filed electronically in docket office on 06/05/14

TENNESSEE WASTEWATER SYSTEMS, INC.

AN ADENUS UTILITY

June 5, 2014

Docket No. 14-00062

Honorable Jim Allison
Chairman
Tennessee Regulatory Authority
502 Deaderick Street
4th Floor
Nashville, TN 37243

RE: Petition to amend Certificate of Convenience and Necessity

Dear Chairman Allison:

Tennessee Wastewater Systems, Inc. desires to expand its service area to include a portion of Williamson County in Tennessee, known as Clovercroft Acres. 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

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
_____, 2014

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

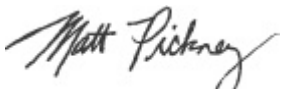
Tennessee Wastewater Systems, Inc. ("TWSI") petitions the Tennessee Regulatory Authority ("TRA") to amend TWSI's Certificate of Convenience and Necessity to expand its service area to include a portion of Williamson County known as Clovercroft Acres. The project is located along Clovercroft Road just east of Tulloss Road in Williamson County. The property includes parcel 5 on Tax Map 81, which is represented on the tax map enclosed (see attached "Exhibit A"). This parcel encompasses approximately 12 acres.

We are proposing to provide wastewater service to approximately 120 residential units at Clovercroft Acres. Residential customers will be charged according to residential Rate Class 1, currently set at $46.15 as of the date of this submittal. The wastewater system will be designed and constructed to serve approximately 120 units (approximately 36,000 gallons per day) and can be expanded if needed. The TDEC application for a permit has been submitted and is enclosed (see attached "Exhibit B"). A Professional Services Agreement has been signed by Adenus Solutions Group, LLC and the developer. It is the intention of the parties that TWSI will own the collection, treatment, and dispersal system and will own a permanent easement on 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. We have also enclosed a letter from the President of LandDevelopment.com, Ardavan Afrakhteh, requesting TWSI to be the public sewer utility provider for the project.

After approval, the construction of the system, which is comprised of watertight effluent collection, fixed film treatment, and subsurface drip dispersal, will take approximately 60 days to complete. The estimated value of the contribution in aid of the construction of the initial wastewater system is approximately $675,000.00.

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	**)**	

CLOVERCROFT ACRES
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 president of LandDevelopment.com, Ardavan Afrakhteh.

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

A. Our company expects to serve approximately 120 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 5th day of June, 2014.

Notary Public Susan R. Chaffin

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 5th day of June 2014 and delivered by hand.

MATT PICKNEY

LandDevelopment.com
798 Old Hickory Blvd
Brentwood, TN 37027

Date: June 4, 2014

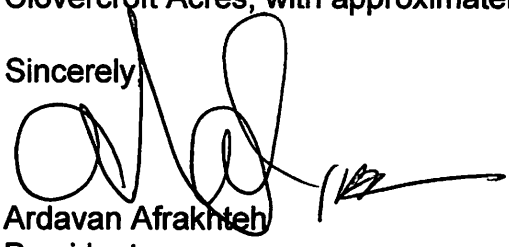
Mr. Charles Hyatt
President
Tennessee Wastewater Systems, Inc.
851 Aviation Parkway
Smyrna, TN 37167

Dear Mr. Hyatt:

This letter is a request for Tennessee Wastewater Systems, Inc. to provide sewer services for the area(s) near Clovercroft Road, Williamson County, Tennessee. The areas of interest are identified in Williamson County Tax Maps as:
Map 81, parcel 5.

We are proposing to develop a residential subdivision, currently known as Clovercroft Acres, with approximately 120 single family lots.

Sincerely,



Ardavan Afrakhteh
President
LandDevelopment.com

Rogers C. Anderson
Williamson County Mayor

WILLIAMSON COUNTY GOVERNMENT

May 20, 2014

VIA UNITED STATES MAIL

Mr. Ardavan Afrakhteh
LandDevelopment.Com, Inc.
798 Old Hickory Blvd.
Brentwood, TN 37027

Re: Sewer Request – Clovercroft Acres Subdivision,
Tax Map 81, Parcel 5.00

Mr. Afrakhteh:

On May 16, 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 C. 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!

August 14, 2013

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

Re: Clovercroft Acres Subdivision
Sanitary Sewer Service

Dear Mr. Reed.

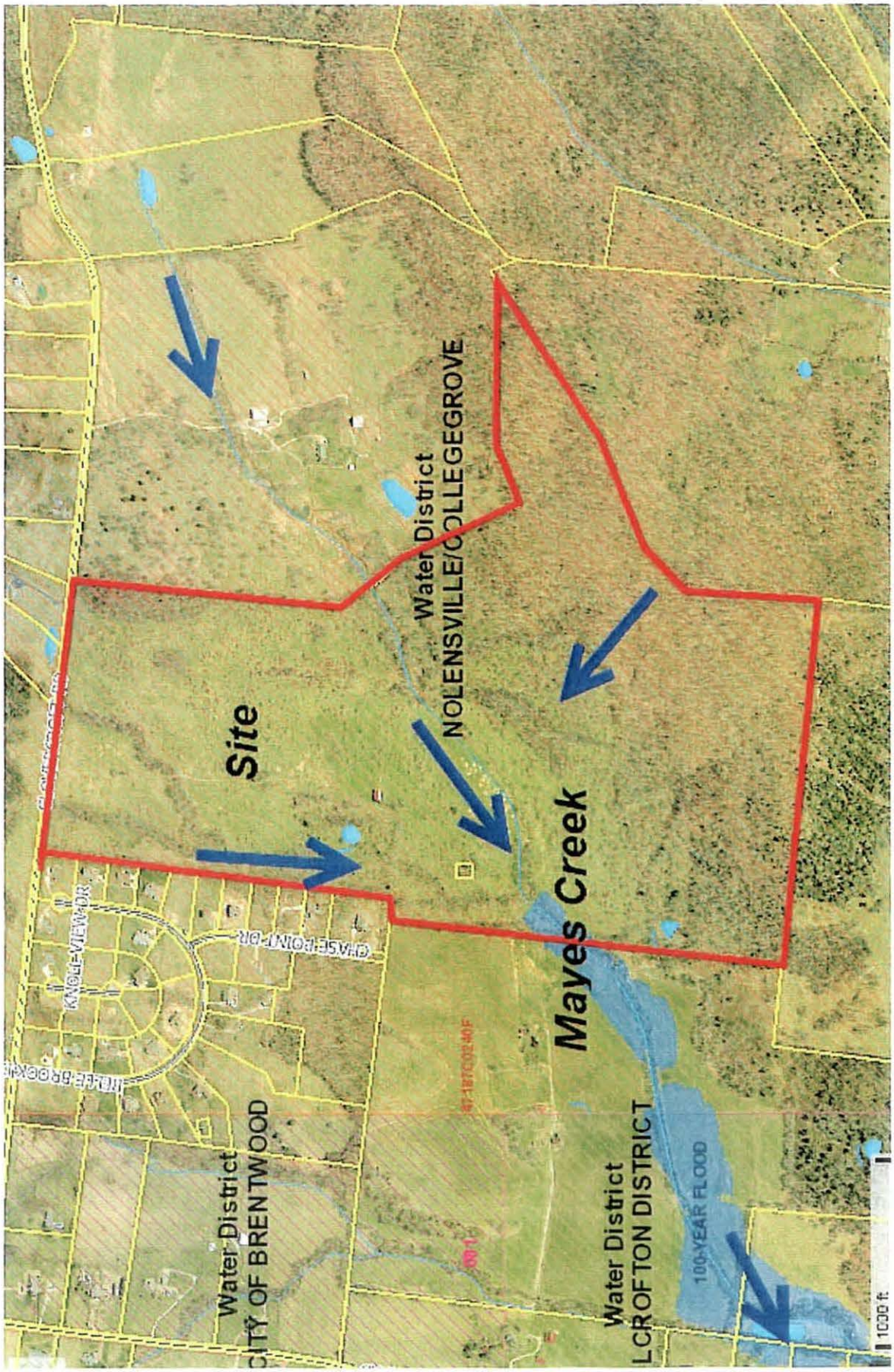
The Board of Commissioners, at its regular meeting on August 13, 2013, did approve your request to release its charter rights to provide sanitary sewer service to the proposed development known as Clovercroft Acres and depicted as Map 81, Parcel 5.00.

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

Sincerely,

Charles Strasser

Charles Strasser
General Manager



Attachment "A"

Aerial Map

SEC Project No. 12040

SECTION 4 – RESIDENTIAL RATES SHEET

	Total	Escrow**	
RATE CLASS 1			
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1	**$46.25**	**$10.13**	**(I)**
RATE CLASS 2			
Fixed Film Treatment, Drip Dispersal, Franchise Rate #1, Bonding Rate #1	**$47.57**	**$10.13**	**(I)**
RATE CLASS 3			
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #3	**$48.27**	**$10.13**	**(D)**
RATE CLASS 4			
Fixed Film Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #4	**$46.25**	**$10.13**	**(D)**
RATE CLASS 5			
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1	**$41.24**	**$8.43**	**(I)**
RATE CLASS 6			
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1, Franchise Rate #2	**$42.41**	**$8.43**	**(I)**
RATE CLASS 7			
Deep Cell Pond Treatment, Point Discharge Dispersal, Bonding Rate #1	**$41.24**	**$8.43**	**(I)**
RATE CLASS 8			
Deep Cell Pond Treatment, Drip Dispersal, Bonding Rate #1, Bonding Rate #4	**$41.24**	**$8.43**	**(D)**
RATE CLASS 9			
Standard base Collection, Pass-through treatment costs	**$26.04** + Treatment Costs	**$6.35**	**(I)**
RATE CLASS 10			
DCP Treatment, Drip Dispersal, Loan Costs, Lease Costs, Bonding Rate #1	**$57.08***	**$8.43**	**(I)**

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

Clovercroft Acres

Projected Subdivision Build-Out

Total # of customers

		Residential	Commercial
2014	-	5 customers	0 customers
2015	-	35 customers	0 customers
2016	-	75 customers	0 customers
2017	-	105 customers	0 customers
2018	-	120 customers	0 customers

Estimated System Costs and Revenues for Five Years

	2014	2015	2016	2017	2018
Costs	$2,492	$17,445	$37,381	$52,334	$59,810
Revenues	$2,769	$19,383	$41,535	$58,149	$66,456

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.....02/20/2018

SUSAN R. CHAFFIN
STATE OF TENNESSEE NOTARY PUBLIC
RUTHERFORD COUNTY

TABLE OF CONTENTS

F-2

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)

bligation 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**

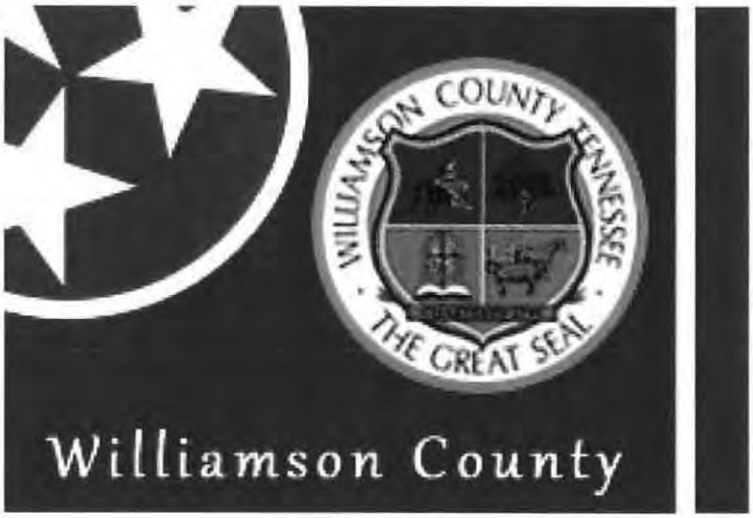
Adjusted Net Operating Income

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



STATE OPERATING PERMIT APPLICATION
CLOVERCROFT ACRES SD

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

Attachment "B"

SEC Project No. 12040

Table of Contents

1.0 SOP Permit Application

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. (Clovercroft Acres Sd)
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: Brian Carter	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-Hyatt	8-7-13

OFFICIAL STATE USE ONLY

Received Date	Permit Number	Field Office	Reviewer
	SOP		

Permit Number: SOP-_____

Facility Identification:			Existing Permit No.
Facility Name:	Clovercroft Acres Sd 35.922222	County:	Williamson
Facility Address or Location:	Along Clovercroft Road just east of Tulloss Road -86.733333	Latitude:	N 35° 55'20"
		Longitude:	W 86° 44'00"

Name of Engineer for the project: **James F. Reed III P.E., R.L.S.**

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

Name and distance to nearest receiving waters: **Mayes Creek splits 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: **Adenus Operations**

Operator address: **849 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: 200	Avg. No. bedrooms per home: 3-4 @ 300gpd/home	60,000
☐ 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 a 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): **Brian Carter /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 - Adenus Operations, 849 Aviation Parkway, Smyrna, TN 37167 (615) 220-7200**	
Approximate length of sewer (excluding private service lateral): **17,800 LF**	
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 **200~1,500 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: **Clovercroft Acres SD**	
Name of Developer for the project: **NVR, Inc. Davis Lamb**	
Developer address and phone number: **93 Seaboard Lane, Suite 201 Brentwood, TN 37027 (615)-377-6840**	
For land application, list: ☒ Proposed acreage involved: **approx. 12 acres total** ☒ Inches/week gpd/sq ft loading rate to be applied: **2.2 with 6 acre reserve, 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-_____

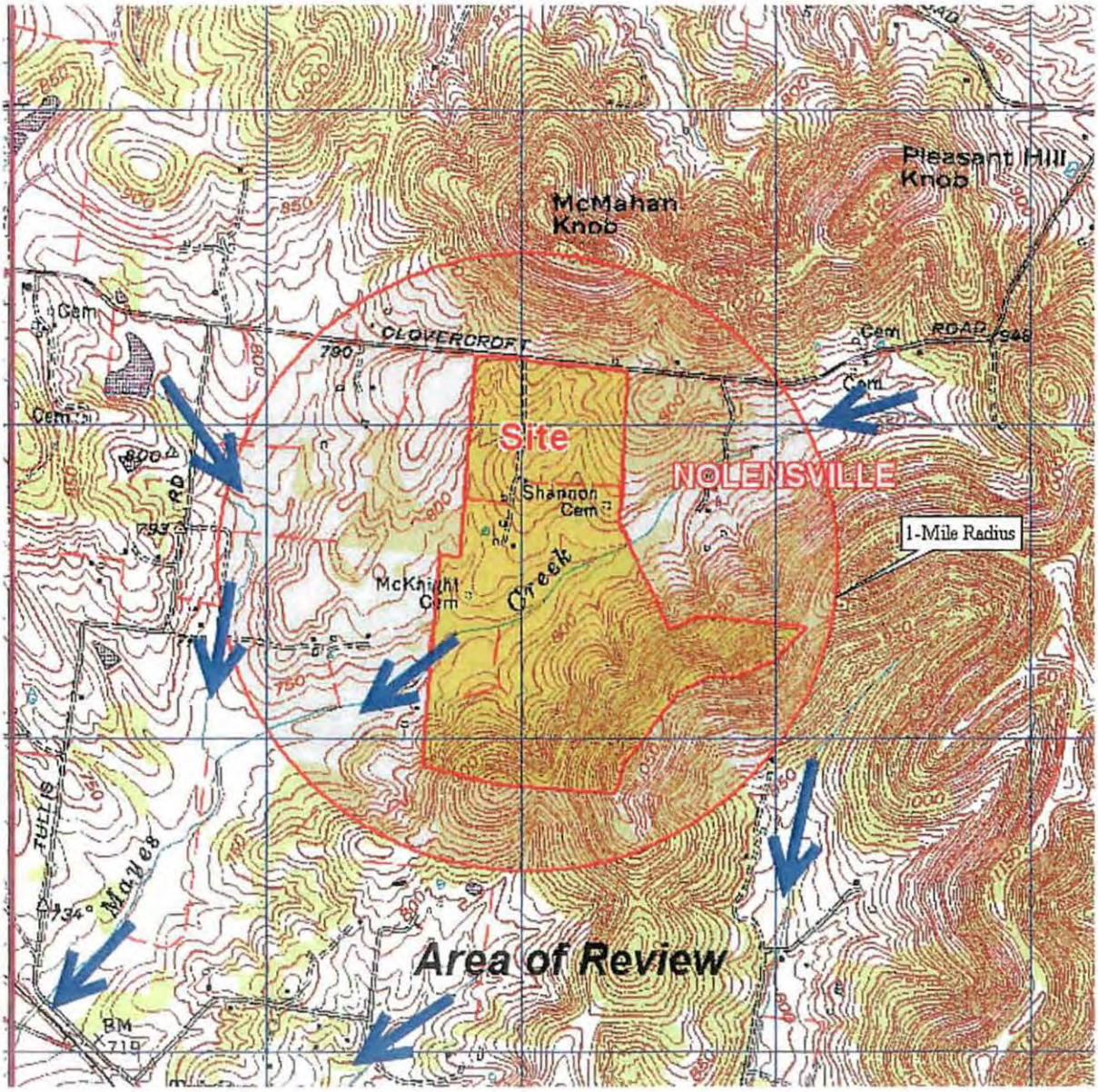
Describe pond use and operation:
If the pond(s) are existing pond(s), what was the previous use?
Have you prepared a plan to dispose of rainfall in excess of evaporation? ☐ Yes ☐ No
If so, describe disposal plan:
Is the pond ever dewatered? ☐ Yes ☐ No
If so, describe the purpose for dewatering and procedures 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.

2.0 Area of Review



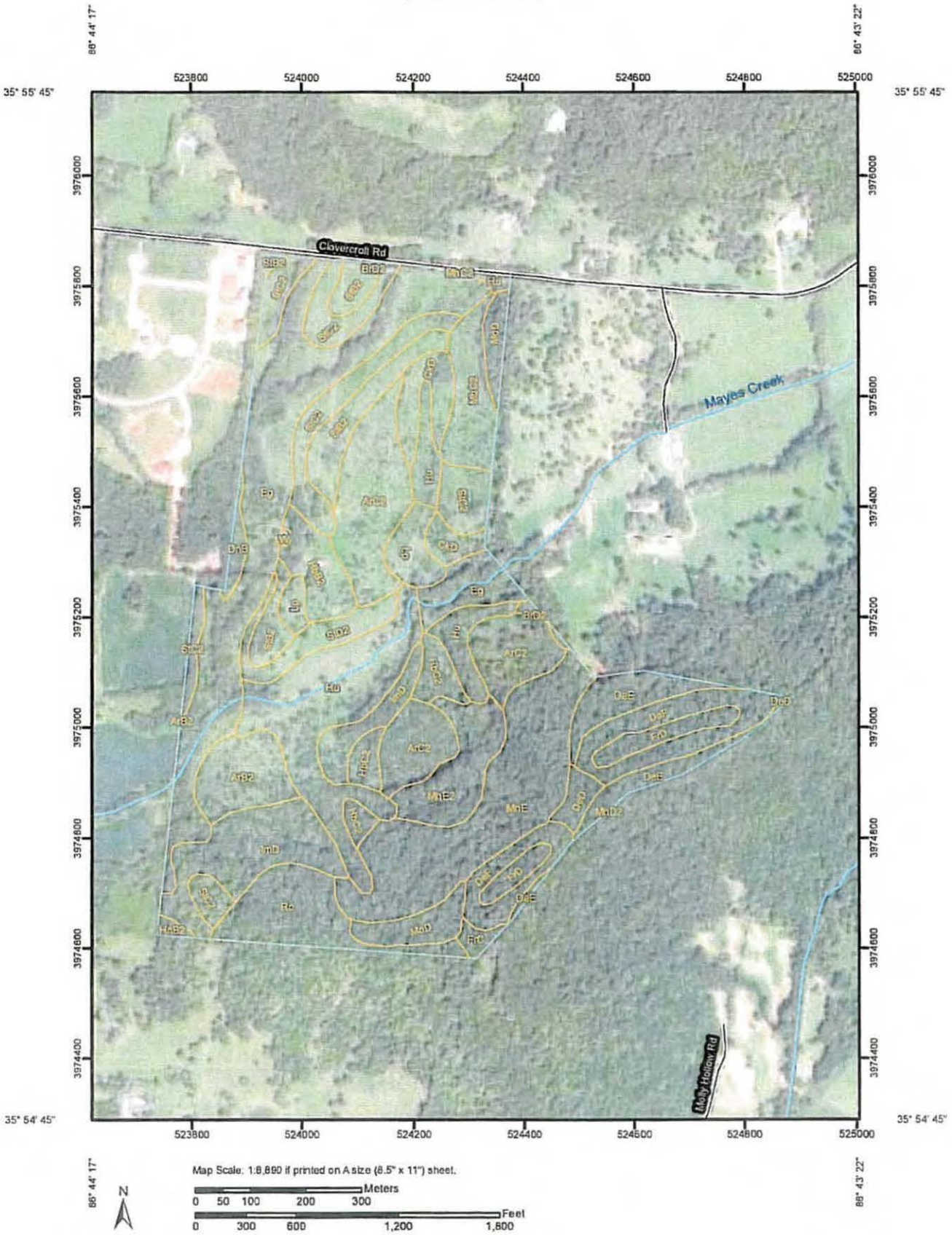
Area of Review

SEC Project No. 12040

FEMA MAP
100-Year Floodplain and Elevations

SEC Project No. 12040

Soil Map—Williamson County, Tennessee
(Clovercroft Road Site)



USDA MAP

National Cooperative Soil Survey

SEC Project No. 12040

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Units

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features
- Gully
- Short Steep Slope
- Other

Political Features
- Cities

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:8,880 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 16N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Williamson County, Tennessee
Survey Area Data: Version 8, Sep 9, 2012

Date(s) aerial images were photographed: 8/24/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Williamson County, Tennessee (TN187)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ArB2	Armour silt loam, 2 to 5 percent slopes, eroded	5.4	2.8%
ArC2	Armour silt loam, 5 to 12 percent slopes, eroded	18.0	9.3%
BrD2	Braxton cherty silt loam, 12 to 20 percent slopes, eroded	0.4	0.2%
CkD	Culleoka silt loam, 12 to 20 percent slopes	4.7	2.4%
DeD	Dellrose cherty silt loam, 12 to 20 percent slopes	1.5	0.8%
DeE	Dellrose cherty silt loam, 20 to 30 percent slopes	6.5	3.4%
DeF	Dellrose cherty silt loam, 30 to 40 percent slopes	9.7	5.0%
DnB	Donerail silt loam, 2 to 5 percent slopes	1.0	0.5%
Eg	Egam silt loam, phosphatic	29.7	15.4%
FrC	Frankstown cherty silt loam, 5 to 12 percent slopes	0.8	0.4%
FrD	Frankstown cherty silt loam, 12 to 20 percent slopes	3.6	1.8%
HbB2	Hampshire silt loam, 2 to 5 percent slopes, eroded	3.9	2.0%
HbC2	Hampshire silt loam, 5 to 12 percent slopes, eroded	4.0	2.1%
HnB2	Hicks silt loam, 2 to 5 percent slopes, eroded	0.4	0.2%
Hu	Huntington silt loam, phosphatic	19.8	10.3%
ImD	Inman silt loam, 12 to 20 percent slopes	12.1	6.3%
Lp	Lindside silt loam, phosphatic	3.7	1.9%
MbC2	Maury silt loam, 5 to 12 percent slopes, eroded	5.2	2.7%
MhC2	Mimosa cherty silt loam, 5 to 12 percent slopes, eroded	0.1	0.0%
MhD2	Mimosa cherty silt loam, 12 to 20 percent slopes, eroded	0.0	0.0%
MhE2	Mimosa cherty silt loam, 20 to 30 percent slopes, eroded	6.1	3.2%
MnE	Mimosa very rocky soils, 20 to 40 percent slopes	19.1	9.9%
MoD	Mimosa and Ashwood very rocky soils, 5 to 20 percent slopes	4.4	2.3%
Rc	Rockland	7.6	4.0%
StB2	Stiversville silt loam, 2 to 5 percent slopes, eroded	7.6	3.9%
StC2	Stiversville silt loam, 5 to 12 percent slopes, eroded	14.2	7.3%
StD2	Stiversville silt loam, 12 to 20 percent slopes, eroded	3.7	1.9%
W	Water	0.1	0.1%
Totals for Area of Interest		193.0	100.0%

3.0 Groundwater General Description

The attached USGS maps indicate the Clovercroft Acres Subdivision wastewater treatment area drainage flow path is to the southwest discharging into Mayes Creek watershed. The site is comprised of approximately 195 acres. The topography is mainly gently rolling to rolling slopes of 5 - 15 % with moderately steep slopes at the south of the property equating approximately 30% of the property. The property is bordered by Clovercroft Road to the north, to the west by agricultural property, Mayes Creek and large estate lots, and to the south and east by agricultural property. Roughly 50% of the site is wooded and the 7-10 acres for drip dispersal is mostly cleared with some minor underbrush.

The above mentioned property has typically been used for pasture land. Groundwater was used historically to provide water. At this time the area is served by Nolensville College Grove Utility District for water.

It is assumed tat the groundwater movement and surface flows are to the southwest toward Mayes Creek

See attached maps and USDA soils info 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. See attached aerial map of property under Section 2 Area of Review.

5.0 Nature of Fluid

Clvercroft Acres Subdivision (~200 lots) will have a peak design discharge of approximately 60,000 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 area will be served by Nolensville College Grove Utility District. See attachment next page with existing water lines.

NOLENSVILLE/COLLEGE GROVE UTILITY DISTRICT
CLOVERCROFT AREA IMPROVEMENTS
JULY 2013
(PARTIAL SYSTEM MAP - NOT ALL MAINS SHOWN)

Connect to Bent Creek 8"

Proposed 12" Main (Upgrade from 8")

Proposed 1000 GPM Pump Station

Existing Clovercroft 650,000 Gal Tank
Overflow El 648

Proposed 12" Main to Replace 4" Main

Proposed 12" Main to Replace 6" Main

Jenkins Test Points

Tollgate Tanks
Overflow El 952

Jenkins

E & F Scales

Pulley

Gaidos

J & S Scales

J & S Scales

Flippen

Flippen

McMahon

McMahon

Mosely

Rogers

L G Scales

Arnold

naron

Mosely

Woolsey

naron

Jones

Legend
Water Mains
Diameter
- 1" to 3"
- 4"
- 6"
- 8"
- 10"
- 12"
- 16"
- 18"
- 20"
- Fire Hydrant

1,000 Feet

JOEL B. SPAULDING JR.
No. 15244
STATE OF TENNESSEE
9/2013

Joel B. Spaulding & Company, Inc.
2402 Winford Avenue
Nashville, Tennessee 37211

7.0 Description of System

Treated wastewater approximately 60,000 gpd is pumped through arkal filter units and then distributed to HDPE drip lines with pressure compensating emitters. The drip lines are to be installed on 5-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 subdivision 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 filters (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.