

January 21, 2025

Mr. David Jones, Chairman
c/o Ectory Lawless
Tennessee Public Utilities
502 Deaderick Street, 4th Floor
Nashville, TN 37243

Electronically Filed in TPUC Docket Room
on January 21, 2025 at 10:01 a.m.

RE: Status Update - Tennessee Public Utility Commission, Docket No. 23-00073, *Petition of Tennessee Wastewater Systems, Inc. to Amend its Certificate of Convenience and Necessity to Include Wyelea Farms Subdivision in Williamson County, Tennessee*

Dear Chairman Hilliard,

Construction of the wastewater treatment system is complete. TWSI has not yet accepted or commissioned the system. There are presently no lots available to connect to the system. Included with this letter for filing in this docket are (1) Deed for the treatment facility land; (2) system as built; and (3) the final State Operating Permit. The remaining documentation required in the Order is not yet available. Those documents will be filed once received by TWSI.

If I can be of further assistance, please contact me at 615-220-7171.

Kind regards,

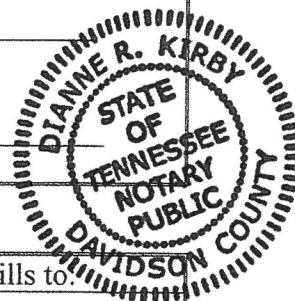


Jeff Risdien
General Counsel

BK/PG: 8799/663-669
21066391

7 PGS : DEED	
JESSICA PORTMAN	832553 - 21066391
11/08/2021 - 08:01:00 AM	
MORTGAGE TAX	0.00
TRANSFER TAX	104104.27
RECORDING FEE	35.00
DP FEE	2.00
REGISTER'S FEE	1.00
TOTAL AMOUNT	104142.27
STATE of TENNESSEE, WILLIAMSON COUNTY	
SHERRY ANDERSON	
REGISTER OF DEEDS	

<p>THIS INSTRUMENT PREPARED BY AND AFTER RECORDING RETURN TO:</p> <p>Baker, Donelson, Bearman, Caldwell & Berkowitz, PC Matthew T. Harris, Esquire 1600 West End Avenue, Suite 2000 Nashville, Tennessee 37203</p>	<p>STATE OF TENNESSEE COUNTY OF <u>Davidson</u></p> <p>The actual consideration or value, whichever is greater, for this transfer is \$28,136,290.00.</p> <p><u>SC SA</u> Affiant</p> <p>Subscribed and sworn to before me this <u>5th</u> day of November, 2021.</p> <p><u>DiAnne R. Kirby</u> Notary Public</p> <p>My Commission Expires: <u>9-08-25</u></p>
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Address New Owner:	Map-Parcel Number:	Send Tax Bills to:
West Harpeth Partners PO Box 60354 Nashville, TN 37206	Map 051 Parcel 013.00	West Harpeth Partners PO Box 60354 Nashville, TN 37206

SPECIAL WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of TEN and NO/100 DOLLARS (\$10.00) cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of all of which are hereby acknowledged, **HARDING VENTURES LLC**, a Tennessee limited liability company ("Grantor") has bargained and sold, and by these presents transfers and conveys to **WEST HARPETH PARTNERS**, a Tennessee general partnership ("Grantee"), Grantee's successors and assigns, certain land in Williamson County, State of Tennessee, being more particularly described in Exhibit A, which is attached hereto and incorporated herein by reference (the "Property").

This is unimproved property located at 3021 Del Rio Pike, Franklin, Williamson County, Tennessee.

This conveyance of the Property, and all covenants and warranties contained herein are made expressly subject to the exceptions listed on Exhibit B, attached hereto and incorporated herein by reference.

TO HAVE AND TO HOLD the Property, with all appurtenances, estate, title, and interest thereto belonging to the Grantee, Grantee's successors and assigns, forever.

Grantor further covenants and binds itself to warrant specially and forever defend the title to the Property to the Grantee, Grantee's successors and assigns against the lawful claims of all persons whomsoever claiming by, through or under Grantor, but not further or otherwise.

[Signature and Notary Page to Follow.]

IN WITNESS WHEREOF, the Grantor has executed this Special Warranty Deed this 5th day of November, 2021.

HARDING VENTURES LLC,
a Tennessee limited liability company

By: Mary K. Cavarra
Name: Mary K. Cavarra
Title: Chief Financial Officer

STATE OF TENNESSEE

COUNTY OF DAVIDSON

Before me, the undersigned, a Notary Public in and for said State and County aforesaid, duly commissioned and qualified, personally appeared Mary K. Cavarra, with whom I am personally acquainted (or proved to me on the basis of satisfactory evidence), and who, upon oath, acknowledged herself to be the Chief Financial Officer of **HARDING VENTURES LLC**, the within-named bargainor, a Tennessee limited liability company, and that she, as such Chief Financial Officer, being duly authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the limited liability company by herself as such Chief Financial Officer.

WITNESS my hand and seal at office on this the 5th day of November, 2021.

Carrie Alice Duke
Notary Public

My Commission Expires:

3/7/2023



My Comm. Exp. 3/7/2023

EXHIBIT A**Legal Description**

A tract of land in the 6th district, Williamson County, Tennessee. Tract being bounded on the east and north by Whitehall Farms Subdivision Section 1 as recorded in Plat Book 25, Page 105, Register's Office Williamson County, Tennessee (ROWC), Whitehall Farms Subdivision Section 2 as recorded in Plat Book 28, Page 74, ROWC, Whitehall Farms Subdivision Section 3 as recorded in Plat Book 31, Page 22, ROWC, on the east by the Del Rio Trust tract as recorded in Book 6205, Page 972, ROWC, on the south and east by the Ellen Livingfield More tract as recorded in Book 5467, Page 800, ROWC, on the south by the Short Properties tract as recorded in Book 1137, Page 603, ROWC, by the Pauline Pewitt tract as recorded in Book 3347, Page 855, ROWC, by the Gentry Family LP, tract as recorded in Book 1472, Page 359, ROWC and by the Ralph McCracken tract as recorded in Book 1990, Page 158, ROWC, on the west by the Gayle Locke and Lee Locke Kennedy tract as recorded in Book 3050, Page 955, ROWC, by the Christopher Handte, and Keiko Matsuoka Handte tract as recorded in Book 5320, Page 74, ROWC, and also being Lot 1 of the Campbell Subdivision as recorded in Plat Book 47, Page 144, ROWC, by the Stewart Campbell Jr. Legacy Trust, tract as recorded in Book 6000, Page 419, ROWC, by the Boyce C. Magli, tract as recorded in Book 1399, Page 584, ROWC, and by Two Rivers Subdivision as recorded in Plat Book 37, Page 22, ROWC, and on the north by Del Rio Pike. Tract being described as follows per the ALTA/NSPS Land Title Survey prepared by Jason J. Stivers, Tennessee Registered Surveyor's No. 2219, for Littlejohn, an S&ME Company, 1935 21st Avenue South, Nashville, Tennessee 37212, dated May 12, 2016 (bearing a field work date of March 21, 2016 and a last revised date of May 6, 2016):

POINT OF BEGINNING being a iron rod old with an SEC cap at the western ROW of said Del Rio Pike and being the southeastern corner lot 101 of said Whitehall Farms Section 1; thence along said ROW South 04°46'49" West 564.87 feet to an iron rod new being 12.00 feet west of an iron rod with an SEC cap; thence leaving said ROW with the northern line of said Ellen Livingfield More tract North 85°25'03" West 668.53 feet to an iron rod old with an SEC cap; thence North 84°26'43" West 2160.76 feet to an iron rod old with an SEC cap, 3.86 feet north of a found stone at the northwestern corner of the said Ellen Livingfield More tract; thence along the western line of the said Ellen Livingfield More tract South 06°51'25" West 1734.92 feet to a 1/2" iron rod old; thence South 82°55'59" East 465.22 feet to an iron rod new; thence South 87°35'32" East 168.62 feet to an iron rod with a cap marked RLS 2039; thence South 08°05'14" West 1076.14 feet to a stone at the northeastern corner of the said Short Properties Tract; thence along the said Short Properties tract North 83°59'21" West 1426.21 feet to an iron rod with a cap marked RLS 2039; thence along the lines of the said Pauline Pewitt tract North 08°18'42" East 208.92 feet to an iron rod old with a cap marked RLS 2039; thence North 84°06'03" West 207.52 feet to an iron rod with a cap marked RLS 2039; thence with the lines of the said Gentry Family LP tract and the said Ralph McCracken tract North 07°15'33" East 873.04 feet to 1/2" iron rod old; thence North 84°02'13" West passing through a witness pin at 2254.54 feet to a point at the centerline of the said West Harpeth River for a total distance of 3193.54 feet; thence along said centerline North 53°51'16" East 102.77 feet to a point; thence North 60°16'39" East 94.39 feet to a point; thence North 80°21'19" East 282.70 feet to a point; thence North 65°32'10" East 115.57 feet to a point; thence North 47°57'14" East 105.87 feet to a point; thence North 27°58'38" East 262.20 feet to a point; thence North 27°13'06" East 261.75 feet to a point; thence North 11°51'08" East 266.29 feet to a point; thence North 10°44'39" West 182.24 feet to a point; thence North 00°51'39" East 125.79 feet to a point; thence North 23°59'52" East 206.39 feet to a point; thence North

39°18'21" East 245.53 feet to a point; thence North 23°51'36" East 161.75 feet to a point; thence North 07°39'00" West 257.75 feet to a point; thence North 38°29'27" West 234.42 feet to a point; thence North 13°14'02" West 144.39 feet to a point; thence North 13°09'32" West 14.78 feet to a point; thence North 02°16'37" East 260.70 feet to a point; thence North 26°50'45" West 253.67 feet to a point; thence North 18°16'11" West 103.03 feet to a point; thence North 06°06'28" East 128.99 feet to a point; thence North 40°53'37" East 423.68 feet to a point; thence North 53°28'54" East 374.67 feet to a point; thence North 67°29'50" East 465.12 feet to a point; thence N 67° 28' 57" East 416.00 feet to a point; thence North 39° 24' 37" East 209.69 feet to a point; thence North 00° 37' 58" East 247.78 feet to a point; thence North 12° 54' 26" West 344.16 feet to a point; thence North 13° 07' 01" West 268.52 feet to a point; thence North 35° 40' 36" West 359.17 feet to a point; thence North 71° 25' 16" West 200.94 feet to a point; thence South 88° 17' 09" West 495.94 feet to a point; thence North 88° 43' 50" West 334.93 feet to a point; thence North 55° 14' 26" West 347.13 feet to a point; thence North 08° 31' 07" West 566.40 feet to a point; thence North 22° 10' 53" East 148.80 feet to a point; thence North 45° 23' 53" East 101.80 feet to a point; thence North 66° 35' 53" East 100.90 feet to a point; thence South 69° 49' 07" East 282.10 feet to a point; thence North 59° 39' 53" East 283.40 feet to a point; thence North 50° 47' 53" East 304.80 feet to a point; thence North 73° 31' 53" East 638.20 feet to a point; thence North 40° 43' 53" East 229.50 feet to a point; thence North 51 ° 46' 53" East 183.00 feet to a point; thence with the centerline of Del Rio Pike South 21° 58' 44" East 129.48 feet to a point; thence South 31 ° 06' 58" East 135.47 feet to a point; thence South 45° 02' 08" East 114.85 feet to a point; thence South 50° 05' 23" East 169.65 feet to a point; thence South 50° 30' 42" East 719.72 feet to a point; thence South 51° 42' 56" East 728.60 feet to a point; thence South 59° 26' 42" East 366. 79 feet to a point; thence South 43° 43' 02" East 249.35 feet to a point; thence South 60° 51' 26" East 221.23 feet to a point; thence South 65° 51' 26" East 91.83 feet to a point; thence South 73° 00' 53" East 151.32 feet to a point; thence with the common line of the said Del Rio Trust tract South 7° 10' 31" West 1704.37 feet to a ½" iron pin old; thence with the common line of the said Whitehall Farms Subdivision South 07° 21' 06" West 511.68 feet to iron rod old with a cap marked "SEC INC."; thence South 07° 37' 20" West 414.11 feet to an iron rod old with a cap marked "SEC INC."; thence South 07° 28' 04" West 295.97 feet to an iron rod old with a cap marked "SEC INC."; thence South 06° 45' 51" West 465.26 feet to a 1" iron pipe old; thence South 84° 49' 12" East 2802.23 feet to the point of beginning.

Being the same property conveyed to HARDING VENTURES LLC, A TENNESSEE LIMITED LIABILITY COMPANY, by deed from ROGERS FARM, LLC, A TENNESSEE LIMITED LIABILITY COMPANY of record in Book 6751, page 964, dated May 18, 2016, in the Register's Office of Williamson County, Tennessee.

Exhibit B

Permitted Exceptions

1. Taxes for the year 2021 and subsequent years for Map-Par. 051-013.00.
2. Application for Greenbelt Assessment of record in Book 7037, page 802, said Register's Office.
3. Title to that portion of the premises embraced within the bounds of any streets, roads or highways.
4. Easement for the flow of the water of West Harpeth River and the rights of the public therein.
5. Rights of upper and lower riparian owners to the flow of the water of West Harpeth River, free from diminution or pollution.
6. Changes in the boundary of the subject property resulting from erosion or accretion caused by the flow of West Harpeth River.
7. That certain 20-foot Permanent Easement set forth in the Agreement for Dedication Easement for Sanitary Sewer Force Main to the City of Franklin, Tennessee of record in Book 1081, page 826, in Book 1081, page 830, and in Book 1577, page 959, said Register's Office.
8. Right-of-Way Easement granted to Middle Tennessee Electric Membership Corporation of record in Book 768, page 938, said Register's Office.
9. That certain 5-foot Permanent Easement set forth in the Gas Line Easement to United Cities Gas Company, Inc. of record in Book 1818, page 776, said Register's Office.
10. Conservation Easement by and between Harding Ventures LLC, a Tennessee limited liability company and The Land Trust For Tennessee, Inc., a Tennessee nonprofit corporation, dated _____, 2021, recorded in Book **8799**, page **623**, Register's Office for Williamson County, Tennessee.
11. Declaration of Restrictive Covenants dated _____, 2021, recorded in Book **8799**, page **654**, Register's Office for Williamson County, Tennessee.

CERTIFICATE OF AUTHENTICITY

I, Dianne Kirby, do hereby make oath that I am the custodian of the original version the electronic document tendered for registration herewith and that this electronic document is a true and exact copy of the original document executed and authenticated on November 5, 2021 according to State of Tennessee law effective July 1, 2021.

11/05/2021
Date

Melissa Ann Foster
Affiant Signature

State of Tennessee

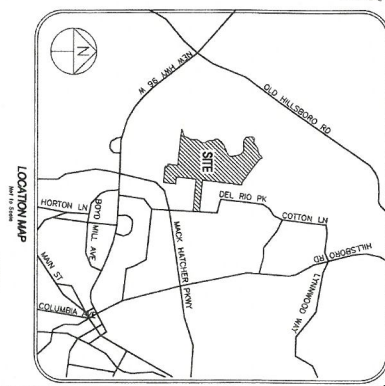
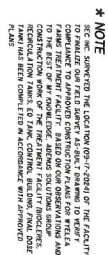
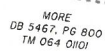
County of Davidson

Sworn to and subscribed before me this 5th day of November, 20 21.

Dianne R. Kirby
Notary's Signature

My Commission Expires: 9-08-25





TREATMENT FACILITY RECORD AS-BUILT DRAWING

S.O.P. 23022

Step System
Wylea Farm
DIVISION

TAYLOR & BARTON LTD. IN WILLIAMSON COUNTY
TENNESSEE

SEC, Inc.
SITE ENGINEERING CONSULTANTS
ENGINEERING • SURVEYING • LAND PLANNING

WWW.SEC-CIVIL.COM
LANDSCAPE ARCHITECTURE
#50 MOBILE TIDALISSE BLVD • MUFGREEBORO, TENNESSEE 37224

PHONE (65) 890-7901 • FAX (65) 895-2567

PROJ #	DATE	FILE	DRAWN BY	SCALE	SHEET
10000	9/18/2004	Working on the station	TIF	1" = 30'	1 OF 1

1 m/s	0.6 m/s	0.7 m/s	0.8 m/s	0.9 m/s	1.0 m/s	1.1 m/s	1.2 m/s	1.3 m/s	1.4 m/s	1.5 m/s	1.6 m/s	1.7 m/s	1.8 m/s	1.9 m/s	2.0 m/s	2.1 m/s	2.2 m/s	2.3 m/s	2.4 m/s	2.5 m/s	2.6 m/s	2.7 m/s	2.8 m/s	2.9 m/s	3.0 m/s	3.1 m/s	3.2 m/s	3.3 m/s	3.4 m/s	3.5 m/s	3.6 m/s	3.7 m/s	3.8 m/s	3.9 m/s	4.0 m/s	4.1 m/s	4.2 m/s	4.3 m/s	4.4 m/s	4.5 m/s	4.6 m/s	4.7 m/s	4.8 m/s	4.9 m/s	5.0 m/s	5.1 m/s	5.2 m/s	5.3 m/s	5.4 m/s	5.5 m/s	5.6 m/s	5.7 m/s	5.8 m/s	5.9 m/s	6.0 m/s	6.1 m/s	6.2 m/s	6.3 m/s	6.4 m/s	6.5 m/s	6.6 m/s	6.7 m/s	6.8 m/s	6.9 m/s	7.0 m/s	7.1 m/s	7.2 m/s	7.3 m/s	7.4 m/s	7.5 m/s	7.6 m/s	7.7 m/s	7.8 m/s	7.9 m/s	8.0 m/s	8.1 m/s	8.2 m/s	8.3 m/s	8.4 m/s	8.5 m/s	8.6 m/s	8.7 m/s	8.8 m/s	8.9 m/s	9.0 m/s	9.1 m/s	9.2 m/s	9.3 m/s	9.4 m/s	9.5 m/s	9.6 m/s	9.7 m/s	9.8 m/s	9.9 m/s	10.0 m/s
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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

December 5, 2023

Mr. Jeff Riden, Chief Executive Officer
Tennessee Wastewater Systems, Inc.
e-copy: jeff.riden@adenus.com
849 Aviation Pkwy
Smyrna, TN 37167

**Re: State Operating Permit No. SOP-23022
Tennessee Wastewater Systems Inc.
Wyelea Subdivision
Franklin, Williamson County, Tennessee**

Dear Mr. Riden:

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.

TDEC's approval of this land application waste treatment system shall not be construed as creating a presumption of correct operation nor as warranting by the commissioner that the approved facilities will reach the designated goals. T.C.A. § 69-3-108(i). Similarly, TDEC's issuance of a state operating permit in no way guarantees that this land application system will function properly. Notwithstanding these approvals, owners and operators are required to ensure that operation of this system does not result in pollution of waters of the state, including groundwater.

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.

TDEC has activated a new email address to accept appeals electronically. If you wish to file an appeal, you may do so by emailing the appeal and any attachments to TDEC.Appeals@tn.gov. If you file an appeal electronically, you do not have to send a paper copy. If you have questions about your electronic filing, you can call 615-532-0131. Electronic filing is encouraged, but not required.

If you have questions, please contact the Nashville EFO at 1-888-891-TDEC; or, at this office, please contact Mr. Bryan Pope at (931) 224-3098 or by E-mail at Bryan.Pope@tn.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brad Harris", with a stylized flourish at the end.

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

Enclosure

cc: Permit File
Nashville Environmental Field Office (EFO)

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-23022

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

Tennessee Wastewater Systems Inc.
Wyelea Subdivision
Franklin, Williamson County, Tennessee

FOR THE OPERATION OF

A fenced drip dispersal system with recirculating media filter system located at latitude 35.95213 and longitude -86.91446 in Williamson County, Tennessee to serve approximately 69 homes and some commercial flow by the Wyelea Treatment Facility. The design capacity of the system is .0336 MGD and will be dispersed on approximately 7.71 acres of suitable soils.

This permit is issued as a result of the application filed on August 22, 2023, in the office of the Tennessee Division of Water Resources. This permit is contingent on the submission and department approval of construction plans, specifications and other data in accordance with rules of the department. Updated plans and specifications must be approved before any further construction activity.

This permit shall become effective on:

December 15, 2023

This permit shall expire on:

December 14, 2028

Issuance date:

December 5, 2023



for Jennifer Dodd
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

No E. Coli monitoring if fields are fenced

* 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, treatment, and storage system with disposal of treated wastewater through approved drip dispersal areas. There shall be no discharge of wastewater to any surface waters or to 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.

TDEC's approval of this land application waste treatment system shall not be construed as creating a presumption of correct operation nor as warranting by the commissioner that the approved facilities will reach the designated goals. T.C.A. § 69-3-108(i). Similarly, TDEC's issuance of a state operating permit in no way guarantees that this land application system will function properly. Notwithstanding these approvals, owners and operators are required to ensure that operation of this system does not result in pollution of waters of the state, including groundwater.

The land application component shall be operated and maintained to ensure complete hydraulic infiltration within the soil profile, transmission of the effluent away from the point of application, and full utilization of the soil profile as a portion of the treatment system.

Instances of surface saturation, ponding or pooling within the land application area as a result of system operation are prohibited. Instances of surface saturation, ponding or pooling 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 issue, and

the date the corrective actions were made. Any instances of surface saturation, ponding or pooling not associated with a major precipitation event not corrected within three days of discovery shall be reported to the local Environmental Field Office at that time for investigation. Surface saturation, ponding or pooling resulting in the discharge of treated wastewater into Waters of the State or to locations where it is likely to move to Waters of the State shall be immediately reported to the local Environmental Field Office, unless the discharge is separately authorized by a NPDES 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.

All drip lines shall be buried and maintained 6 to 10 inches below the ground surface.

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)
- the condition of the land application area including the location of any ponding
- the name of the inspector
- the description of any corrective actions

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.

"Wastewater" for the purpose of this permit means "sewage" as defined in TCA 69-3-103

D. REPORTING

1. Monitoring Results

Monitoring results shall be recorded consistent with the general requirements imposed in Part A above OR in accordance with the operating and maintenance inspection schedule in the permit administrative file record and submitted quarterly.

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. Monitoring results shall be reported in a format approved by the division. 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

Sampling results may be submitted electronically to: DWRWW.Report@tn.gov.

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 Rule 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).

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.

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) of 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 field office 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 discharge of wastewater 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.

d. 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. 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.
- b. Bypasses are prohibited, unless:
 - i. The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
 - ii. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup 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 preventive maintenance; and
 - iii. For anticipated bypass, the permittee submits prior notice, if possible at least ten days before the date of the bypass; or
 - iv. For unanticipated bypass, the permittee submits notice of an unanticipated bypass within 24 hours from the time that the permittee becomes aware of the bypass.

c. A bypass that does not cause effluent limitations to be exceeded may be allowed only if the bypass is necessary for essential maintenance to assure efficient operation.

d. "Severe property damage" when used to consider the allowance of a bypass means substantial physical damage to property, damage to the treatment facilities which causes 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.

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 to the land application area if fenced or all reasonable approaches to the land application area. 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**

No later than sixty (60) days from the effective date of the permit, the permittee shall have the above sign(s) on display in the location specified. New facilities must have the signs installed upon commencing operation.

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 (STEP) 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 wastewater dispersal. 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 dispersal system. Signed agreements stating the intent of the existing landowner to transfer

ownership may be provided to support permit issuance. Evidence of such ownership or access rights must be provided to, and approved by, the Commissioner prior to commencement of operation.

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 event 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 Public Utility Commission) or another public agency.



**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**

Underground Injection Control Authorization No. CUM 0000239

In accordance with Tennessee Code Annotated section 69-3-108 and Rule Chapter 0400-45-06, the following entity is authorized to construct and operate a Class V injection well at the identified property:

Tennessee Wastewater Systems, Inc. - Wyelea Subdivision
3021 Del Rio Pike
(35.95213, -86.91446)
Williamson, TN

This injection well is a subsurface fluid distribution system and is authorized by rule. Fluids authorized for underground injection through this well are limited to sanitary waste. Construction, operation, and abandonment of the injection well must comply with all provisions identified in Rule 0400-45-06-.14 located at <http://publications.tnsosfiles.com/rules/0400/0400-45/0400-45-06.20140505.pdf>. A paper copy of this rule will be provided upon request.

This authorization is issued as a result of the application received on 23-Aug-23, by the Tennessee Department of Environment and Conservation, Division of Water Resources, and in conformity with plans, specifications, and other data submitted in support of the application. Activities associated with the construction, operation and abandonment of the injection well must not present a hazard to groundwater that is currently used or has the potential to be used as an underground source of drinking water.

The owner/operator of a Class V injection well is responsible for notifying the Division of: change in the owner or operator of the well; change in nature of injected fluids; or, intent to abandon the well when it is no longer used or is usable for its intended purpose.

If the owner/operator wishes to continue the activity regulated by this authorization after the expiration date of this authorization, the applicant must apply for and obtain a new authorization prior to the expiration of this authorization.

This authorization shall become effective on:

December 15, 2023

This authorization shall expire on:

December 14, 2028

Bryan Pope
Division of Water Resources

RATIONALE

Tennessee Wastewater Systems Inc.
STATE OPERATION PERMIT NO. SOP-23022
Franklin, Williamson County, Tennessee

Permit Writer: Mr. Bryan Pope

FACILITY CONTACT INFORMATION:

Mr. Jeff Riden
Chief Executive Officer
Phone: (615) 220-7171
jeff.riden@adenus.com
3021 Del Rio Pike
Smyrna, TN 37167

Activity Description: Treatment of domestic wastewater via a decentralized waste water system to support construction of Wyelea Subdivision with 69 house connections and some commercial flow available.

Facility location: Latitude 35.95213 and Longitude -86.91446

Name of the nearest stream: No discharge allowed.

Treatment system:

Permit period: This permit will be issued for a five year period effective from the issuance date on the title page.

Terms & Conditions: BOD₅ is a standard measure of sewage strength. The 45 mg/L daily maximum limit is the required treatment standard for domestic waste water in Tennessee. Ammonia and BOD₅ reporting serve to demonstrate the treatment system is meeting minimum treatment standards. Land application, versus stream discharge, enables reduced monitoring frequency for these parameters. Narrative conditions for drip disposal and septage management are proposed in support of proper system operation to prevent runoff to streams and avoidance of nuisance conditions. E.coli limits apply when the disposal area is not fenced.

Financial Security: Municipalities and Utility Districts are government entities exempt from the financial security requirement in TCA 69-3-122.

Annual Maintenance Fee: An annual maintenance fee for the permit will apply after permit issue and upon receipt of an invoice.

**Items Requisite for
Operation:**

This draft permit proposes terms and conditions for planning purposes and to seek public comment on the potential water quality impacts of the proposed activity. Actual operation of the sewerage system is contingent on the following items (items may occur in any order):

- Approval of sewerage system construction plans and specifications per TCA 69-3-108(i),
- Final construction inspection and submission of O &M manual per Rule 0400-40-02-.09,
- Utility ownership of sewerage system assets consistent with Rule 0400-40-16-.02(8). Sewerage system assets broadly consist of those units integral to the collection, treatment and disposal of both the solid and liquid component of sewage (i.e. septic tanks and pumps, collection lines, treatment system and drip irrigation area and related appurtenances), and
- Final issue of the permit.