TENNESSEE WASTEWATER SYSTEMS, INC.

AN ADENUS UTILITY

February 19, 2015

docket no. 15-00025

Honorable Herbert Hilliard
Chairman
Tennessee Regulatory Authority
502 Deaderick Street
4th Floor
Nashville, TN 37243

RE: Petition to amend Certificate of Convenience and Necessity

Dear Chairman Hilliard:

Tennessee Wastewater Systems, Inc. desires to expand its service area to include a portion of Williamson County in Tennessee, known as The Enclave at Dove Lake. The attached Petition is in support of our request. The proposed updated tariff sheets accompanying this petition are for informational purposes only.

Sincerely,

Matt Pickney, Operations Manager
Tennessee Wastewater Systems, Inc.

851 Aviation Parkway Smyrna, TN 37167
(615) 220-7200 Fax (615) 220-7207

BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE
_____, 2015

IN RE: PETITION OF TENNESSEE WASTEWATER SYSTEMS, INC. TO AMEND ITS CERTIFICATE OF CONVENIENCE AND NECESSITY

DOCKET No._____

Petition of Tennessee Wastewater Systems, Inc.
To amend its Certificate of Convenience and Necessity

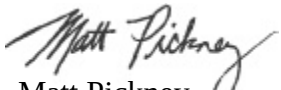
Tennessee Wastewater Systems, Inc. ("TWSI") petitions the Tennessee Regulatory Authority ("TRA") to amend TWSI's Certificate of Convenience and Necessity to expand its service area to include a portion of Williamson County known as The Enclave at Dove Lake subdivision. The project is located near Nolensville Road and Big Oak Road in Williamson County. The property includes parcels 13.00 and 13.02 on Tax Map 83, parcel 1.01 on Tax Map 85, and parcel 11.00 on Tax Map 86, which are represented on the tax maps enclosed (see attached "Exhibit A"). These parcels encompass approximately 222 acres.

We are proposing to provide wastewater service to approximately 165 residential units at The Enclave at Dove Lake. Residential customers will be charged according to residential Rate Class 1, currently set at $45.63 as of the date of this submittal. The wastewater system will be designed and constructed to serve approximately 165 units (approximately 49,500 gallons per day) and can be expanded if needed. The TDEC application for a permit for the Nolensville-Dove Lake Treatment Facility which will serve this project has been submitted and is enclosed (see attached "Exhibit B"). A Letter of Understanding has been signed by Adenus Solutions Group, LLC, TWSI and the developer. It is the intention of the parties that TWSI will own the collection, treatment, and dispersal system, will have a permanent easement on the property that the collection system occupies, and will own the property that the system occupies.

Also enclosed are letters from the Nolensville/College Grove Utility District and the Williamson County Mayor stipulating that neither of these entities will provide sewer service for this parcel. (*Note that the development was to be called Walnut Grove Farms at the time these letters were issued.*) We have also enclosed a letter from the Manager of Nolensville 162, LLC, Pete Ferrari, requesting TWSI to be the public sewer utility provider for the project.

After approval, the projected construction of the system, which is comprised of watertight effluent collection, fixed film treatment, and subsurface drip dispersal, will take approximately 10 to 16 weeks to complete, plus phased collection system installations. The estimated value of the contribution in aid of the construction of the initial wastewater system is approximately $940,500.00.

Respectfully Submitted,



Matt Pickney
Tennessee Wastewater Systems, Inc.

BEFORE THE TENNESSEE REGULATORY AUTHORITY
NASHVILLE, TENNESSEE

IN RE:	**)**	
	)	
PETITION OF TENNESSEE WASTEWATER	**) Docket No. _____**	
SYSTEMS, INC. TO AMEND ITS	**)**	
CERTIFICATE OF CONVENIENCE AND	**)**	
NECESSITY	**)**	

ENCLAVE AT DOVE LAKE
PRE-FILED DIRECT TESTIMONY OF MATT PICKNEY

Q. State your name for the record and your position with the Petitioner, Tennessee Wastewater Systems, Inc.

A. Matt Pickney. I am the Operations Manager of Tennessee Wastewater Systems, Inc.

Q. What is the business of Tennessee Wastewater Systems, Inc. (the Company)?

A. Providing affordable wastewater service in communities where it is presently unavailable.

Q. When did the Company receive its first certificate from the Authority to operate a sewer system in Tennessee?

A. April 4, 1994.

Q. How many certificates has the Company received from the Authority to provide sewer service across the State of Tennessee?

A. Over 100.

Q. Will Tennessee Wastewater Systems comply with all applicable Tennessee Regulatory rules and regulations?

A. Tennessee Wastewater Systems will comply with all applicable Tennessee Regulatory Authority rules and regulations.

Q. Does the Company have the management, technical and financial ability to provide wastewater service in the area in Williamson County sought in this Petition?

A. Yes.

Q. Is there a stated public need for wastewater service in this area?

A. The public need for this service is reflected in the letter from the manger of Nolensville 162, LLC, Pete Ferrari.

Q. How many customers will be served in this development?

A. Our company expects to serve approximately 165 residential units.

Q. Does this conclude your pre-filed testimony?

A. Yes.

I swear that the foregoing testimony is true and correct to the best of my knowledge.

Matt Pickney
Operations Manager
Tennessee Wastewater Systems, Inc.

Subscribed and sworn to me this 19th day of February, 2015.

Notary Public

State of Tennessee

County of Rutherford

My Commission Expires 02/20/2018

SUSAN R. CHAFFIN
STATE OF TENNESSEE NOTARY PUBLIC
RUTHERFORD COUNTY

CERTIFICATE OF SERVICE

The undersigned hereby certifies that the above and foregoing Pre-Filed Direct Testimony of Matt Pickney has been served upon the Tennessee Regulatory Authority, 502 Deaderick Street, Nashville, TN 37243 on this 19th day of February 2015 and delivered by hand.

MATT PICKNEY

NOLENSVILLE 162, LLC
82 PLANTATION POINTE
SUITE 237
FAIRHOPE, AL 36532

January 12, 2015

Mr. Charles Hyatt
President
Tennessee Wastewater Systems, Inc.
851 Aviation Parkway
Smyrna, TN 37167

Dear Mr. Hyatt:

This letter is a request for Tennessee Wastewater Systems, Inc. to provide sewer services for the area(s) near Nolensville Road and Big Oak Road, Williamson County, Tennessee. The areas of interest are identified in Williamson County Tax Map 083, parcels 13.00 and 13.02, Tax Map 085, parcel 1.01, and Tax Map 086, parcel 11.00.

We are proposing to develop a residential subdivision, currently known as the *Enclave at Dove Lake*, with approximately 165 single family lots.

Please feel free to phone with any questions: 251.533.7301.

Sincerely,

Pete Ferrari
Manager

Rogers C. Anderson
Williamson County Mayor

WILLIAMSON COUNTY GOVERNMENT

December 3, 2014

VIA UNITED STATES MAIL

Mr. Jamie Reed, P.E., R.L.S.
SEC, Inc.
850 Middle Tennessee Blvd.
Murfreesboro, TN 37129

Re: Sewer Request – Walnut Grove Farms Subdivision,
Tax Map 83, Parcels 13.00 and 13.02
Tax Map 85, Parcel 01.01
Tax Map 86, Parcel 11.00

Mr. Reed:

On November 21, 2014, Williamson County received your request that sewer service be provided to the above-named property. In response to your inquiry, this correspondence confirms that Williamson County Government does not currently provide public sanitary sewer service and has no plans in the foreseeable future to provide said service.

I hope this information is helpful. Should you need anything further, please do not hesitate to contact me.

Sincerely,

Rogers Anderson
County Mayor

N Nolensville/College Grove Utility District
C P.O. Box 127, 2000 Johnson Industrial Blvd., Nolensville, TN 37135
G Phone No. 615-776-2511 - Fax No. 615-776-2591

Quality On Tap!

November 12, 2014

Jamie Reed, President
Site Engineering Consultants, Inc.
850 Middle Tennessee Blvd.
Murfreesboro, TN 37219

Re: Walnut Grove Farms Subdivision
Sanitary Sewer Service

Dear Mr. Reed.

The Board of Commissioners, at its regular meeting on November 11, 2014, did approve your request to release its charter rights to provide sanitary sewer service to the proposed development known as Walnut Grove Farms Subdivision and depicted as Map 83, Parcels 13.00, 13.02, Map 085, Parcel 1.01 and Map 86, Parcel 11.00.

Please feel free to contact me if I can be of further assistance.

Sincerely,

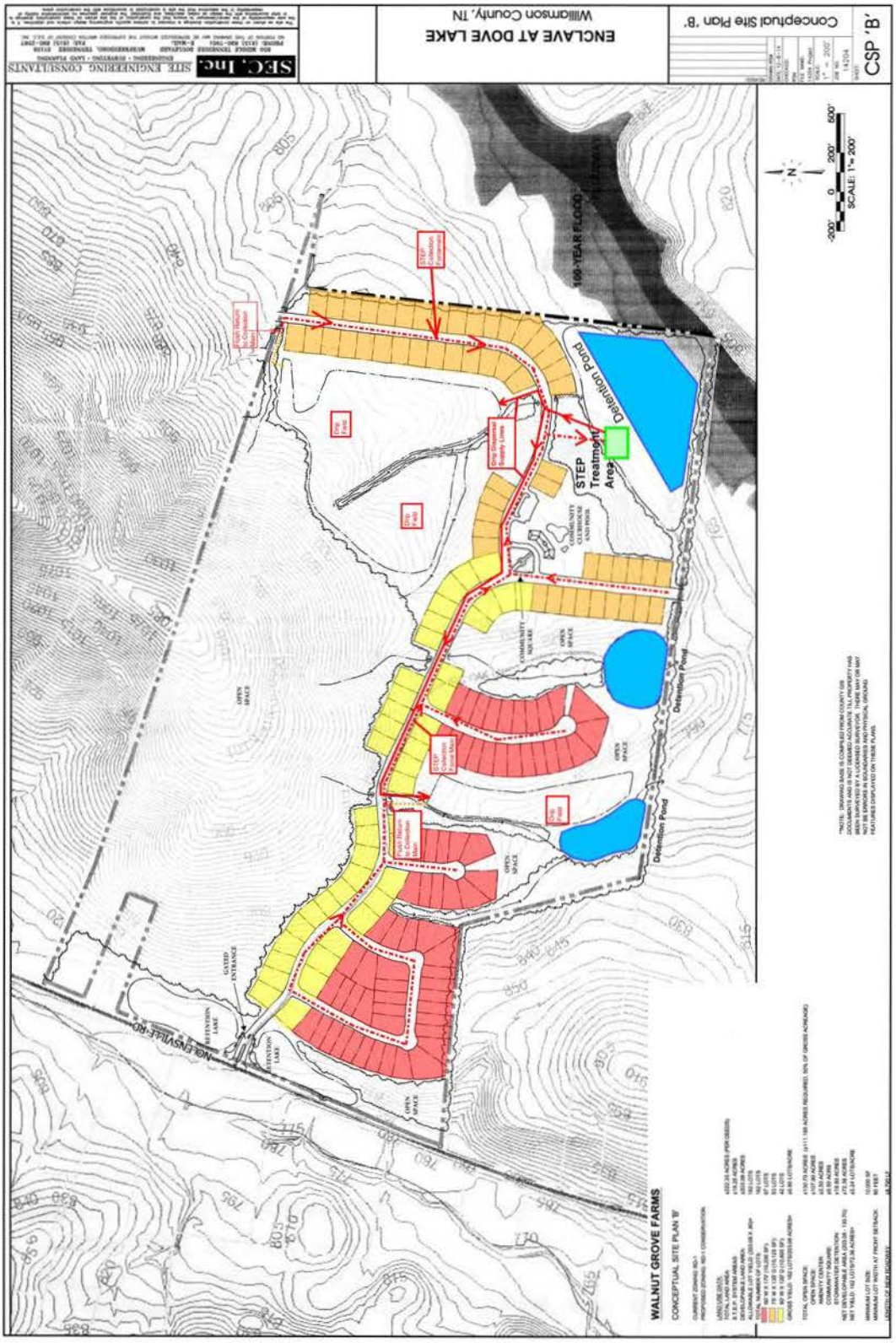
Charles Strasser

Charles Strasser
General Manager

Exhibit "A"

Aerial Map

SEC Project No. 14204



Conceptual STEP System Layout

SEC Project No. 14204

SECTION 4 – RESIDENTIAL RATES SHEET

	Total	Escrow**
RATE CLASS 1		
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1	**$45.63**	**$10.13 (D)**
RATE CLASS 2		
Fixed Film Treatment, Drip Dispersal, Franchise Rate #1, Bonding Rate #1	**$46.95**	**$10.13 (D)**
RATE CLASS 3		
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #3	**$45.63**	**$10.13 (D)**
RATE CLASS 4		
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #4	**$45.63**	**$10.13 (D)**
RATE CLASS 5		
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1	**$40.62**	**$8.43 (D)**
RATE CLASS 6		
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1, Franchise Rate #2	**$41.79**	**$8.43 (D)**
RATE CLASS 7		
Deep Cell Pond Treatment, Point Discharge Dispersal, Bonding Rate #1	**$40.62**	**$8.43 (D)**
RATE CLASS 8		
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #4	**$40.62**	**$8.43 (D)**
RATE CLASS 9		
Standard base Collection, Pass-through treatment costs	**$25.42** + Treatment Costs	**$6.35 (D)**
RATE CLASS 10		
DCP Treatment, Drip Dispersal, Loan Costs, Lease Costs, Bonding Rate #1	**$56.46***	**$8.43 (D)**

*Applies to Southridge once the new treatment facility is placed in service
**Escrow amount is included in the Total

Enclave at Dove Lake

Projected Subdivision Build-Out

		Total # of customers	
		Residential	**Commercial**
2015	-	5 customers	0 customers
2016	-	35 customers	0 customers
2017	-	75 customers	0 customers
2018	-	120 customers	0 customers
2019	-	165 customers	0 customers

Estimated System Costs and Revenues for Five Years

	2015	**2016**	**2017**	**2018**	**2019**
Costs	$1,287	$18,015	$38,603	$61,765	$84,927
Revenues	$1,369	$19,165	$41,067	$65,707	$90,347

Tennessee Anytime

Secretary of State
Business Information Search

Secretary of State Web Site | Instructions

Name	I.D. Number
TENNESSEE WASTEWATER SYSTEMS, INC.	0263864

Business Type*:	CORPORATION
Profit/Nonprofit:	FOR PROFIT
Status*:	ACTIVE
Date of Formation/Qualification:	03/16/1993
Domestic/Foreign:	DOMESTIC
Place of Incorporation/Organization:	DAVIDSON
Duration:	PERPETUAL
FYC(Fiscal Year Closing) Month:	DECEMBER

Principal Office:

Address Line 1:	861 AVIATION PKWY
Address Line 2:	
City:	SMYRNA
State:	TN
Zip:	37167
Other than USA:	

Registered Agent:

Name:	LARRY R. WILLIAMS
Address Line 1:	329 UNION STREET
Address Line 2:	
City:	NASHVILLE
State:	TN
Zip:	372190632

Business Filing History

* Important Note: Business filing History includes information about (1) the basis for an inactive status and (2) the current true name and filing status of a business with an assumed name or a changed status.

Note: This information is current as of three working days prior to today's date.

Search Again

Report a Technical Issue

Class C Water Annual Report

for the

Tennessee Regulatory Authority

Tennessee Wastewater Systems

2013

Prepared for

The Energy and Water Division

STATE OF TENNESSEE

COUNTY OF . RUTHERFORD

We the undersigned Charles R. Hyatt
and
of Tennessee Wastewater Systems, Inc.

on our oath do severally say that the foregoing return has been prepared, under our direction, from the original books, papers and records of said utility; that we have carefully examined the same, and declare the same to be a correct statement of the business and affairs of said utility for the period covered by the return in respect to each and every matter and thing therein set forth, to the best of our knowledge, information and belief.

Charles R. Hyatt
(Chief Officer)

.....

(Officer in charge of accounts)

Subscribed and sworn to before me this...26th
day of.....March 2014
.....
Notary Public Susan R. Chaffin Cou
My commission will expire...03/20/2018

SUSAN R. CHAFFIN
STATE OF TENNESSEE NOTARY PUBLIC
RUTHERFORD COUNTY

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Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	March 24, 2014	FYE 12/31/2013

IDENTIFICATION & OWNERSHIP

Report of: Tennessee Wastewater Systems, Inc.
(REPORT THE EXACT NAME OF UTILITY)

Located at: 851 Aviation Parkway
Smyrna, TN 37167

Year Ended: 2013

Date Utility was Originally Organized:

Location of Office Where Accounts and Records are Kept:
851 Aviation Parkway, Smyrna, TN 37167

Give the Name,Title,&Office Address of the Officer of the Utility to Whom Correspondence Should be Addressed Conc
Charles Hyatt - President
851 Aviation Parkway, Smyrna TN 37167

Telephone: 615-220-7200

OFFICERS & MANAGERS

NAME	TITLE	SALARY
Charles Hyatt	President	0
Charles Pickney Jr.	Vice President	0
Robert Pickney	Vice President	0
William Pickney	Secretary	0
Thomas Pickney	Vice President	0

OWNERSHIP

Report every corporation or individual owning or holding directly or indirectly 5 percent or more of the voting securities of the reporting utility.

Name (a)	Address (b)	Percent Ownership In Utility (c)	Salary Charged Utility (d)	Meetings Attended During Year (e)
Adenus Group, LLC	849 Aviation Parkwy	100		

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

INCOME STATEMENT

Account Name (a)	Ref Page (b)	Water (c)	Sewer (d)	Other (e)	Total (f)
Gross Revenue:					
Residential		-	1,120,740	-	1,120,740
Commercial		-	269,484	-	269,484
Industrial		-	-	-	-
Multi-Family		-	-	-	-
Access Fees		-	206,173	-	206,173
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Total Gross Revenue		-	**1,596,397**	-	**1,596,397**
Operation & Maint. Expense	W3/S3	-	1,496,973	-	1,496,973
Depreciation Expense	F-5	-	1,219	-	1,219
Amortization Expense		-	-	-	-
Other Expense (Please Specify)		-	-	-	-
Other Expense (Please Specify)		-	-	-	-
Taxes Other Than Income	F-7	-	161,916	-	161,916
Income Taxes	F-7	-	136,365	-	136,365
Total Operating Expenses		-	**1,796,473**	-	**1,796,473**
Net Operating Income		-	**(200,076)**	-	**(200,076)**
Other Income:					
Nonutility Income		-	146,581	-	146,581
Interest Income		-	130	-	130
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Total Other Income		-	**146,711**	-	**146,711**
Other Deductions:					
Misc. Nonutility Expenses		-	51,801	-	51,801
Interset Expense		-	-	-	-
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Other (Please Specify)		-	-	-	-
Total Other Deductions		-	**51,801**	-	**51,801**
Net Income		-	**(105,166)**	-	**(105,166)**

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

COMPARATIVE BALANCE SHEET

Account Name (a)	Ref Page (b)	Current Year (c)	Previous Year (d)
ASSETS			
Utility Plant in Service (101-105)	F5/W1/S1	21,486,250	25,793,837
Accum. Depreciation and Amortization (108)	F5/W2/S2	5,653,398	4,975,074
Net Utility Plant		**15,832,852**	**20,818,763**
Cash		15,320	32,708
Customer Accounts Receivable (141)		610,565	590,069
Deposit		85	14,800
Other Assets (Please Specify)		0	0
Other Assets (Please Specify)		0	0
Other Assets (Please Specify)		0	0
Total Assets		**16,458,822**	**21,456,340**
LIABILITIES AND CAPITAL			
Common Stock Issued (201)	F-6	1,000	1,000
Preferred Stock Issued (204)	F-6	0	0
Other Paid-In Capital (211)		0	0
Retained Earnings (215)	F-6	207,450	152,037
Capital (Proprietary & Partnership-218)	F-6	0	0
Total Capital		**208,450**	**153,037**
Long-Term Debt (224)	F-6	0	0
Accounts Payable (231)		509,475	504,363
Notes Payable (232)		0	0
Customer Deposits (235)		32	0
Accrued Taxes (236)		0	0
Property Tax Accrual		60,000	60,032
			0
Operating Reserves		(180,717)	(74,646)
TDEC Fees		33,580	0
Other Liabilities (Please Specify)		0	0
Advances for Construction		0	0
Contributions In Aid Of Const.-Net (271-2)	F-8	15,828,002	20,813,554
Total Liabilities		**16,250,372**	**21,303,303**

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

NET UTILITY PLANT

Plant Accounts (101-107) Inclusive (a)	Water (c)	Sewer (d)	Other (e)	Total (f)
Utility Plant in Service (101)	0	21,486,250	0	21,486,250
Construction Work in Progress (105)	0	0	0	0
Other (Please Specify)	0	0	0	0
Other (Please Specify)	0	0	0	0
Other (Please Specify)	0	0	0	0
Other (Please Specify)	0	0	0	0
Other (Please Specify)	0	0	0	0
Other (Please Specify)	0	0	0	0
Total Utility Plant	**0**	**21,486,250**	**0**	**21,486,250**

ACCUMULATED DEPRECIATION AND AMORTIZATION OF UTILITY PLANT

Account 108 (a)	Water (c)	Sewer (d)	Other (e)	Total (f)
Balance First of Year	**0**	4,975,074	0	**4,975,074**
Credits During Year:				
Accruals charged to Depreciation Account	0	1,219	0	1,219
Salvage	0	0	0	0
Other Credits (Please Specify):	0	677,105	0	677,105
Other Credits (Please Specify):	0	0	0	0
Other Credits (Please Specify):	0	0	0	0
Other Credits (Please Specify):	0	0	0	0
Total Credits	**0**	**678,324**	**0**	**678,324**
Debits During Year:				
Book/Historical Cost of Plant Retired	**0**	0	0	0
Cost of Removal	0	0	0	0
Other Debits (Please Specify):	0	0	0	0
Other Debits (Please Specify):	0	0	0	0
Other Debits (Please Specify):	0	0	0	0
Other Debits (Please Specify):	0	0	0	0
Total Debits	**0**	**0**	**0**	**0**
Balance End of Year	**0**	**5,653,398**	**0**	**5,653,398**

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

CAPITAL STOCK (201 - 204)

(a)	Common Stock (b)	Preferred Stock (c)
Par or stated value per share	1	-
Shares Authorized	1,000	-
Shares issued and outstanding	1,000	-
Total par value of stock issued	1,000	-
Dividends declared per share for year	0	0

RETAINED EARNINGS (215)

(a)	Appropriated (b)	Unappropriated (c)
Balance first of year	-	152,037
Changes during year NET INCOME/(NET LOSS)	-	(105,166)
Intercompany Liabilities	-	160,579
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Balance end of year	**0**	**207,450**

PROPRIETARY CAPITAL (218)

NONE (a)	Proprietor (b)	Partner (c)
Balance first of year	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Changes during year (Please Specify)	-	-
Balance end of year	**0**	**0**

LONG-TERM DEBT (224)

Obligation including Issue & Maturity Dates NONE (a)	Interest Rate (b)	Year End Balance (c)
Debt #1	0.00%	-
Debt #2	0.00%	-
Debt #3	0.00%	-
Debt #4	0.00%	-
Debt #5	0.00%	-
Debt #6	0.00%	-
Debt #7	0.00%	-
Debt #8	0.00%	-
Debt #9	0.00%	-
Debt #10	0.00%	-
Debt #11	0.00%	-
Debt #12	0.00%	-
Total Long-Term Debt		**0**

Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	March 24, 2014	FYE 12/31/2013

TAXES ACCRUED (236)

Description (a)	Water (b)	Sewer (c)	Other (d)	Total (e)
Balance First of year	-	-	-	0
Accruals Charged:				
Federal Income Tax	-	136,365	-	136,365
Local Property tax	-	66,819	-	66,819
State ad valorem tax	-	-	-	0
TN State Sales Tax	-	-	-	0
Regulatory Assessment Fee	-	-	-	0
Payroll Tax	-	-	-	0
Franchise & Excise	-	95,097	-	95,097
Other Taxes (Please Specify)	-	-	-	0
Total Taxes Accrued	**0**	**298,281**	**0**	**298,281**
Taxes Paid				
Federal Income Tax	-	136,365	-	136,365
Local Property tax	-	66,819	-	66,819
State ad valorem tax	-	-	-	0
TN State Sales Tax	-	-	-	0
Regulatory assessment fee	-	-	-	0
Payroll Tax	-	-	-	0
Franchise & Excise	-	95,097	-	95,097
Other Taxes (Please Specify)	-	-	-	0
Total Taxes Paid	**0**	**298,281**	**0**	**298,281**
Balance End of Year	**0**	**0**	**0**	**0**

PAYMENTS FOR SERVICES RENDERED BY OTHER THAN EMPLOYEES

Report all info concerning rate, management, construction, advertising, labor relations, or other professional services rendered to the Utility for which total payments during the year to any Corp, Ptnshp, indiv, or organization of any kind, amounted to $500 or more.

Name of Recipient	Amount	Description of Service
Clarksville Water & Gas	112,919	Purchased Wastewater Services
Adenus Operations, LLC	853,059	Maintenance
Adenus Technologies, LLC	65,899	Supplies
Bradley, Arant, Boult Cummings	90,636	Legal Services
Dempsey Vantrese	653	Accounting Services
Stites & Harbison	8,243	Legal Services
Tennessee One-Call	5,123	One Call Services
CUSI	9,400	Software
Russell Landscaping	1,805	Lawn Mowing
Pinnacle National Bank	4,673	Bank Fees
River Road LP	2,867	Bonding
Sara Holt	7,381	Land Lease
Van Meter Insurance	88,619	Bonding
Seymour Septic	5,460	Tank Pumping

Name of Respondent	This Report is:	Date of Report (Mo, Da, Yr)	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	March 24, 2014	FYE 12/31/2013

CONTRIBUTIONS IN AID OF CONSTRUCTION (271)

Description (a)	Water (b)	Sewer (c)	Total (d)
Balance First of Year	-	25,776,824	25,776,824
Add Credits During Year	-	-	-
Less Charges During Year	-	4,308,447	4,308,447
Balance End of Year	0	21,468,377	21,468,377
Less Accumulated Amortization	-	5,640,375	5,640,375
Net Contributions in Aid of Construction	0	15,828,002	15,828,002

DITIONS TO CONTRIBUTIONS IN AID OF CONSTRUCTION DURING YEAR (CREDITS)

Report below all developers or contractors agreements fro which cash or property was received during the year (a)	Indicate "Cash" or "Property" (b)	Water (c)	Sewer (d)
Contractor or Developer #1		-	-
Contractor or Developer #2		-	-
Contractor or Developer #3		-	-
Contractor or Developer #4		-	-
Contractor or Developer #5		-	-
Contractor or Developer #6		-	-
Contractor or Developer #7		-	-
Contractor or Developer #8		-	-
Contractor or Developer #9		-	-
Contractor or Developer #10		-	-
Contractor or Developer #11		-	-
Contractor or Developer #12		-	-
Contractor or Developer #13		-	-
Contractor or Developer #14		-	-
Contractor or Developer #15		-	-
Contractor or Developer #16		-	-
Contractor or Developer #17		-	-
Contractor or Developer #18		-	-
Contractor or Developer #19		-	-
Contractor or Developer #20		-	-
Contractor or Developer #21		-	-
Contractor or Developer #22		-	-
Contractor or Developer #23		-	-
Contractor or Developer #24		-	-
Contractor or Developer #25		-	-
Contractor or Developer #26		-	-
Contractor or Developer #27		-	-
Contractor or Developer #28		-	-
Contractor or Developer #29		-	-
Contractor or Developer #30		-	-
Total Credits During Year		0	0

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	March 24, 2014

SEWER UTILITY PLANT ACCOUNTS

Acct No. (a)	Account Name (b)	Previous Year (c)	Additions (d)	Retirements (e)	Current Year (f)
351	Organization	-	-	-	-
352	Franchises	-	-	-	-
353	Land & Land Rights	6,936,378	-	4,307,587	2,628,791
354	Structures & Improvements	-	-	-	-
360	Collection Sewers - Force	210,000	-	-	210,000
361	Collection Sewers - Gravity	2,371,714	-	-	2,371,714
362	Special Collecting Structures	-	-	-	-
363	Services to Customers	-	-	-	-
364	Flow Measuring Devices	-	-	-	-
365	Flow Measuring Installations	-	-	-	-
370	Receiving Wells	-	-	-	-
371	Pumping Equipment	-	-	-	-
380	Treatment & Disposal Equipment	16,262,230	-	-	16,262,230
381	Plant Sewers	-	-	-	-
382	Outfall Sewer Lines	-	-	-	-
389	Other Plant & Miscellaneous Equipment	-	-	-	-
390	Office Furniture & Equipment	13,515	-	-	13,515
391	Transportation Equipment	-	-	-	-
392	Stores Equipment	-	-	-	-
393	Tools, Shop & Garage Equipment	-	-	-	-
394	Laboratory Equipment	-	-	-	-
395	Power Operated Equipment	-	-	-	-
396	Communication Equipment	-	-	-	-
397	Miscellaneous Equipment	-	-	-	-
398	Other Tangible Plant	-	-	-	-
	Total Sewer Plant	25,793,837	-	4,307,587	21,486,250

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) __ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

ANALYSIS OF ACCUMULATED DEPRECIATION BY PRIMARY ACCOUNT - SEWER

Account Number (a)	Account (b)	Average Service Life in Years (c)	Average Salvage Value in Percent (d)	Depreciation Rate Applied* (e)	Accumulated Depreciation Balance Previous Year (f)	Debits (g)	Credits (h)	Accumulated Depreciation Balance End of Year (i)
354	Structures & Improvements	-	0.00%	0.00%	-	-	-	-
360	Collection Sewers - Force	50	0.00%	100.00%	16,811	-	4,200	21,011
361	Collection Sewers - Gravity	50	0.00%	100.00%	400,212	-	47,434	447,646
362	Special Collecting Structures	-	0.00%	0.00%	-	-	-	-
363	Services to Customers	-	0.00%	0.00%	-	-	-	-
364	Flow Measuring Devices	-	0.00%	0.00%	-	-	-	-
365	Flow Measuring Installations	-	0.00%	0.00%	-	-	-	-
370	Receiving Wells	-	0.00%	0.00%	-	-	-	-
371	Pumping Equipment	-	0.00%	0.00%	-	-	-	-
380	Treatment & Disposal Equipment	26	0.00%	100.00%	4,546,247	-	625,471	5,171,718
381	Plant Sewers	-	0.00%	0.00%	-	-	-	-
382	Outfall Sewer Lines	-	0.00%	0.00%	-	-	-	-
389	Other Plant & Miscellaneous Equipment	-	0.00%	0.00%	-	-	-	-
390	Office Furniture & Equipment	7	0.00%	200.00%	11,804	-	1,219	13,023
391	Transportation Equipment	-	0.00%	0.00%	-	-	-	-
392	Stores Equipment	-	0.00%	0.00%	-	-	-	-
393	Tools, Shop & Garage Equipment	-	0.00%	0.00%	-	-	-	-
394	Laboratory Equipment	-	0.00%	0.00%	-	-	-	-
395	Power Operated Equipment	-	0.00%	0.00%	-	-	-	-
396	Communication Equipment	-	0.00%	0.00%	-	-	-	-
397	Miscellaneous Equipment	-	0.00%	0.00%	-	-	-	-
398	Other Tangible Plant	-	0.00%	0.00%	-	-	-	-
	Totals				4,975,074	0	678,324	5,653,398

*State basis used for percetages used in schedule.

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

SEWER OPERATION & MAINTENANCE EXPENSE

N/A

Acct No.	Description (a)	Amount (b)
701	Salaries & Wages - Employees	-
703	Salaries & Wages - Officers, Directors & Stockholders	-
704	Employee Pensions & Benefits	-
710	Purchased Sewage Treatment	112,919
711	Sludge Removal Expense	-
715	Purchased Power	94,040
716	Fuel for Power Production	64,379
718	Chemicals	-
720	Materials & Supplies	1,520
730	Contractual Services	1,094,472
740	Rents	6,945
750	Transportation Expense	-
755	Insurance Expense	641
765	Regulatory Commission Expense	6,058
770	Bad Debt Expense	8,413
775	Miscellaneous Expenses	107,586
	Total Sewer Operation & Maintenance Expense	1,496,973

SEWER CUSTOMERS

Description (a)	Customers First of Year (b)	Additions (c)	Disconnections (d)	Customers End of Year (e)
Metered Customers:				
5/8 Inch	-	-	-	-
3/4 Inch	-	-	-	-
1.0 Inch	-	-	-	-
1.5 Inch	-	-	-	-
2.0 Inch	-	-	-	-
2.5 Inch	-	-	-	-
3.0 Inch	-	-	-	-
4.0 Inch	-	-	-	-
6.0 Inch	-	-	-	-
8.0 Inch	-	-	-	-
Other (Please Specify)	-	-	-	-
Other (Please Specify)	-	-	-	-
Other (Please Specify)	-	-	-	-
Unmetered Customers	2,092	376	-	2,468
Total Customers	2,092	376	0	2,468

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

PUMPING EQUIPMENT

Description*** (a)	Lift Station #1 (b)	Lift Station #2 (c)	Lift Station #3 (d)	Lift Station #4 (e)
Make, Model, or Type of Pump				
Year Installed				
Rated Capacity (GPM)				
Size (HP)				
Power (Electric/Mechanical)				
Make, Model or Type of Motor				

SERVICE CONNECTIONS

Description*** (a)	Service Connection #1 (b)	Service Connection #2 (c)	Service Connection #3 (d)	Service Connection #4 (e)
Size (Inches)				
Type (PVC, VCP, etc)				
Average Length (Feet)				
Connections-Beginning of Year	-	-	-	-
Connections-Added during Year	-	-	-	-
Connection-Retired during Year	-	-	-	-
Connections-End of Year	**0**	**0**	**0**	**0**
Number of Inactive Connections	-	-	-	-

COLLECTING MAINS, FORCE MAINS, & MANHOLES

Description (a)	Collecting Mains (b)	Force Mains (c)	Manholes (d)
Size (Inches)			
Type			
Length/Number-Beginning of Year	-	-	-
Length/Number-Added During Year	-	-	-
Length/Number-Retired During Year	-	-	-
Length/Number-End of Year	0	0	0

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

TREATMENT PLANT

Description*** (a)	Treatment Facility #1 (b)	Treatment Facility #2 (c)	Treatment Facility #3 (d)	Treatment Facility #4 (e)
Manufacturer				
Type				
Steel or Concrete				
Total Capacity				
Average Daily Flow				
Effluent Disposal				
Total Gallons of Sewage Treated				

MASTER LIFT STATION PUMPS

Description*** (a)	Master Pump #1 (b)	Master Pump #2 (c)	Master Pump #3 (d)	Master Pump #4 (e)
Manufacturer				
Capacity (GPM)				
Size (HP)				
Power (Electric/Mechanical)				
Make, Model, or Type of Motor				

OTHER SEWER SYSTEM INFORMATION

Present Number of Equivalent Residential Customer's * being served	
Maximum Number of Equivalent Residential Customer's * that the system can efficiently serve	
Estimated Annual Increase in Equivalent Residential Customers *	

* Equivalent Residential Customers = (Total Gallons Treated / 365 Days) / 275 Gallons Per Day.
Total Gallons Treated includes both sewage treated and purchased sewage treatment.

State any plans and estimated completion dates for any enlargements of this system:

If the present systems do not meet environmental requirements, please submit the following:

A. An evaluation of the present plant or plants in regard to meeting the requirements.

B. Plans for funding and construction of the required upgrading.

C. The date construction will begin.

What is the percent of the certificated area that have service connections installed?

W-1

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

WATER UTILITY PLANT ACCOUNTS

Acct No. (a)	Account Name (b)	Previous Year (c)	Additions (d)	Retirements (e)	Current Year (f)
301	Organization	-	-	-	0
302	Franchises	-	-	-	0
303	Land & Land Rights	-	-	-	0
304	Structures & Improvements	-	-	-	0
305	Collecting & Impounding Reservoirs	-	-	-	0
306	Lake, River & Other Intakes	-	-	-	0
307	Wells & Springs	-	-	-	0
308	Infiltration Galleries & Tunnels	-	-	-	0
309	Supply Mains	-	-	-	0
310	Power Generation Equipment	-	-	-	0
311	Pumping Equipment	-	-	-	0
320	Water Treatment Equipment	-	-	-	0
330	Distribution Reservoirs & Standpipes	-	-	-	0
331	Transmission & Distribution Mains	-	-	-	0
333	Services	-	-	-	0
334	Meters & Meter Installations	-	-	-	0
335	Hydrants	-	-	-	0
339	Other Plant & Miscellaneous Equipment	-	-	-	0
340	Office Furniture & Equipment	-	-	-	0
341	Transportation Equipment	-	-	-	0
342	Stores Equipment	-	-	-	0
343	Tools, Shop & Garage Equipment	-	-	-	0
344	Laboratory Equipment	-	-	-	0
345	Power Operated Equipment	-	-	-	0
346	Communication Equipment	-	-	-	0
347	Miscellaneous Equipment	-	-	-	0
348	Other Tangible Plant	-	-	-	0
	Total Water Plant	0	0	0	0

W-2

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

ANALYSIS OF ACCUMULATED DEPRECIATION BY PRIMARY ACCOUNT - WATER

Account Number (a)	Account (b)	Average Service Life in Years (c)	Average Salvage Value in Percent (d)	Depreciation Rate Applied (e)	Accumulated Depreciation Balance Previous Year (f)	Debits (g)	Credits (h)	Accumulated Depreciation Balance End of Year (i)
304	Structures & Improvements	-	0.00%	0.00%	-	-	-	-
305	Collecting & Impounding Reservoirs	-	0.00%	0.00%	-	-	-	-
306	Lake, River & Other Intakes	-	0.00%	0.00%	-	-	-	-
307	Wells & Springs	-	0.00%	0.00%	-	-	-	-
308	Infiltration Galleries & Tunnels	-	0.00%	0.00%	-	-	-	-
309	Supply Mains	-	0.00%	0.00%	-	-	-	-
310	Power Generating Equipment	-	0.00%	0.00%	-	-	-	-
311	Pumping Equipment	-	0.00%	0.00%	-	-	-	-
320	Water Treatment Equipment	-	0.00%	0.00%	-	-	-	-
330	Distribution Reservoirs & Standpipes	-	0.00%	0.00%	-	-	-	-
331	Transmission & Distribution Mains	-	0.00%	0.00%	-	-	-	-
333	Services	-	0.00%	0.00%	-	-	-	-
334	Meter & Meter Installations	-	0.00%	0.00%	-	-	-	-
335	Hydrants	-	0.00%	0.00%	-	-	-	-
339	Other Plant & Miscellaneous Equipment	-	0.00%	0.00%	-	-	-	-
340	Office Furniture & Equipment	-	0.00%	0.00%	-	-	-	-
341	Transportation Equipment	-	0.00%	0.00%	-	-	-	-
342	Stores Equipment	-	0.00%	0.00%	-	-	-	-
343	Tools, Shop & Garage Equipment	-	0.00%	0.00%	-	-	-	-
344	Laboratory Equipment	-	0.00%	0.00%	-	-	-	-
345	Power Operated Equipment	-	0.00%	0.00%	-	-	-	-
346	Communication Equipment	-	0.00%	0.00%	-	-	-	-
347	Miscellaneous Equipment	-	0.00%	0.00%	-	-	-	-
348	Other Tangible Plant	-	0.00%	0.00%	-	-	-	-
	Totals				-	-	-	-

*State basis used for percetages used in schedule.

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

WATER OPERATION & MAINTENANCE EXPENSE

Acct No.	Description (a)	Amount (b)
601	Salaries & Wages - Employees	-
603	Salaries & Wages - Officers, Directors & Stockholders	-
604	Employee Pensions & Benefits	-
610	Purchased Water	-
615	Purchased Power	-
616	Fuel for Power Production	-
618	Chemicals	-
620	Materials & Supplies	-
630	Contractual Services	-
640	Rents	-
650	Transportation Expense	-
655	Insurance Expense	-
665	Regulatory Commission Expense	-
670	Bad Debt Expense	-
672	Miscellaneous Expenses	-
	Total Water Operation & Maintenance Expense	**0**

WATER CUSTOMERS

Description (a)	Customers First of Year (b)	Additions (c)	Disconnections (d)	Customers End of Year (e)
Metered Customers:				
5/8 Inch	-	-	-	-
3/4 Inch	-	-	-	-
1.0 Inch	-	-	-	-
1.5 Inch	-	-	-	-
2.0 Inch	-	-	-	-
2.5 Inch	-	-	-	-
3.0 Inch	-	-	-	-
4.0 Inch	-	-	-	-
6.0 Inch	-	-	-	-
8.0 Inch	-	-	-	-
Other (Please Specify)	-	-	-	-
Other (Please Specify)	-	-	-	-
Other (Please Specify)	-	-	-	-
Unmetered Customers	-	-	-	-
Total Customers	**0**	**0**	**0**	**0**

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

PUMPING AND PURCHASED WATER STATISTICS

Description (1) (a)	Water Purchased for Resale (b) in thousands	Water Pumped from Wells (c) in thousands	Total Water Pumped and Purchased (d) in millions	Water Sold To Customers (e)
January	-	-	-	-
February	-	-	-	-
March	-	-	-	-
April	-	-	-	-
May	-	-	-	-
June	-	-	-	-
July	-	-	-	-
August	-	-	-	-
September	-	-	-	-
October	-	-	-	-
November	-	-	-	-
December	-	-	-	-
Total for the Year	-	-	-	-

SALES FOR RESALE

Indicate below the identity of any utilities or vendors purchasing water for resale.

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

WELLS AND WELL PUMPS

Description*** (a)	Well #1 (b)	Well #2 (c)	Well #3 (d)	Well #4 (e)
Year Constructed				
Type of Well Construction				
Type of Well Casing				
Depth of Well (Feet)				
Diameter of Well (Feet				
Pumping Capacity (GPM)				
Motor Size (HP)				
Yields of Well (GPD)				
Auxilary Power				

RESERVOIRS

Description*** (a)	Reservoir #1 (b)	Reservoir #2 (c)	Reservoir #3 (d)	Reservoir #4 (e)
Construction (Steel, Concrete, Pneumatic)				
Capacity (Gallons)				
Ground or Elevated				

HIGH SERVICE PUMPING

Motor Description*** (a)	Motor #1 (b)	Motor #2 (c)	Motor #3 (d)	Motor #4 (e)
Manufacturer				
Type				
Rated Horsepower				

Pump Description*** (a)	Pump #1 (b)	Pump #2 (c)	Pump #3 (d)	Pump #4 (e)
Manufacturer				
Type				
Capacity in Gallons per Minute				
Average Number of Hours Operated Per Day				
Auxilary Power				

***If more space is needed to list equipment please attach additional sheets as necessary.

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

SOURCE OF SUPPLY

List for each source of supply:

Description	Source #1	Source #2	Source #3	Source #4
Gallons per day of source				
Type of Source				

WATER TREATMENT FACILITIES

List for each water treatment facility:

Description	Facility #1	Facility #2	Facility #3	Facility #4
Type				
Make				
Gallons per day capacity				
Method of Measurement				

OTHER WATER SYSTEM INFORMATION

Furnish information below for each system not physically connected with another facility.

Present Equivalent Residential Customer's * now being served	
Maximum Equivalent Residential Customer's * that the system can efficiently serve	
Estimated annual increase in Equivalent Residential Customers *	
* Equivalent Residential Customer= (Total Gallons Sold / 365 days) / 350 Gallons Per Day	

List fire fighting facilities and capacities:

_____

_____

List percent of certificated area where service connections are installed

_____

_____

What are the current needs and plans for system upgrading and/or expansion

_____

_____

State the name and address of any engineers that plans for system upgrading and/or expansion have been discussed with

_____

Name of Respondent	This Report is:	Date of Report	Year of Report
Tennessee Wastewater Systems, Inc.	(1) _X_ An Original (2) ___ A Resubmission	(Mo, Da, Yr) March 24, 2014	FYE 12/31/2013

SUPPLEMENTAL FINANCIAL DATA TO THE ANNUAL REPORT

Rate Base

Additions:	
Plant In Service	
Construction Work in Progress	
Property Held For Future Use	
Materials & Supplies	
Working Capital Allowance	
Other Additions - Common Plant Alloc from Parent Company	
Other Additions (Please Specify)	
Total Additions to Rate Base	**0**
Deductions:	
Accumulated Depreciation	
Accumulated Deferred Income Taxes	
Pre 1971 Unamortized Investment Tax Credit	
Customer Deposits	
Contributions in Aid of Construction	
Other Deductions (Please Specify)	
Other Deductions (Please Specify)	
Total Deductions to Rate Base	**0**
Rate Base	**0**

Adjusted Net Operating Income

Operating Revenues:	
Residential	278,302
Commercial	1,072,309
Industrial	
Public Authorities	
Multiple Family	
Fire Protection	
All Other	208,212
Total Operating Revenues	**1,558,823**
Operating Expenses:	
Operation	1,496,205
Depreciation	1,219
Amortization	
Taxes Other Than Income Taxes	113,362
Income Taxes	
Total Operating Expense	**1,610,786**
Net Operating Income	**(51,963)**
Other (Please Specify)	
Other (Please Specify)	
Adjusted Net Operating Income	**(51,963)**
Rate of Return (Line 49 / Line 25)	**0.00%**

Company Name:	Tennessee Wastewater Systems, Inc.
Report Period:	FYE 12/31/2013
Report Date:	March 24, 2014

INCOME STATEMENT:	Amount for 1st Reference	Amount for 2nd Reference	Difference
1. Line 20 on F3, Col. "C" agrees w/line 22on W3, Col. "B"	-	-	0
2. Line 20 on F3, Col. "D" agrees w/line 23on S3, Col. "B"	1,496,973	1,496,973	0
3. Line 21 on F3, Col. "F" agrees w/line 39 on F5, col. "F"	1,219	678,324	(677,105)
4. Line 21 on F3, col. "C" agrees w/line 32 on W2, col. "H"	-	-	0
5. Line 21 on F3, col. "D" agrees w/line 30 on S2, col. "H"	-	678,324	(678,324)
7. Line 25 on F3 col. "F" agrees w/lines 22-28 minus line 7 on F7, col. "E"	161,916	161,916	0
8. Line 26 on F3, col. "F" agrees w/line 10 on F7, col. "E"	136,365	136,365	0
9. Line 26 on F3, col. "F" agrees w/line 21 on F7, col. "E"	136,365	136,365	0

BALANCE SHEET:	Amount for 1st Reference	Amount for 2nd Reference	Difference
1. Line 10 on F4, col. "C" agrees w/line 16 on F5, col. "F".	21,486,250	21,486,250	0
2. Line 10 on F4, col. "C" agrees w/lines 34, W1, col. "F" & 32, S1, col. "F".	21,486,250	21,486,250	0
3. Line 11 on F4, col. "C" agrees w/line 52 on F5, col. "F".	5,653,398	5,653,398	0
4. Line 11 on F4, col. "C" agrees w/lines 32, W2, col. I & 30, S2, col. I	5,653,398	5,653,398	0
5. Line 27 on F4, col. "C" agrees w/line 10 on F6, col. "B".	1,000	1,000	0
6. Line 28 on F4, col. "C" agrees w/line 10 on F6, col. "C".	-	-	0
7. Line 30 on F4, col. "C" agrees w/line 24 on F6, cols. "B" & "C".	207,450	207,450	0
8. Line 31 on F4, col. "C" agrees w/line 37 on F6, cols. "B" & "C".	-	-	0
9. Line 37 on F4, col. "C" agrees w/line 55 on F6, col. "C".	-	-	0
10. Line 41 on F4, col. "C" agrees w/line 32 on F7, col. "E".	-	-	0
11. Line 48 on F4, col. "C" agrees w/line 13 on F8, col. "D".	15,828,002	15,828,002	0
12. Line 8 on F8, col. "D" agrees w/line 55 on F8, cols. "C & D".	-	-	0

Exhibit "B"

SOP APPLICATION – page 1

Permit Number: SOP-_____

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	**Tennessee Wastewater Systems, Inc. / Nolensville-Dove Lake Treatment Facility**
Permittee Address:	**851 Aviation Parkway Smyrna, TN 37167**

Official Contact: **Charles Hyatt**	Title or Position: **President**		
Mailing Address: **851 Aviation Pkwy**	City: **Smyrna**	State: **TN**	Zip: **37167**
Phone number(s): **(615) 220-7200**	E-mail:		

Optional Contact: **Jesse Hutcherson**	Title or Position: **Operator**		
Address: **849 Aviation Pkwy**	City: **Smyrna**	State: **TN**	Zip: **37167**
Phone number(s): **office (615) 220-7200**	E-mail:		

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	Signature	Date
Charles Hyatt - President	C R. H	2-12-15

OFFICIAL STATE USE ONLY

Received Date	Permit Number	Field Office	Reviewer
	SOP		

Permit Number: SOP-_____

Facility Identification:		**Existing Permit No.**	
Facility Name:	**Nolensville-Dove Lake Treatment Facility**	County:	**Williamson**
Facility Address or Location:	**At Nolensville Road and Big Oak Lane**	Latitude:	**N 35° 54'09"**
		Longitude:	**W 86° 39'10"**

Name of Engineer for the project: **Mark P. Lee P.E.**

Engineer address and phone number: **850 Middle Tennessee Blvd. 615-890-7901**

Name and distance to nearest receiving waters: **Arrington Creek east side of the property**

If any other State or Federal Water/Wastewater Permits have been obtained for this site, list their permit numbers:
None

Name of company, utility, or governmental entity that will operate the permitted system: **Tennessee Wastewater**

Operator address: **851 Aviation Pkwy**
Smyrna TN 37167

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)? ☒ Yes ☐ No ☐ 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. **Tennessee Wastewater Systems Inc. will own the facility and site.**

Name of Public Water Provider: **Nolensville College Grove Utility District**
Charles Strasser 615-776-2511
ncgud@aol.com

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) **4941 - water system, 4959 – Sewage treatment, 4971 - Irrigation**

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)
☐ City, town or county	No. of connections:		
☒ Subdivision	No. of homes: **165**	Avg. No. bedrooms per home: **3-4 @ 300gpd/home**	**49,500**
☐ School	No. of students:	Size of cafeteria(s): No. of showers: **0**	
☐ Apartment	No. of units:	No. units with Washer/Dryer hookups: No. units without W/D hookups:	
☐ Commercial Business	No. of employees:	Type of business:	
☐ Industry	No. of employees:	Product(s) manufactured:	
☐ Resort	No. of units:		
☐ Camp	No. of hookups:		
☐ RV Park	No. of hookups:	No. of dump stations:	
☐ Car Wash	No. of bays:		
☐ Other			

Describe the type and frequency of activities that result in wastewater generation.

The treatment and land application of typical domestic waste.

Permit Number: SOP-_____

Engineering Report (required for collection systems and/or land application treatment systems):	☐ N/A
☒ Prepared in accordance with Rule 1200-4-2-.03 and Section 1.2 of the Tennessee Design Criteria (see website for more information)	
☒ Attached, or	
☐ Previously submitted and entitled: Approved? ☐ Yes. Date: ☐ No	

Wastewater Collection System:	☐ N/A
System type (i.e., gravity, low pressure, vacuum, combination, etc.): **Watertight effluent pressure collection system**	
System Description: **2", 3", and 4" diameter SDR 21 PVC pressure pipe and required fittings**	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): **Each home has a minimum of 24-36 hours storage in the STEP tank. Heavy rains have a minimal impact on the watertight collection system. Small generators can be connected to the pump stations and treatment system as necessary during an extended power outage.**	
In the event of a system failure describe means of operator notification: **All pumps have redundancy & alarms.**	
List the **emergency** contact(s) (name/phone): **Jesse Hutcherson /615-220-7200**	
For low-pressure systems, who is responsible for maintenance of STEP/STEG tanks and pumps or grinder pumps (list all contact information)? **STEP tanks – Tennessee Wastewater, 851 Aviation Parkway, Smyrna, TN 37167 (615) 220-7200**	
Approximate length of sewer (excluding private service lateral): **8,000 linear feet**	
Number/hp of lift stations: / Number/hp of lift pumps /	
Number/volume of low pressure and or grinder pump tanks **Proposed 1-5000 gal Recirc Tank, 1-3,000 gal Final Dose Tank** Number/volume septic tanks **165~1,500 STEP tanks**	
Attach a schematic of the collection system. ☒ 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°)
None		

Land Application Treatment System:	☐ N/A
Type of Land Application Treatment System: ☒ Drip ☐ Spray ☐ Other, explain:	
Type of treatment facility preceding land application (recirculating media filters, lagoons, other, etc.): **Recirculating media filter**	
Attach a treatment schematic. ☒ Attached	
Describe methods to prevent and respond to any bypass of treatment or discharges (i.e., power failures, equipment failures, heavy rains, etc.): **The existing septic tank and proposed STEP tanks are sized for peak daily flow storage for the purpose of power failures and equipment failures.**	
For New or Modified Projects: **Enclave at Dove Lake** Name of Developer for the project: **Himanshu Amin**	
Developer address and phone number: **6046 FM 2920 Rd # 512 Spring, Tx 77379 (281)-376-1500**	
For land application, list: ☒ Proposed acreage involved: **approx. 11.3 acres total, 5.68 acres plus reserve** ☒ Inches/week gpd/sq.ft loading rate to be applied: **approximately 0.2 gpd/sf loading rate**	
Is wastewater disinfection proposed?	
☐ Yes Describe land application area access:	
☒ No Describe how access to the land application area will be restricted **fence with access gates**	

Permit Number: SOP-_____

Attach required additional Engineering Report Information (see website for more information)

☒ Topographic map (1:25,000 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.

☒ 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.

☒ 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.

☒ 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.

☒ 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) see 2.0

☒ A general description of all past and present groundwater uses as well as the general groundwater flow direction and general water quality. see 3.0

☒ A general description of the population and cultural development within the AOR, i.e. ☒ agricultural, ☐ commercial, ☐ residential or ☐ mixed. see 4.0

☒ Nature of injected fluid to include physical, chemical, biological or radiological characteristics. see 5.0

☒ 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) see 6.0

☐ 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.

☒ Description of system, Volume of injected fluid in gallons per day based upon design flow, including any monitoring wells see 7.0

☒ Nature and type of system, including installed dimensions of wells and construction materials see 8.0

Pump and Haul:	☒ 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.):	

Holding Ponds (for non-domestic wastewater only):	☒ N/A
Pond use: ☐ Recirculation ☐ Sedimentation ☐ Cooling ☐ Other (describe):	

Permit Number: SOP-_____

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? ☐ Yes ☐ No
If so, describe disposal plan:
Is the pond ever dewatered? ☐ Yes ☐ No
If so, describe the purpose for dewatering and procedures for disposal of wastewater and/or sludge:
Is(are) the pond(s) aerated? ☐ Yes ☐ No
Volume of pond(s): gal. **Dimensions:**
Is the pond lined (Note if this is a new pond system it must be lined for SOP coverage. Otherwise, you must apply for an Underground Injection Control permit.)? ☐ Yes ☐ No
Describe the liner material (if soil liner is used give the compaction specifications):
Is there an emergency overflow structure? ☐ Yes ☐ No
If so, provide a design drawing of structure.
Are monitoring wells or lysimeters installed near or around the pond(s)? ☐ Yes ☐ No
If so, provide location information and describe monitoring protocols (attach additional sheets as necessary):
Attach required additional Information
☒ 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.
☒ 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)
☒ Description of all past and present uses of groundwater within the AOR, as documented by public record.
☒ 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..
☒ 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.
☒ 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..
☐ 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: ☒ N/A

☐ Individual Operator ☐ Fleet Operation Operator

Indicate the type of equipment, vehicle, or structure to be washed during normal operations (check all that apply):

☐ Cars ☐ Parking Lot(s): sq. ft.

☐ Trucks ☐ Windows: sq. ft.

☐ Trailers (Interior washing of dump-trailers, or tanks, is prohibited.) ☐ Structures (describe):

☐ Other (describe):

Wash operations take place at (check all that apply):

☐ Car sales lot(s) ☐ Public parking lot(s)

☐ Private industry lot(s) ☐ Private property(ies)

☐ County(ies), list: ☐ Statewide

Wash equipment description:

☐ Truck mounted ☐ Trailer mounted

☐ Rinse tank size(s) (gal.): ☐ Mixed tanks size(s) (gal.):

☐ Collection tank size(s) (gal.): Number of tanks per vehicle:

Pressure washer: psi (rated) gpm (rated) Pressure washer: ☐ gas powered ☐ 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? ☐ Yes ☐ 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.

APPLICATION FOR A STATE OPERATION PERMIT (SOP) INSTRUCTIONS

Purpose of this form A completed SOP application must be submitted to obtain SOP coverage. This permit is required to operate a domestic sewage, industrial waste or other waste collection and/or treatment system that does not have a point source discharge to any surface or subsurface waters. This form must be submitted at least 180 days before starting any new activity, or 180 days prior to the expiration date, or when renewing a permit.

Complete the form Type or print clearly, using black or blue ink; not markers or pencil. Answer each item or enter "N/A," for not applicable. If you need additional space, attach a separate piece of paper to the SOP application. Applicants may be required to submit engineering reports, plans and specifications. Contact the division for the applicable items, or visit the Division of Water Pollution Control World Wide Web site at: http://www.state.tn.us/environment/wpc for more information. **The application will be considered incomplete absent any of the required information, Engineering Reports, and an original signature.**

Permittee Identification/Facility Identification Describe and locate the project, use the legal or official name of the facility or site. Provide the latitude and longitude (expressed in decimal degrees) of the center of the site, which can be located on USGS quadrangle maps. The quadrangle maps can be obtained at 1-800-USA-MAPS, or at the Census Bureau World Wide Web site: http://www.census.gov/cgi-bin/gazetteer . Attach a copy of a portion of a 7.5 minute quad map, showing location of site, with boundaries at least one mile outside the site boundaries. If business is mobile give the owner of operations' home, or business office address of the owner, and list all current areas of operation by city and county.

Wastewater Collection System These types of systems require engineering reports, refer to the website (http://www.tdec.net/wpc/) for more information.

Land Application Treatment System These types of systems require engineering reports, refer to the website (http://www.tdec.net/wpc/) for more information. Public access to the land application and treatment area must be restricted, if disinfection is not part of the treatment. Applicants completing this section of the application must also complete the Wastewater Collection System section.

Pump and Haul These types of systems may require engineering reports, refer to the website (http://www.tdec.net/wpc/) for more information.

Holding Ponds Given that annual rainfall onto open ponds exceeds annual evaporation (in Tennessee), the permittee must develop a written plan (to be retained on site and be available to the division upon request) that addresses how excess rainfall will be disposed of in compliance with the no discharge requirement of this permit. Wastewater treatment ponds are not to be used for stormwater treatment or storage. All new and existing point source industrial stormwater discharges associated with industrial activity require coverage under the Tennessee industrial stormwater multi-sector general permit TMSP, refer to the website (http://www.tdec.net/permits/strmh2o.shtml) for more information. Describe the system for re-routing surface runoff away from ponds in the rainfall disposal plan.

Mobile Wash Operations Indicate whether the operation is run by an individual or a corporation with a fleet of vehicles equipped to wash and collect waste waters. If a corporation, indicate the home office as the "Official Contact". Indicate if operations take place at specific sites and list those counties in which such sites are located. Note that this permit covers operations within the State of Tennessee. Operations indicated as "statewide" generally apply as a fleet type operation and each office location shall be individually permitted. Equipment may be truck or trailer-mounted, or both, indicate all that apply. Soaps, detergents, and other chemicals used should be non-toxic and biodegradable. All "chemically enhanced" (soaps, detergents, and other chemicals) waste-wash waters must be collected for proper disposal. If no chemically enhanced washwaters are used, clear-wash waters may travel by sheet flow to a gravel or grassy area where there is no opportunity to enter waters of the state. There should be no discharge to a storm water inlet, ditch, conveyance, stream, etc. If you are unsure of your wash area drainage, contact the area Environmental Field Office (EFO) prior to setting up your wash operation.

Fees There is a $250 authorization fee for residential SFDS and $500 fee for commercial SFDS and commercial holding lagoons. An annual maintenance fee is required and you will be invoiced at a later date.

Submitting the form and obtaining more information Note that a responsible corporate officer, owner, general partner or proprietor, principal governmental executive officer, or highest ranking elected official must sign this form. (See Regulation 1200-4-5-.05(a) for exact authorized signatures.). For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit three complete applications (keep a copy for your records) to the appropriate EFO for the county(ies) where the facility is located, addressed to **Attention: WPC, Permit Section Manager.**

EFO	Street Address	Zip Code	EFO	Street Address	Zip Code
Memphis	2510 Mt. Moriah Road STE E-645	38115-1520	Cookeville	1221 South Willow Ave.	38506
Jackson	1625 Hollywood Dr	38305-4316	Chattanooga	540 McCallie Avenue STE 550	37402-2013
Nashville	711 R S Gass Boulevard	37243	Knoxville	3711 Middlebrook Pike	37921
Columbia	2484 Park Plus Drive	38401	Johnson City	2305 Silverdale Road	37601

Upon receipt of the required items, the division conducts a review of the material, and the applicant is notified of any deficiencies. When all the deficiencies have been corrected, the division will publish a draft permit or provide the applicant with a Notice of Intent to Deny the permit application. When a draft permit is generated, a public notice is issued and published in a local newspaper. The draft permit is then reviewed by the applicant, and division field staff. The general public also has an opportunity to review the permit. Based on public response, a public hearing may be held. After considering public comments and a final review, the permit may be issued or denied for cause. Permits are normally valid for five (5) years, except those for pump and haul systems, which are generally valid for one (1) year.

The division has the right to inspect a facility when deemed necessary. In addition, the division has the right to revoke or suspend any permit for violation of permit conditions or any other provisions of the Tennessee Water Quality Control Act and other water pollution control rules.

The division is responsible for regulating any activity, which involves a potential discharge in order to protect waters of the State from pollution and to maintain the highest possible standards in water quality.

STATE OPERATING PERMIT APPLICATION
NOLENSVILLE-DOVE LAKE
TREATMENT FACILITY
WILLIAMSON COUNTY, TN

SEC, Inc.
SITE ENGINEERING CONSULTANTS
ENGINEERING • SURVEYING • LAND PLANNING
850 MIDDLE TENNESSEE BLVD • MURFREESBORO, TENNESSEE 37129
PHONE (615) 890-7901
WWW.SEC-CIVIL.COM

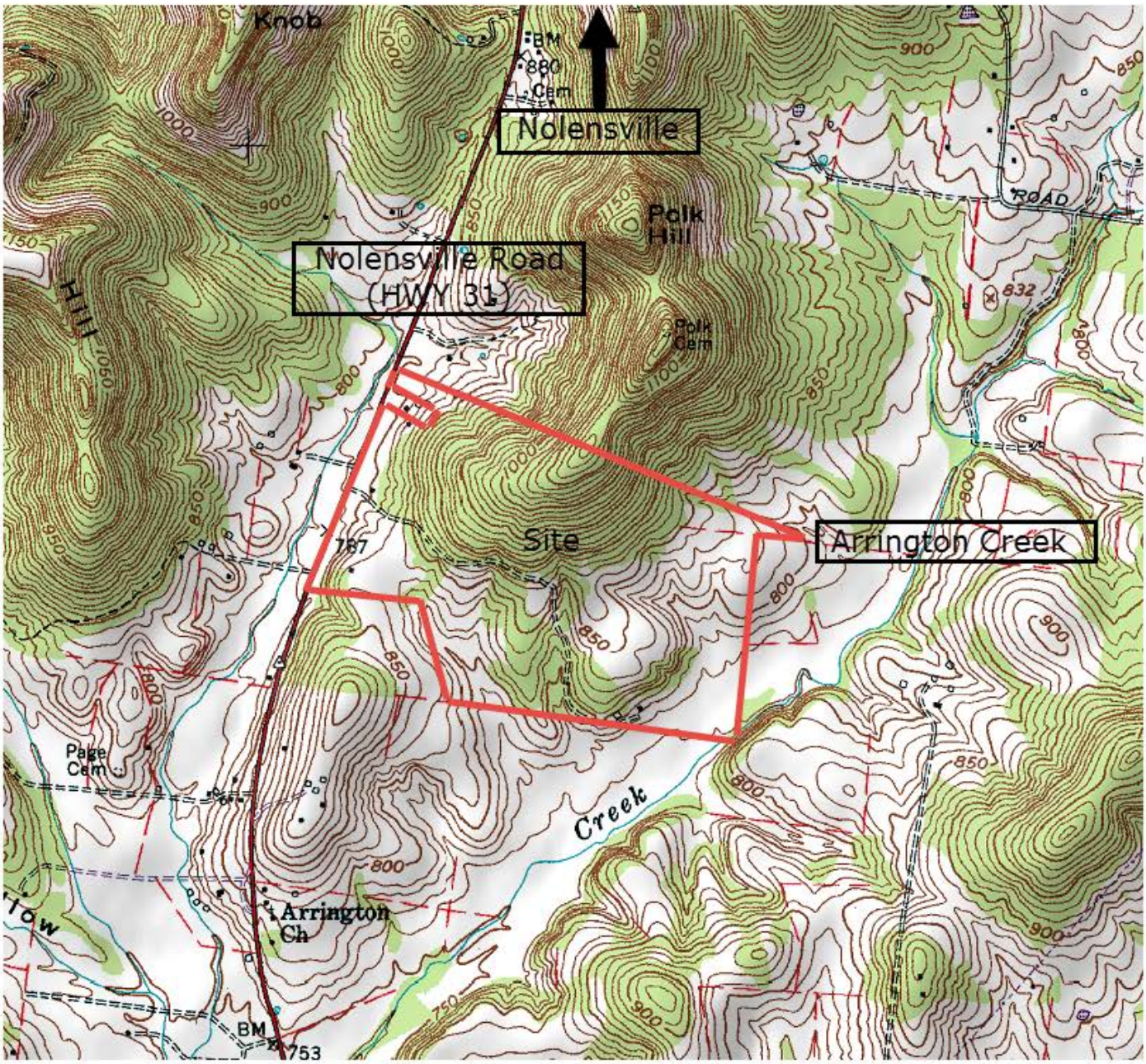
SEC Project No. 14204

Table of Contents

Section	Title
1.0	SOP Permit Application
2.0	Area of Review
3.0	Ground Water General Description
4.0	Population General Description
5.0	Nature of Fluid
6.0	General Location of Publicly Supplied Water
7.0	Description of System
8.0	Nature and Type of System

1.0 SOP Permit Application

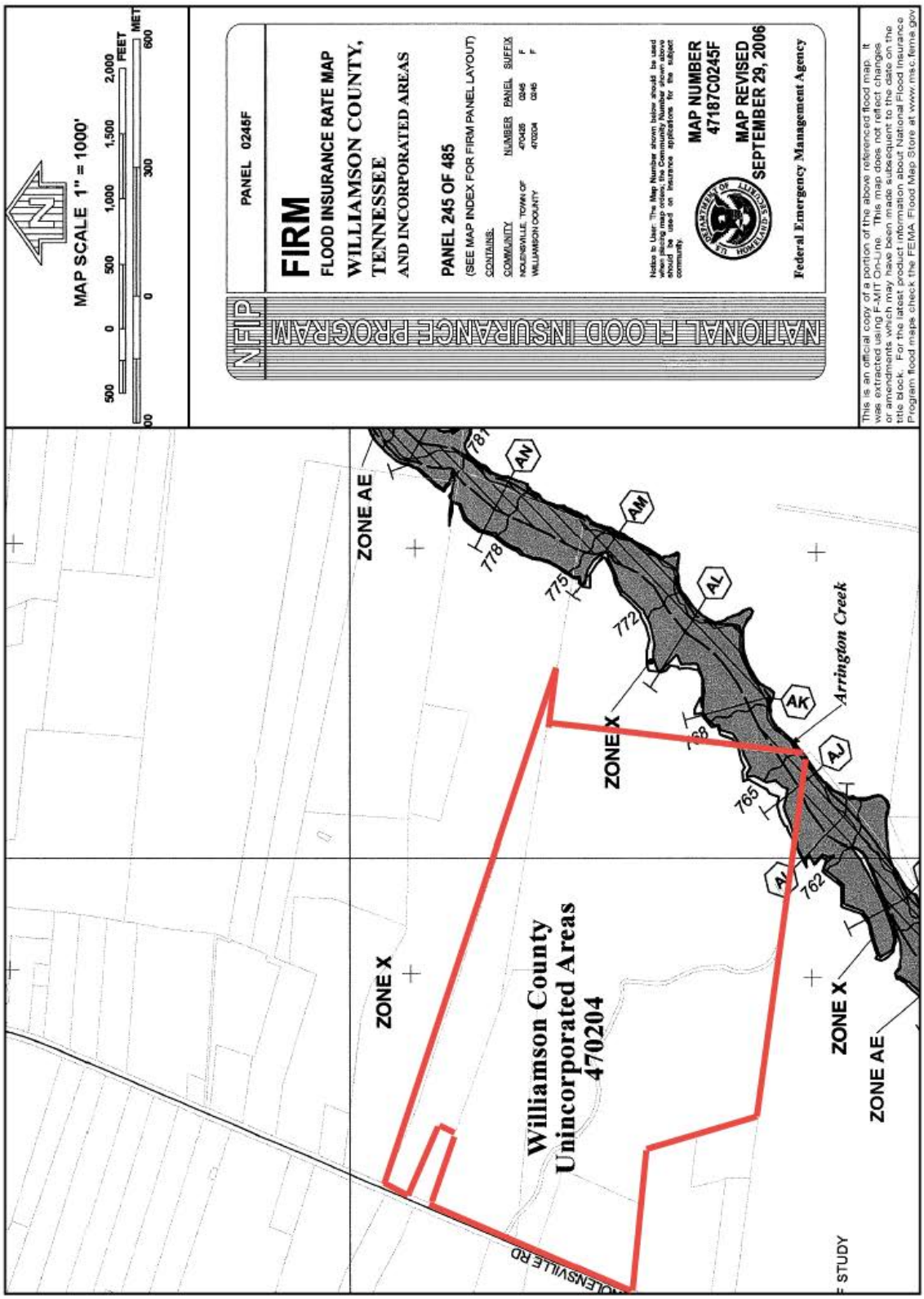
2.0 Area of Review



Area of Review

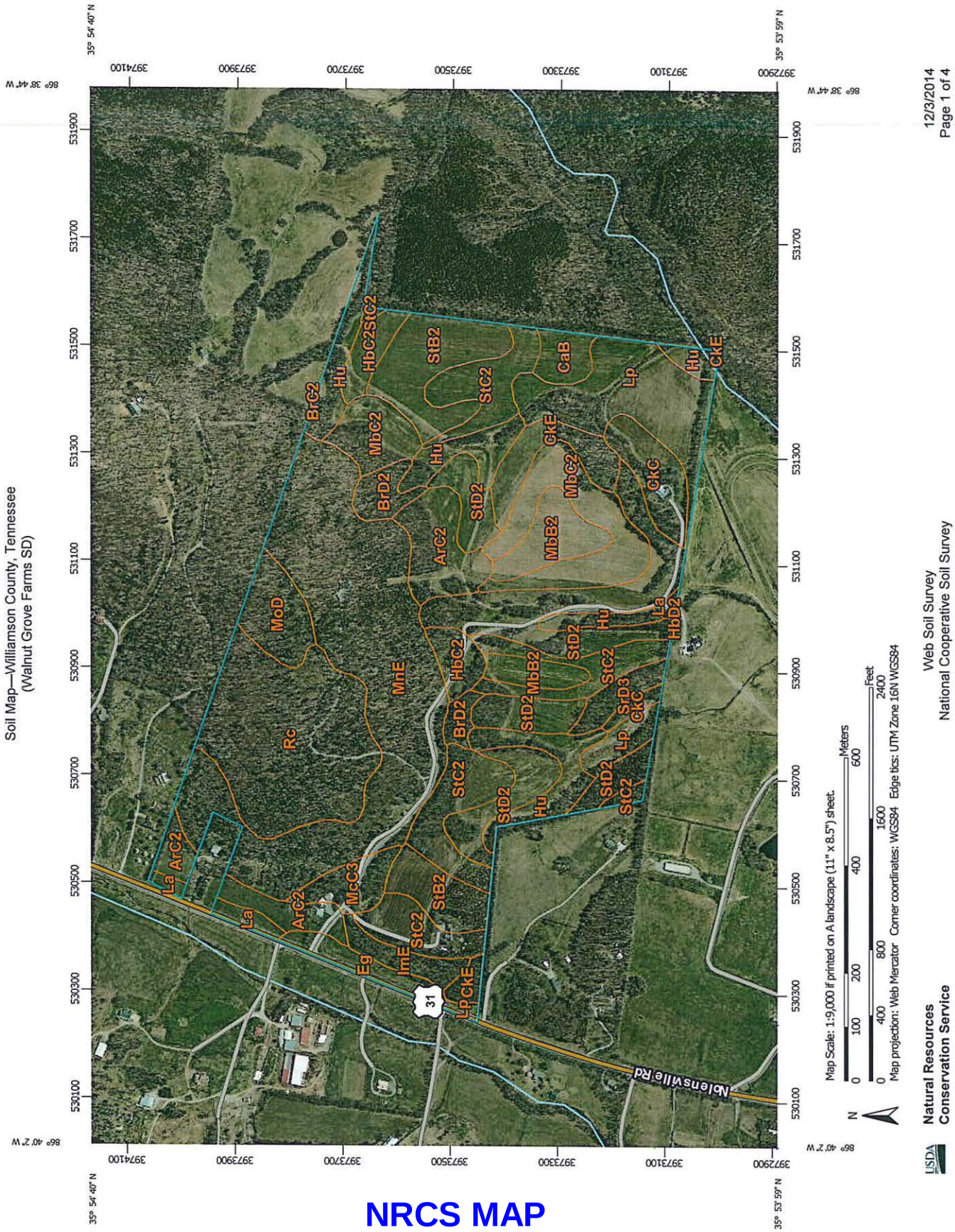
Aerial Map

SEC Project No. 14204



FEMA MAP
100-Year Floodplain and Elevations

SEC Project No. 14204



NRCS MAP
National Cooperative Soil Survey

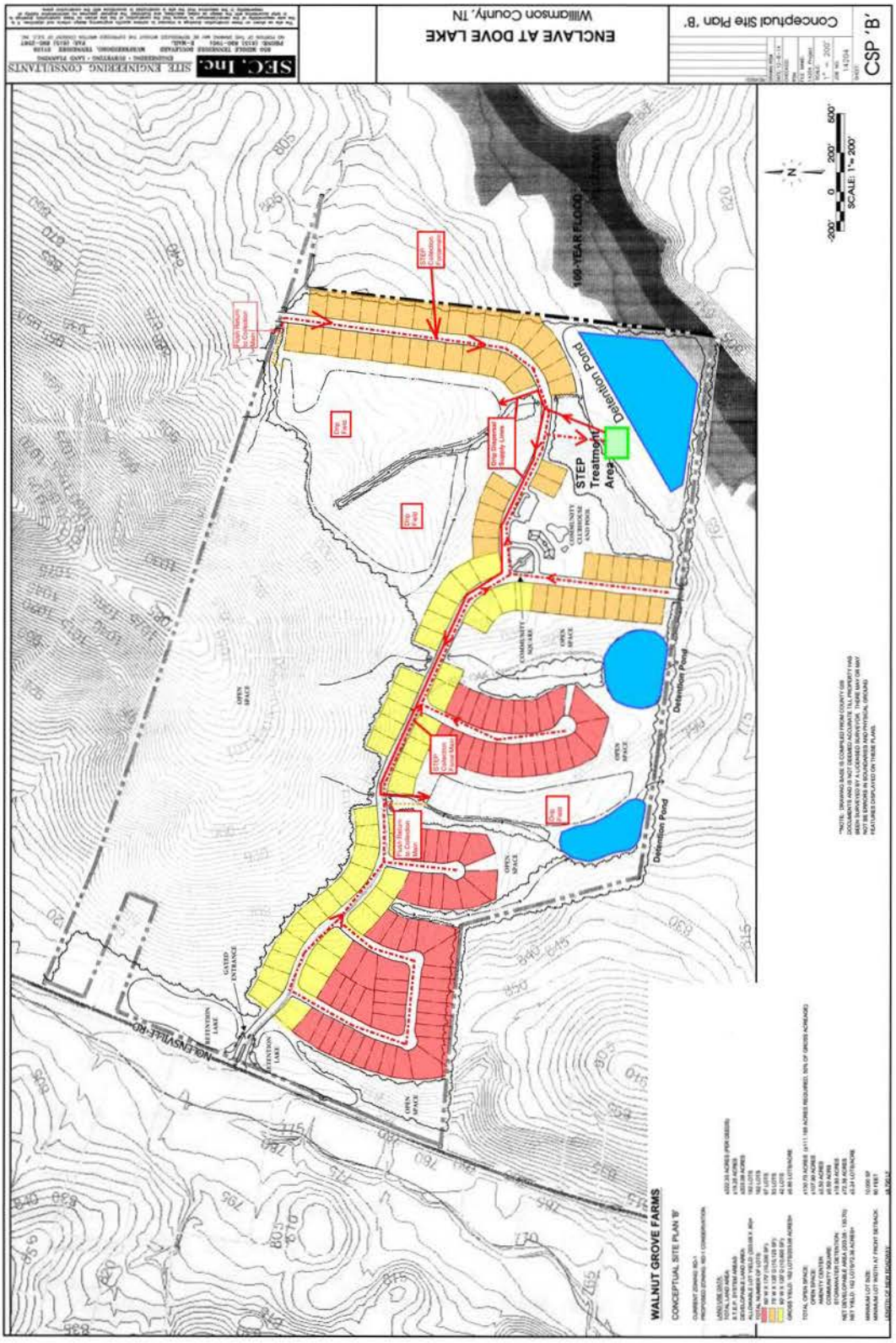
SEC Project No. 14204

Map Unit Legend

Williamson County, Tennessee (TN187)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ArC2	Armour silt loam, 5 to 12 percent slopes, eroded	10.2	4.7%
BrC2	Braxton cherty silt loam, 5 to 12 percent slopes, eroded	0.0	0.0%
BrD2	Braxton cherty silt loam, 12 to 20 percent slopes, eroded	3.4	1.6%
CaB	Captina silt loam, phosphatic, 2 to 5 percent slopes	2.3	1.1%
CkC	Culleoka silt loam, 5 to 12 percent slopes	5.4	2.5%
CkE	Culleoka silt loam, 20 to 35 percent slopes	5.4	2.5%
Eg	Egam silt loam, phosphatic	2.8	1.3%
HbC2	Hampshire silt loam, 5 to 12 percent slopes, eroded	4.8	2.2%
HbD2	Hampshire silt loam, 12 to 20 percent slopes, eroded	0.0	0.0%
Hu	Huntington silt loam, phosphatic	13.8	6.4%
ImE	Inman flaggy silty clay loam, 20 to 30 percent slopes, eroded	2.6	1.2%
La	Lanton silt loam, phosphatic	1.8	0.8%
Lp	Lindell silt loam, 0 to 2 percent slopes, occasionally flooded	14.8	6.8%
MbB2	Maury silt loam, 2 to 5 percent slopes, eroded	6.8	3.1%
MbC2	Maury silt loam, 5 to 12 percent slopes, eroded	13.5	6.2%
McC3	Maury silty clay loam, 5 to 12 percent slopes, severely eroded	3.2	1.5%
MnE	Mimosa-Rock outcrop complex, 20 to 40 percent slopes	39.9	18.4%
MoD	Mimosa and Ashwood very rocky soils, 5 to 20 percent slopes	4.7	2.2%
Rc	Rockland	22.0	10.1%
SrD3	Stiversville clay loam, 12 to 20 percent slopes, severely eroded	2.2	1.0%
StB2	Stiversville silt loam, 2 to 5 percent slopes, eroded	12.4	5.7%
StC2	Stiversville silt loam, 5 to 12 percent slopes, eroded	20.2	9.3%

Williamson County, Tennessee (TN187)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
StD2	Stiversville silt loam, 12 to 20 percent slopes, eroded	24.8	11.4%
Totals for Area of Interest		**217.2**	**100.0%**

SEC Project No. 14204



Conceptual STEP System Layout

SEC Project No. 14204

3.0 Groundwater General Description

The attached USGS map (Section 2) indicates that the surface drainage flow path from the Nolensville-Dove Lake Treatment Facility is to the southeast, discharging into Arrington Creek watershed. The subdivision development is comprised of approximately 220 acres. The topography is mainly rolling slopes of 5 - 15 % with moderately steep slopes at the northern portion of the property. This moderately steep portion makes up approximately 35-40% of the property. Roughly 40-45% of the site is wooded and the 11.4 acres required for drip dispersal is mostly cleared and farmed with row crops.

The property has mainly been used for row crops and woodlands. Groundwater was used historically to provide potable water. At this time the area is served by Nolensville College Grove Utility District with potable water.

It is assumed that the groundwater movement and surface flows are to the southwest along Arrington Creek and ultimately into the Harpeth River.

See attached maps and USDA soils information under Section 2, Area of Review.

4.0 Population General Description

The majority of the Area of Review is agriculture land used primarily for pasture and row crops. See attached aerial map of property under Section 2, Area of Review.

5.0 Nature of Fluid

Nolensville-Dove Lake Treatment Facility will receive waste water from septic tanks at Enclave at Dove Lake subdivision (~165 lots). The peak design discharge will be approximately 49,500 gpd of domestic wastewater. The effluent quality is typical domestic residential treated wastewater that meets State Operating Permit limits.

6.0 General Location of Publicly Supplied Water

The development will be served with potable water by Nolensville College Grove Utility District (NCGUD). See attachment next page with existing water lines. NCGUD has planned a new 16" water main to be built soon along Nolensville Road. The proposed development will connect to this water line for potable service.

Insert Nolensville College Grove Water Line Location Map

7.0 Description of System

Wastewater will be treated using a recirculating sand filter, then pumped through Arkal filter units and then distributed to HDPE drip lines with pressure compensating emitters. Waste water flow is projected to be approximately 49,500 gpd at build out of the development. The drip lines are to be installed on 2-foot centers along the contours with the emitters spaced at 2-foot centers along the drip lines. Drip lines are plowed into the soils that have been approved by a certified soil scientist and placed at an approximate depth of 7-8 inches below the ground surface. Distribution of the treated wastewater is managed through solenoid valves and controlled by a programmable PLC.

8.0 Nature and Type of System

Treated wastewater from the development will first be pumped from numerous water tight septic tanks at each lot. Grey water is pumped from the septic tank via a small diameter pressure collection line to a recirculating sand filter (RSF). The wastewater will then cycle through the RSF 5 times before discharging into the final dose tank. From the final dose tank, the treated wastewater is pumped through Arkal filter units and then distributed through the drip dispersal lines within the approved soil site.

Adenus Solutions Group

849 Aviation Parkway
Smyrna, TN 37167

This Letter of Understanding (LOU) outlines the fundamental terms of agreement and intentions between Adenus Solutions Group, LLC (ASG), Tennessee Wastewater Systems, Inc. (TWS), and Nolensville 162, LLC (N162), Developer. Signatures represent acceptance of the terms of this LOU, pending final contract.

Questions and comments should be directed to Keith Townsend at: (615) 522-7865, or keith.townsend@adenus.com

Dated: February 2, 2015

The fundamental terms of agreement and intention between ASG, TWS, and N162 are as follows:
N162 is a developer in Williamson County, TN, and desires to develop a residential subdivision on approximately **222.33 +/-** acres of property, located on Nolensville Road near Big Oak Road (being **Tax Map 083, Parcels 13.00 and 13.02, Tax Map 085, Parcel 1.01, and Tax Map 086, Parcel 11.00**, in Williamson County, TN). This property will accommodate approximately **165** lots. This lot count will be used for this Letter of Understanding.

1. TWS is willing to pursue this subject property as a service territory under its current Certificate of Convenience and Necessity (CCN), and has made a petition to the Tennessee Regulatory Authority (TRA) for this site. All items following are contingent upon TWS being granted an amendment to its CCN of the property as a utility service territory.
2. N162 has been informed that ASG and TWS share common ownership, and that N162 is not "required" to use ASG as its sewer treatment and disposal system construction Contractor. Nor, is N162 "required" to use ASG as the design engineering firm for its project. Design and construction may be "put-out" to bid by N162. Additionally, N162 agrees to:
    - Require its design engineer to design to the specifications of TWS, and to provide a copy of design plans to TWS for review **prior** to submitting plans to the Tennessee Department of Environment and Conservation for review and approval.
    - Require its construction Contractor to construct the treatment and disposal system in accordance with approved plans, and submit to final construction inspection of TWS's engineer, **prior** to TWS accepting the system.
3. N162 agrees to pursue all necessary permits for TWS to operate the wastewater treatment and disposal system.

4. ASG is willing to pursue all necessary permits for N162 for a lump sum fee of $4000.00, and will submit a Professional Services Agreement (PSA) for these services, if necessary.
5. N162 understands that a Design Development Report (DDR) and a Detailed Soils Investigation Report (DSIR) must be performed in order to develop property using a drip irrigation system for the disposal of treated wastewater in Williamson County, TN. ASG is willing to perform the DDR/DSIR for a lump sum cost of $30,000.00**. The DDR/DSIR will be billed directly to N162 as follows, and will be handled with a PSA:
   - 50% of the cost of the DDR/DSIR prior to commencing the work.
   - Remaining 50% of the fee after approval from County Engineer

**The $4000.00 fee to pursue the permits for N162, in item #4, is included in this fee and would eliminate the need for that PSA if ASG performs the DDR/DSIR.

6. N162 agrees to provide the following for the DDR/DSIR, and for engineering and construction of the treatment, disposal, and sewer collection system:
   - Approximately One (1) acre of good soil per 13 homes proposed for disposal/recycling (165 lots / 13 = 12.69 acres minimum, plus buffers).
   - Adequate land for construction of the designed Recirculating Gravel filter (and the Reserve RGF).
   - Adequate land for the construction of the storage pond required by Williamson County regulations.
   - 7 original copies of an Extra High Intensity soil map (50' grid) by Certified Soil Scientist of the drip field areas (required for permit application, DDR/DSIR, and final design plans).
   - Topography map of the entire proposed drip field areas @ a 2' contour interval (required for permit application).
   - Topography map of the entire proposed property @ a 2' contour interval (required for DDR/DSIR and for final design plans).
   - Overall site plan of the proposed project with building envelopes (Sketch plat required for permit application and for DDR/DSIR – Preliminary plat required for final design plans).
   - Lay sewer collection lines per requirements of TWS approved plans and specifications, to include any required pump stations, force mains, and residential service taps.
   - Single phase, 200 amp, underground electrical service to the treatment facility building.
   - Construct gravel access drive (all weather access) to the treatment facility construction site, capable of accommodating 60+ gravel/media trucks, to include any temporary or permanent bridges for creek

crossings, and any associated Aquatic Resource Alteration Permits and Storm Water Pollution Prevention Plans.

- Maintain (mow) the area of grid staking until construction has begun. Wooded areas will be cleared by ASG, if ASG is construction contractor.
- Dedicate easements as dictated by the final design plans for access to the collection, treatment and recycling system, and for the residential services.

If ASG performs the DDR/DSIR, timing is critical. The 2-foot interval topographic survey, preliminary subdivision layout, soil mapping, and the signed Professional Services Agreement with first payment must be in my possession a minimum of 21 days prior to the required submittal date for Planning Commission consideration in Williamson County. This would constitute notice to proceed.

7. ASG is willing to construct* the treatment and disposal system for the per lot price of $5700.00 (165 lots * $5700.00 = $940,500.00). Payment will be due in 1/3 increments as follows:
   - 1/3 of fees will be due 10 days prior to the start of construction
   - 1/3 of fees will be due at 50% completion of construction
   - 1/3 of fees will be due within 15 days of completion of construction, and approval and acceptance of the system by TWS.

   * *Construction includes: RGF, controls building, drip irrigation system @* ***2-foot centers*** (TDEC now requires the increase in piping) *installed, Williamson County required storage pond, four-rail wood fence, Stormwater Pollution Prevention Plan for Treatment and Disposal Facility area only (subdivision and access drive are not covered), final testing of the system and start-up (after developer supplies power to the site), and final acceptance from TDEC and TWS.*
8. TWS will assume ownership of the treatment, disposal, and collection system once inspections are approved and accepted by TWS engineer. N162 will be required to enter into a Sewer Service Agreement with TWS at the time TWS accepts the system. N162 will be required to pay TWS a $1200.00 per lot development fee for all lots presented to TWS for final plat signing. The $1200.00 per lot fee will be due at the time TWS is requested to sign the final plat for recording (Ex. 15 lots presented for final plat * $1200.00 per lot = $18,000.00 due by N162 to TWS at plat signing). Additionally, N162 will convey by **quit claim deed**, the Sewage Facility Land to TWS and provide title insurance policy, not to exceed $150,000.00 (U.S. dollars).

9. N162 agrees to post any bond amounts required by the County, etc., prior to final plat being signed by TWS. All bonding costs and security for bonds required by Williamson County for the sewer system during the construction of the subdivision are the responsibility of the developer.
10. Any landscaping, plant units, etc., required by Williamson County to meet the screening (opacity) requirement, are the sole responsibility of N162.
11. Cost of tankage, components, etc, for each individual residence site and installation of sewer collection main lines and lot services is outside the scope of this agreement.
12. N162 agrees that ASG and TWS have submitted "preliminary" contracts as an example of what will be expected of N162 in the performance of this project. N162 agrees that changes made to TDEC regulations, or to Williamson County regulations after the date of this understanding are beyond the control of ASG and TWS, and may cause a change to the proposed costs. Assuming that no regulation changes occur, the costs and fees presented in this understanding shall be valid for a period of not more than one (1) year from the date at the beginning of this understanding, regardless of the date the parties sign. Any contracts, or agreements, between the parties that are not signed within this one-year time limit may be revised to reflect costs in effect at that time.
13. Signature acknowledges and accepts the aforementioned terms of agreement and intention.

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Letter of Understanding
Enclave at Dove Lake Subdivision
Nolensville 162, LLC
February 2, 2015

Tennessee Wastewater Systems, Inc.
Utility Provider
Charles Hyatt

Title: President

Date: 2-19-15

Nolensville 162, LLC
Developer
Pete Ferrari

Title: Manager

Date: 2-13-15

Adenus Solutions Group, LLC
Keith Townsend

Title: Project Manager

Date: 2-19-15