existence of any community, state, regional or national parks, wildlife refuges, natural or wilderness areas, recreational or other public-use areas, or any other environmentally sensitive features within the area of review.	
<input type="checkbox"/> If groundwater is used for drinking water within the area of review, then identify and locate on a topographic map all groundwater withdrawal points within the AOR, which supply public or private drinking water systems..	
<input type="checkbox"/> Identify any surface water intake, which supplies a public water distribution system and is located within the AOR or within three miles topographically down gradient from the well or facility. If any such intake(s) wells or springs exist, then locate on map	

Permit Number: SOP-_____

Mobile Wash Operations:			<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Individual Operator <input type="checkbox"/> Fleet Operation Operator			
Indicate the type of equipment, vehicle, or structure to be washed during normal operations (check all that apply):			
<input type="checkbox"/> Cars		<input type="checkbox"/> Parking Lot(s): sq. ft.	
<input type="checkbox"/> Trucks		<input type="checkbox"/> Windows: sq. ft.	
<input type="checkbox"/> Trailers (Interior washing of dump-trailers, or tanks, is prohibited.)		<input type="checkbox"/> Structures (describe):	
<input type="checkbox"/> Other (describe):			
Wash operations take place at (check all that apply):			
<input type="checkbox"/> Car sales lot(s)		<input type="checkbox"/> Public parking lot(s)	
<input type="checkbox"/> Private industry lot(s)		<input type="checkbox"/> Private property(ies)	
<input type="checkbox"/> County(ies), list:		<input type="checkbox"/> Statewide	
Wash equipment description:			
<input type="checkbox"/> Truck mounted		<input type="checkbox"/> Trailer mounted	
<input type="checkbox"/> Rinse tank size(s) (gal.):		<input type="checkbox"/> Mixed tanks size(s) (gal.):	
<input type="checkbox"/> Collection tank size(s) (gal.):		Number of tanks per vehicle:	
Pressure washer: psi (rated)	gpm (rated)	Pressure washer: <input type="checkbox"/> gas powered	<input type="checkbox"/> electric
Vacuum system manufacturer/model:		Vacuum system capacity: inches Hg	
Describe any other method or system used to contain and collect wastewater:			
List the public sewer system where you are permitted or have written permission to discharge waste wash water (include a copy of the permit or permission letter):			
Are chemicals pre-mixed, prior to arriving at wash location? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Describe all soaps, detergents, or other chemicals used in the wash operation (attach additional sheets as necessary):			
Chemical name:	Manufacturer:	Primary CAS No. or Product No.	