

BUTLER | SNOW

July 16, 2015

VIA ELECTRONIC FILING

Hon. Herbert H. Hilliard, Chairman
c/o Sharla Dillon
Tennessee Regulatory Authority
502 Deaderick Street, 4th Floor
Nashville, TN 37243

RE: *Petition of Tennessee American Water Company Regarding the Production Costs and Other Pass Through Rider*, TRA Docket No. 15-00001

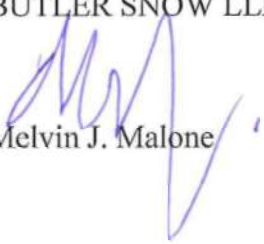
Dear Chairman Hilliard:

Attached for filing please find *Tennessee American Water Company's Supplemental Response to Third Set of Requests for Information of the TRA* in the above-captioned matter.

As required, an original of this filing, along with four (4) hard copies, will follow. Should you have any questions concerning this filing, or require additional information, please do not hesitate to contact me.

Very truly yours,

BUTLER SNOW LLP


Melvin J. Malone

clw

Attachments

cc: Deron Allen, President, Tennessee-American Water Company
Wayne Irvin, Assistant Attorney General, Consumer Advocate and Protection Division
Vance Broemel, Assistant Attorney General, Consumer Advocate and Protection Division

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**TENNESSEE AMERICAN WATER COMPANY
DOCKET 15-00001
RESPONSE TO THIRD SET OF REQUEST FOR INFORMATION
OF THE
TENNESSEE REGULATORY AUTHORITY**

Responsible Witnesses: Linda C. Bridwell

Question:

1. Please explain the rationale for the Company adding sales tax to Chemical Costs purchased from ADC even though sales tax was not included on the invoice.

Response:

To support accurate tax accruals and payments, the Company's invoice processing software is designed to accrue use tax on invoices that are determined to be taxable, but did not have the tax billed on the invoice. These invoices had tax accrued and paid directly to the taxing agency until July 2014.

Supplemental Response July 15, 2015:

In the originally filed workpapers, Tennessee American included \$3,929.39 in accrued taxes for the ADC invoices. Refer to file TN Chemicals 2014 – workpapers, tab “ADC” and the sum of cells K38 and K62, minus the cells J38 and J62.

Tennessee American has attached the tax remittance details that include \$3,419.84 of tax paid to the Tennessee Department of Revenue in 2014. In the detail pdf of the attachments, specific amounts are noted that have a description of “Chemicals”. Tennessee American has also attached an excel spreadsheet TAW_R_TRADR3_001_071515 that includes a tab called “2014 ADC Accrued Tax” that shows each of those accrued items and sums to \$3,419.84. This excel file is only being provided electronically.

Tennessee American believes the original filing is correct in the entire \$3,929.39 accrued and paid to the Tennessee Department of Revenue but is unable to provide additional reconciliation at this time.



AMERICAN WATER

July 16, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; June 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$244,898.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 228,619.00
Hamilton Cty – TN American	101149857	871.00
Marion City – TN American	101149866	592.00
Sequatchie Cty – TN American	104209447	111.00
Red Bank – TN American	101149900	14.00
Lookout Mtn – TN American	101149875	6,026.00
Ridgeside – TN American	101149884	0.00
East Ridge – TN American	101149893	189.00
Use Tax – TN American	101149848	8,476.00
TN American - City of Whitwell	106490086	0.00
		\$ 244,898.00

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept
American Water Shared Services Center
131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 ☎ fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

July 15, 2014 1:13:29 PM CDT

You have successfully filed a Tennessee Sales and Use Tax Return Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT** mail a paper return in addition to this online filing and **DO NOT** send a duplicate payment if you have authorized a payment online.

Your confirmation number is: 157262215

Tax Return

TENNESSEE DEPARTMENT OF REVENUE **STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT**

Location Name TN-AM-USE TAX
Location Address 1101 BROAD STREET
Sales Tax Account ID *****9848

Filing Period 06/01/2014 to 06/30/2014
Amended Return No
CLOSED Business No
Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	91,629.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	91,629.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	91,629.00
8. State Tax - Line 7 multiplied by 7.00%.	6,414.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	2,062.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	8,476.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAX IS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	8,476.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	91,629.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	91,629.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	91,629.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25% .	2,062.00

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 6/30/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 01

Document Currency Document Currency Document Currency Individual

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

Display More Chars

All Documents in Currency * Display Currency USD Company code

Period	Debit	Credit	Balance	Cum. balance
Bal Carryfor				14,367.72
1	37,985.06	27,858.65	10,126.41	4,241.31
2	8,725.19	20,243.91	11,518.72	15,760.03
3	25,348.76	28,936.49	3,587.73	19,347.76
4	30,176.68	14,049.08	16,127.60	3,220.16
5	5,315.55	12,159.32	6,843.77	10,063.93
6	11,987.51	10,399.25	1,588.26	8,475.67
7	1,584.30	2,793.14	1,208.84	9,684.51
8				9,684.51
9				9,684.51
10				9,684.51
11				9,684.51
12				9,684.51
Total	121,123.05	116,439.84	4,683.21	9,684.51

(8,475.67)

Component Code	Account	Posting Date	Posting Period	Document Type	Document Number	Posting Key	General Ledger Amount	Document Currency	Reference	Offsetting acct no.	Name of offsetting account	Document Date	Entry Date
1026	23554000	6/1/2014	2014	6	100010066	40	44.00	USD	5000012144	5000012144	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/1/2014	2014	6	100010066	40	476.65	USD	3707010	3707010	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012004	50	67.17	USD	3707010	3707010	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012004	50	187.71	USD	5000012179	5000012179	Misc Exp (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	100010062	40	36.00	USD	5000012179	5000012179	Misc Exp (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	1.25	USD	8444	8444	Trash Removal - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	36.00	USD	TABLE LEAF DEPOS	TABLE LEAF DEPOS	Trash Removal - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	187.71	USD	120651	120651	Misc Exp (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	280.02	USD	TABLE LEAF DEPOS	TABLE LEAF DEPOS	Misc Exp (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	96.00	USD	120651	120651	Capital Purchases Clearing	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	17.31	USD	BMS739127	BMS739127	GR - Stock C (Chemicals)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	18.50	USD	BMS739127	BMS739127	GR - Stock C (Chemicals)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	13.80	USD	1388801	1388801	GR - Stock C (Chemicals)	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	2.97	USD	0000P-63711214	0000P-63711214	Overnight Shipping - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	0.95	USD	0000P-63711214	0000P-63711214	Overnight Shipping - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	26.37	USD	1000000000	1000000000	M & S (O&M) - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	19.54	USD	1023	1023	Collection Agencies	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	67.11	USD	19663	19663	Janitorial - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	20.07	USD	5000012268	5000012268	Community Partnerships	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	36.00	USD	5000012268	5000012268	Community Partnerships	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	23.73	USD	N/A	N/A	Community Partnerships	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	67.63	USD	0012020-IN	0012020-IN	Community Partnerships	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	484.00	USD	58381430	58381430	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	14.26	USD	142617	142617	Contract Svc-Eng - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	2.60	USD	142617	142617	Contract Svc-Eng - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	11.08	USD	142617	142617	Contract Svc-Eng - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	3.56	USD	142617	142617	Contract Svc-Eng - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	36.00	USD	58359551	58359551	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	20.55	USD	58359552	58359552	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	20.55	USD	58359552	58359552	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	10.27	USD	2559847	2559847	GR - Stock E (Materials)	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	2.60	USD	1027884	1027884	Security Service - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	2.60	USD	1027884	1027884	Security Service - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	29.63	USD	2850984	2850984	GR - Stock E (Materials)	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	1.43	USD	373183	373183	GR - Stock E (Materials)	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	4.83	USD	0142942019MAY14	0142942019MAY14	Security Service - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	1.76	USD	DMRG 405	DMRG 405	M & S (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	0.57	USD	DMRG 405	DMRG 405	M & S (O&M) - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	15.77	USD	8059	8059	M & S (O&M) - Natural Account	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	13.36	USD	2857948	2857948	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	12.33	USD	2857948	2857948	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	23.84	USD	155022314ADJ	155022314ADJ	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	37.01	USD	0000015449	0000015449	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	60.37	USD	22193971	22193971	Contract Svc-Other - Natural Account	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	14.26	USD	5000005918	5000005918	Adv Recd Non-Services Clearing	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	86.96	USD	5000005918	5000005918	Adv Recd Non-Services Clearing	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	246.63	USD	5000005918	5000005918	Adv Recd Non-Services Clearing	5/22/2014	5/22/2014
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1026	23554000	6/2/2014	2014	6	5000012179	50	162.29	USD	374962	374962	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	10.13	USD	23576781	23576781	GR - Stock E (Materials)	5/22/2014	5/22/2014
1026	23554000	6/2/2014	2014	6	5000012179	50	6.40	USD	23576781	23576781	GR - Stock E (Materials)	5/22/2014	5/22/2014

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Tennessee American Water									
GL Download									
June 2014									
Document Type	Account	Posting Date	Posting Period	Document Type	Document Number	Posting Year	General Ledger Amount	Document Currency	Raw
Sum of General Ledger amount									
GL	37.01								
GL	(1,646.56)								
GL	(1,752.05)								
GL	1,896.57								
GL	9,053.68								
GL	1,598.26								
Grand Total									
GL	2365-4000	6/26/2014	2014	RE	5000012911	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012911	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012905	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012905	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012914	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012914	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012907	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012907	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012948	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012948	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012977	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012977	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012978	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012978	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013002	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013002	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012989	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012989	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013005	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013005	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012981	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012979	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012979	50	(1,646.56) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012979	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012979	50	(1,752.05) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013000	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000013000	50	(1,896.57) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012983	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012983	50	(9,053.68) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012993	50	(1,598.26) USD		
1026	2365-4000	6/26/2014	2014	RE	5000012993	50	(1,598.26) USD		



AMERICAN WATER

June 18, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; May 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$250,559.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 195,279.00
Hamilton Cty – TN American	101149857	2,429.00
Marion City – TN American	101149866	5,920.00
Sequatchie Cty – TN American	104209447	1,073.00
Red Bank – TN American	101149900	9,292.00
Lookout Mtn – TN American	101149875	4,440.00
Ridgeside – TN American	101149884	735.00
East Ridge – TN American	101149893	17,017.00
Use Tax – TN American	101149848	10,064.00
TN American - City of Whitwell	106490086	4,310.00
		\$ 250,559.00

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept

American Water Shared Services Center

131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 ☎ fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

June 17, 2014 9:22:13 AM CDT

You have successfully filed a Tennessee Sales and Use Tax Return. Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT mail a paper return in addition to this online filing and DO NOT send a duplicate payment if you have authorized a payment online.**

Your confirmation number is: 156808632

Tax Return



TENNESSEE DEPARTMENT OF REVENUE STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT

Location Name TN-AM-USE TAX
 Location Address 1101 BROAD STREET
 Sales Tax Account ID *****9848

Filing Period 05/01/2014 to 05/31/2014
 Amended Return No
 CLOSED Business No
 Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	108,799.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	108,799.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	108,799.00
8. State Tax - Line 7 multiplied by 7.00%.	7,616.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	2,448.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	10,064.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAXIS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	10,064.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	108,799.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	108,799.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	108,799.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25%.	2,448.00

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 5/31/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 0L

Document Currency Document Currency Document Currency Individual Ac

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

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All Documents in Currency * Display Currency USD Company code cur

Period	Debit	Credit	Balance	Cum. balance
Bal. Carryfor				14,367.72
1	37,985.06	27,858.65	10,126.41	4,241.31
2	8,725.19	20,243.91	11,518.72	15,760.03
3	25,348.76	28,936.49	3,587.73	19,347.76
4	30,176.68	14,049.08	16,127.60	3,220.16
5	5,315.55	12,159.32	6,843.77	10,063.93
6	520.85	934.78	413.93	10,477.86
7				10,477.86
8				10,477.86
9				10,477.86
10				10,477.86
11				10,477.86
12				10,477.86
Total	108,072.09	104,182.23	3,889.86	10,477.86

(10,063.93)

[illegible]

**AMERICAN WATER**

May 16, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; April 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$298,907.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 240,947.00
Hamilton Cty – TN American	101149857	2,058.00
Marion City – TN American	101149866	5,385.00
Sequatchie Cty – TN American	104209447	1,448.00
Red Bank – TN American	101149900	10,221.00
Lookout Mtn – TN American	101149875	3,464.00
Ridgeside – TN American	101149884	431.00
East Ridge – TN American	101149893	27,149.00
Use Tax – TN American	101149848	3,220.00
TN American - City of Whitwell	106490086	4,584.00
		\$ 298,907.00

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept
American Water Shared Services Center
131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 ☎ fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

May 12, 2014 3:06:31 PM CDT

You have successfully filed a Tennessee Sales and Use Tax Return Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT** mail a paper return in addition to this online filing and **DO NOT** send a duplicate payment if you have authorized a payment online.

Your confirmation number is: 156199193

Tax Return**TENNESSEE DEPARTMENT OF REVENUE****STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT**

Location Name TN-AM-USE TAX /
Location Address 1101 BROAD STREET
Sales Tax Account ID *****9848

Filing Period 04/01/2014 to 04/30/2014
Amended Return No
CLOSED Business No
Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	34,813.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	34,813.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	34,813.00
8. State Tax - Line 7 multiplied by 7.00%.	2,437.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	783.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	3,220.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAX IS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	3,220.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	34,813.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	34,813.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	34,813.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25% .	783.00

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 4/30/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 01

Document: Currency Document: Currency Document: Currency Individual Account

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

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All Documents in Currency * Display Currency USD Company code currenc

Period	Debit	Credit	Balance	Cum. balance
Bal. Carryfor.				14,367.72
1	37,985.06	27,858.65	10,126.41	4,241.31
2	8,725.19	20,243.91	11,518.72	15,760.03
3	25,348.76	28,936.49	3,587.73	19,347.76
4	30,176.68	14,049.08	16,127.60	3,220.16
5	10.86	1,394.58	1,383.72	4,603.88
6				4,603.88
7				4,603.88
8				4,603.88
9				4,603.88
10				4,603.88
11				4,603.88
12				4,603.88
Total	102,246.55	92,482.71	9,763.84	4,603.88

(3,220.16)

1980

Company Code	Account	Posting Date	Posting Period	Document Type	Document Number	Received From	Received Amount	Received Currency	Reference	Offsetting account	Document Date	Entry Date
1028	2854000	4/17/2014	4	KR	5000011239	50	(45.53) USD		77693	Chemicals	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011239	50	(1.51) USD		77693	Chemicals	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011437	50	(0.61) USD		16390691	Employee Awards	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011437	50	(113.41) USD		16390691	Employee Awards	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011449	50	(53.97) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011462	50	(14.70) USD		11330243	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011467	50	(124.53) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011467	50	(44.00) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011467	50	(3.30) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011467	50	(15.00) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011551	50	(3.44) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011551	50	(1.48) USD		14304	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011548	50	(178.12) USD		23726	Waste Disposal	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011548	50	(13.76) USD		23726	Waste Disposal	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011542	50	(5.62) USD		10260104031	Collection Agencies	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011542	50	(3.25) USD		10260104031	Collection Agencies	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011542	50	(0.77) USD		334124154	Contract Soc-Other - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011542	50	(18.70) USD		47962	Misc Exp (O&M) - Natural Acct	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011546	50	(6.03) USD		92962	Misc Exp (O&M) - Natural Acct	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011546	50	(349.47) USD		82720	Bank Service Charges - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011508	50	(56.00) USD		82720	Bank Service Charges - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011484	50	(24.85) USD		11330248	Tractor	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011525	50	(2.49) USD		11330248	Tractor	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011525	50	(10.85) USD		11330248	Tractor	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011509	50	(21.00) USD		11330248	Tractor	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011555	50	(6.75) USD		7986	M & S (O&M) - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011555	50	(0.79) USD		7986	M & S (O&M) - Natural Account	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011608	50	(2.45) USD		55362	Missouri-American Water Co.	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	KR	5000011608	50	(0.84) USD		55362	Missouri-American Water Co.	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011251	50	(0.53) USD		76046	GR - Stock C (Chemicals)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011251	50	(13.82) USD		2628742	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011253	50	(27.11) USD		2628742	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011253	50	(61.88) USD		2628742	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011253	40	0.03 USD		2628742	MUELLER CO	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011253	40	(1.40) USD		2628742	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011407	50	(0.45) USD		27005	GR - Stock C (Chemicals)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011258	50	(69.55) USD		76045	GR - Stock C (Chemicals)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011043	50	(27.37) USD		344714	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011043	50	(5.88) USD		9408748753	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011171	50	(1.82) USD		532176	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011045	50	(24.50) USD		532176	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011045	50	(0.24) USD		532176	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011045	50	(0.41) USD		532176	GR - Non-Inventry	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011126	50	(2.02) USD		326414	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011126	50	(9.94) USD		326414	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011321	50	(12.07) USD		326414	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011321	50	(17.27) USD		326414	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011312	50	(25.70) USD		2813415	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011312	50	(1.73) USD		2813415	GR - Stock C (Chemicals)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011262	50	(0.66) USD		2813415	GR - Stock C (Chemicals)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011262	50	(1.85) USD		2813415	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011384	50	(12.88) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50	(10.40) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50	(3.41) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50	(34.45) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50	(0.81) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50	(54.37) USD		2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014
1028	2854000	4/17/2014	4	RE	5000011065	50			2821155	GR - Stock E (Materials)	4/17/2014	4/17/2014

Tennessee American Water	
GA Download	
April 2014	
Sum of General ledger amount	407.63
RG	(12,855.96)
RE	(1,555.99)
SN	10,421.25
ZF	19,070.37
Grand Total	15,121.50

Gannett American Water		Total		407.63		Actual																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														</	
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**AMERICAN WATER**

April 15, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; March 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$247,633.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 180,375.00
Hamilton Cty – TN American	101149857	2,602.00
Marion City – TN American	101149866	5,393.00
Sequatchie Cty – TN American	104209447	1,020.00
Red Bank – TN American	101149900	9,357.00
Lookout Mtn – TN American	101149875	3,190.00
Ridgeside – TN American	101149884	388.00
East Ridge – TN American	101149893	21,858.00
Use Tax – TN American	101149848	19,348.00
TN American - City of Whitwell	106490086	4,102.00
		\$ 247,633.00

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept
American Water Shared Services Center
131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 ☎ fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

April 14, 2014 1:19:04 PM CDT

You have successfully filed a Tennessee Sales and Use Tax Return. Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT** mail a paper return in addition to this online filing and **DO NOT** send a duplicate payment if you have authorized a payment online.

Your confirmation number is: 155650441

Tax Return**TENNESSEE DEPARTMENT OF REVENUE**

STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT

Location Name TN-AM-USE TAX
Location Address 1101 BROAD STREET
Sales Tax Account ID *****9848

Filing Period 03/01/2014 to 03/31/2014
Amended Return No
CLOSED Business No
Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	209,165.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	209,165.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	209,165.00
8. State Tax - Line 7 multiplied by 7.00%.	14,642.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	4,706.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	19,348.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAX IS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	19,348.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	209,165.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	209,165.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	209,165.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25%.	4,706.00

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 3/31/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 01

Document Currency Document Currency Document Currency Individual Ac

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

Display More Chars

All Documents in Currency Display Currency USD Company code cu

Period	Debit	Credit	Balance	Cumulative balance
Bal. Carryfor				14,367.72
1	37,985.06	27,858.65	10,126.41	4,241.31
2	8,725.19	20,243.91	11,518.72	15,760.03
3	25,346.76	28,936.49	3,587.73	19,347.76
4	4,285.45	689.83	3,595.62	15,752.14
5				15,752.14
6				15,752.14
7				15,752.14
8				15,752.14
9				15,752.14
10				15,752.14
11				15,752.14
12				15,752.14
Total	76,344.46	77,728.88	1,384.42	15,752.14

(19,347.76)



AMERICAN WATER

March 13, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; February 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$281,108.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 213,672.00
Hamilton Cty – TN American	101149857	3,224.00
Marion City – TN American	101149866	6,336.00
Sequatchie Cty – TN American	104209447	1,280.00
Red Bank – TN American	101149900	8,657.00
Lookout Mtn – TN American	101149875	4,284.00
Ridgeside – TN American	101149884	411.00
East Ridge – TN American	101149893	22,871.00
Use Tax – TN American	101149848	15,761.00
TN American - City of Whitwell	106490086	4,611.00
		\$ 281,108.00

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept

American Water Shared Services Center

131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 📠 fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

March 13, 2014 8:15:20 AM CDT

You have successfully filed a Tennessee Sales and Use Tax Return Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT** mail a paper return in addition to this online filing and **DO NOT** send a duplicate payment if you have authorized a payment online.

Your confirmation number is: 154885540

Tax Return



TENNESSEE DEPARTMENT OF REVENUE

STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT

Location Name TN-AM-USE TAX
Location Address 1101 BROAD STREET
Sales Tax Account ID *****9848

Filing Period 02/01/2014 to 02/28/2014
Amended Return No
CLOSED Business No
Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	170,379.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	170,379.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	170,379.00
8. State Tax - Line 7 multiplied by 7.00%.	11,927.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	3,834.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	15,761.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAX IS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	15,761.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

15,761.00

A10

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	170,379.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	170,379.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	170,379.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25% .	3,834.00

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 2/28/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 0L

Document Currency Document Currency Document Currency Individual Acc

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

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All Documents in Currency Display Currency USD Company code cur

Period	Debit	Credit	Balance	Cumulative balance
Bal Carryfor				14,367.72
1	37,985.06	27,858.65	10,126.41	-4,241.31
2	8,725.19	20,243.91	11,518.72	15,760.03
3	1,044.48	3,953.36	2,908.88	18,668.91
4				18,668.91
5				18,668.91
6				18,668.91
7				18,668.91
8				18,668.91
9				18,668.91
10				18,668.91
11				18,668.91
12				18,668.91
Total	47,754.73	52,055.92	4,301.19	18,668.91

(15,760.03)

[illegible]



AMERICAN WATER

February 17, 2014

Tennessee Department of Revenue
Andrew Jackson Building
500 Deaderick St.
Nashville, TN 37242

RE: Tennessee American Water; State and Local Sales and Use Tax Return; January 2014
ID #: 101149839, Tax Type: 02001

To Whom It May Concern:

You will be receiving an ACH Payment for \$287,529.00 from **Tennessee American Water**. The breakdown of the payment is as follows:

Location Name	Tax Account ID #	Payment Amount
Chattanooga – TN American	101149839	\$ 229,490.00
Hamilton Cty – TN American	101149857	3,805.00
Marion City – TN American	101149866	5,266.00
Sequatchie Cty – TN American	104209447	963.00
Red Bank – TN American	101149900	13,763.00
Lookout Mtn – TN American	101149875	1,243.00
Ridgeside – TN American	101149884	517.00
East Ridge – TN American	101149893	24,030.00
Use Tax – TN American	101149848	4,242.00
Powells Crossroads – TN American		2,105.00
City of Whitwell – TN American		2,105.00
		\$ 287,529.00

Along with this letter you will see returns for Powells Crossroads and City of Whitwell. We are in the midst of creating new accounts for these two locations so that we will be filing the returns online by next month.

If there are any questions applying this payment please feel free to contact me.

Thank you,

Paul Laska

Senior Tax Accountant - General Tax Dept

American Water Shared Services Center

131 Woodcrest Road, Cherry Hill NJ 08003

☎ phone: 856.310.5752 ☎ fax: 856-672-2875 | ✉ e-mail: paul.laska@amwater.com

American Water C/O General Tax P.O. Box 5627 Cherry Hill, NJ 08034-5627
Telephone: (856) 310-5752 Fax: (856) 672-2875

Confirmation

February 17, 2014 10:01:07 AM CST

You have successfully filed a Tennessee Sales and Use Tax Return. Please be aware that information you have submitted will be verified. If discrepancies are found, you will be notified by the Tennessee Department of Revenue. **DO NOT** mail a paper return in addition to this online filing and **DO NOT** send a duplicate payment if you have authorized a payment online.

Your confirmation number is: 154415863

Tax Return
TENNESSEE DEPARTMENT OF REVENUE
STATE AND LOCAL SALES AND USE TAX RETURN SLS 450 - OFFICIAL DOCUMENT

Location Name TN-AM-USE TAX
 Location Address 1101 BROAD STREET
 Sales Tax Account ID *****9848

Filing Period 01/01/2014 to 01/31/2014
 Amended Return No
 CLOSED Business No
 Filing Option Filing Only

1. Gross Sales - Including Food Sales and/or Rental Proceeds	45,852.00
2. Add Cost of Personal Property purchased on a Resale Certificate, but used by you, including Gifts and Premiums.	0.00
3. Add Cost of Out of State Purchases and Property imported into Tennessee for your use.	0.00
4. Fair market value of Tangible Personal Property fabricated, produced, compounded, or severed from the earth for use in the State of Tennessee.	0.00
5. Total - Add Lines 1, 2, 3 and 4.	45,852.00
6. Exempt Transactions - Total from Schedule A, Line K.	0.00
7. Net Taxable Total - State - Line 6 subtracted from Line 5.	45,852.00
8. State Tax - Line 7 multiplied by 7.00%.	3,210.00
9. State Food Tax - Schedule A, Line A multiplied by 5.00%.	0.00
10. Local Tax - Schedule B Line 8, or Line 7 multiplied by local tax rate.	1,032.00
11. Enter any tax collected in excess of State and Local Levies.	0.00
12. State Tax on transactions subject to State Single Article and Reduced Rates. Total from Schedule C Line 7.	0.00
13. Local Tax on transactions subject to the reduced rate of tax. Total tax entered from Schedule C, Line 10.	0.00
14. Total Tax - Add Lines 8, 9, 10, 11, 12, and 13.	4,242.00
15. Enter credit memo balance.	0.00
16. Penalty: If filed late, compute penalty at 5% of the tax (Line 14 minus Line 15) for each 1 to 30 day period for which TAXIS DELINQUENT. (Total penalty not to exceed 25%.) Minimum penalty is \$15 regardless of the amount of tax due or whether there is any tax due.	0.00
17. Interest: If filed late, compute interest at 7.25% per year on the tax (Line 14 minus Line 15) from the due date to the date of payment.	0.00
18. Prepaid Wireless E911 fee: 53 cents per retail transaction for prepaid wireless telecommunications less 3% administrative fee.	0.00
19. Total Due If filed timely, subtract Line 15 from Line 14 and add Line 18. If filed late, subtract Line 15 from Line 14 and add Lines 16, 17 and 18.	4,242.00

Schedule A - Exempt Transactions

A. Food Net Taxable (add to schedule B, Line 2).	0.00
B. Sales made to vendors or other establishments for resale, and sales of items to be used in processing articles for sale. (Certificates of Resale must be retained by the Dealer.)	0.00
C. Sales of items specifically exempt by State Law.	0.00
D. Sales to the Federal Government, the State of Tennessee and its political Subdivisions, and sales to qualified institutions such as Churches, Non-profit Schools, Hospitals, Homes for the Aged, and Orphanages.	0.00
E. Returned Merchandise. Items voluntarily returned by the purchaser included as sales on this or a previous return. Show on Schedule B, Line 2, any amount claimed on Schedule B, Line 4, of prior returns.	0.00
F. Sales of Specifically exempt "Industrial Machinery" and exempt agricultural purchases.	0.00
G. Sales in Interstate Commerce where the purchaser takes possession outside of Tennessee for use or consumption outside of Tennessee; and sales of motor vehicles and trailers delivered out-of-state by dealers and sales of motor vehicles and boats removed by non-resident customers within three (3) days.	0.00
H. Repossessions - Enter that portion of the unpaid principal balances in excess of \$500 due on tangible personal property repossessed from customers. Report the same amount on Schedule B, Line 2.	0.00
I. Other - Enter deductions authorized by state law but not included elsewhere in Schedule A. Include: sales not subject to full state rate such as industrial energy fuel and water, trade-ins, and cash discounts.	0.00
J. Sales Tax Holiday (first Friday through following Sunday in August). Line J is for Sales Tax Holiday Only.	0.00

K. TOTAL - Add lines A through J above.

0.00

Schedule B - Computation of Local Sales and Use Tax. Note: Use this schedule if Local Taxable Sales do not equal State Taxable Sales.

1. Net taxable total - State.	45,852.00
2. Adjustments (total of Schedule A, Line A and any applicable amounts in Lines E and H above.)	0.00
3. Total of Lines 1 and 2.	45,852.00
4. Enter all amounts in excess of your single article tax base indicated on SLS 450 Part Two, Line 10 of the return on each single article sold or purchased which has been reported, but not deducted elsewhere.	0.00
5. Energy Fuel Sales - Enter all energy fuel sales taxed at the full state rate. Do not include sales subject to the reduced rate. See Schedule A, Line I and Schedule C, Line 5.	0.00
6. Other - All local tax deductions, <i>including</i> taxable sales of specified digital products subject to 2.5% local tax rate, that are not included in lines 4 and 5, and <i>ONLY</i> the portion of taxable sales of specified digital products subject to 2.5% local tax rate.	0.00
7. Net Taxable Total - Lines 4, 5, and 6 subtracted from Line 3.	45,852.00
8. Local Sales and Use Tax Total - Line 7 multiplied by local tax rate 2.25%.	1,032.00 ✓

Schedule C - Computation of State Single Article Tax and Reduced Rates on Energy & Water (Applicable Figures From Schedule B Must be Reported).

1. Taxable Single Article Sales from \$1,600 to \$3,200.	0.00
2. State Tax - 2.75% of Line 1.	0.00
3. Water - Enter sales/purchases of water subject to industrial tax rate. Important: See Schedule C Line 8.	0.00
4. State Tax - 1.00% of Line 3.	0.00
5. Energy Fuels - Enter all sales subject to industrial tax rate, (Schedule A, Line I).	0.00
6. State Tax - 1.50% of Line 5.	0.00
7. Total of lines 2, 4 and 6. Local Computation - Complete this section only if transactions are subject to local tax.	0.00
8. Water - Multiply sales/purchases of water on Schedule C Line 3 by 1/2 of 1% local industrial tax rate and enter.	0.00
9. Specified Digital Products - Net taxable sales of specified digital products included in Schedule B Line 6 multiplied by 2.5%.	0.00
10. Local Tax - (Add tax calculations from Lines 8 and 9) - Enter here and on Page 1, Line 13.	0.00

Tennessee American Water
Company No. 26
Sales and use Tax Reconciliation
Tax Year 2013
Period Ending: 1/31/2014

Account Edit Goto Environment System Help

Balance Display: G/L Accounts For the Ledger 01

Document Currency Document Currency Document Currency Individual Account

Account Number 23654000 Accr Tax-Use Tax
Company Code 1026 Tennessee-American Water
Fiscal Year 2014

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All Documents in Currency * Display Currency USD Company code currency

Period	Debit	Credit	Balance	Cumulative balance
Bal. Carryfor				14,367.72-
1	37,985.06	27,859.65	10,126.41	4,241.31-
2		9,209.88	9,209.88-	13,451.19-
3				13,451.19-
4				13,451.19-
5				13,451.19-
6				13,451.19-
7				13,451.19-
8				13,451.19-
9				13,451.19-
10				13,451.19-
11				13,451.19-
12				13,451.19-
Total	37,985.06	37,068.53	916.53	13,451.19-

(4,241.31)

Tennessee American Water									
City, Developed January 2014									
Sum of General Ledger amount									
Account	Ledger	Posting Date	Fiscal Year	Document Type	Document Number	Position Key	General Ledger amount	Document currency	Total
2,656.20	2,656.4000	1/26/2014	2014	RR	5000009548	50	(114.74)	USD	
0.51	2,656.4000	1/26/2014	2014	RR	5000009548	50	(36.00)	USD	
(19,685.31)	2,656.4000	1/26/2014	2014	RR	5000009547	50	(20.64)	USD	
18,626.60	2,656.4000	1/26/2014	2014	RR	5000009547	50	(6.83)	USD	
10,388.00	2,656.4000	1/26/2014	2014	RR	5000009541	50	(31.44)	USD	
10,126.41	2,656.4000	1/26/2014	2014	RR	5000009541	50	(2.10)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009570	50	(0.86)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009571	50	(18.89)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009571	50	(6.01)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009570	50	(36.00)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009542	50	(6.82)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009542	50	(19.89)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009540	50	(2.85)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009540	50	(2.85)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009518	50	(36.89)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009517	50	(3.95)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009515	50	(1.14)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009515	50	(0.89)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009518	50	(127.45)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009518	50	(36.00)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009519	50	(5.78)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009519	50	(2.38)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009520	50	(4.71)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009521	50	(30.50)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009521	50	(36.00)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009527	50	(202.39)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009527	50	(44.00)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009537	50	(1.25)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009538	50	(4.90)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009538	50	(1.30)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009545	50	(385.39)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009545	50	(36.00)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009548	50	(0.40)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009538	50	(27.22)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009529	50	(6.85)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009529	50	(8.46)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009528	50	(2.72)	USD	
	2,656.4000	1/26/2014	2014	RR	5000009528	50	(4.90)	USD	

[illegible]

**TENNESSEE AMERICAN WATER COMPANY
DOCKET 15-00001
RESPONSE TO THIRD SET OF REQUEST FOR INFORMATION
OF THE
TENNESSEE REGULATORY AUTHORITY**

Responsible Witnesses: Linda C. Bridwell

Question:

2. Staff notes that chemical costs from ADC invoices were not included in chemical inventory but were directly included in PCOP costs. Staff also opines that the Company made errors when it totaled up each individual expense. Please verify the following discrepancies and provide a response as to whether the Company agrees.

	Staff	TAWC
Fluosilicic Acid(1200648)	3,421.55	3,590.97
Sodium Hypochlorite(1200942)	16,762.50	16,822.51
Sodium Hydroxide(1201423)	31,777.57	30,584.63
Phosphate, Ortho-Poly Carus (121451)	14,497.25	14,634.42
Polymer(1201701)	1,140.00	2,900.02
	<u>67,598.87</u>	<u>68,532.55</u>

Response:

Tennessee American does not agree. Generally, the same methodology was used for each vendor and chemical type. This process was the same as was used in Docket No. 13-00130. Tennessee American pays the invoices for chemicals purchased from an inventory account 24163000. These transactions are shown on the workpaper tab "GL Trans". However, Tennessee American expenses chemicals based on the amount used each month. The accounting software expenses the chemicals based on an average inventory cost. This is shown in general ledger 51800000 that is reflected on the tab titled "51800000 GL". The amount of chemicals used each month is input from a chemical inventory sheet that is developed at each month end, and entered into the accounting software, SAP. The variance between the inventory level at the beginning and end of the month is the chemicals used. This usage is then multiplied by the cost per pound for chemical. This amount is posted in a journal entry as a debit to chemical expense and a credit to the chemical inventory account. The invoice amounts listed in the

reconciliation are not necessarily what are expensed during the general ledger month. Sometimes less chemicals are used during the month than what was purchased. At other times, more chemicals are used than what was purchased during the general ledger month.

During 2014, Tennessee American began operations at the Whitwell water treatment plant. From January through October, the Whitwell chemicals were not issued from the inventory account, but the chemical invoices were posted directly to the expense account.

Further complicating the calculation, ADC was not charging sales tax on the chemicals provided for the Whitwell operations, however, sales tax was accrued on each invoice until July 2014, and was paid to directly to the taxing agency.

For Fluoride, the difference represents sales tax on the February, March, April, May and June invoices. Additionally, the final invoice posted on 11/5/14 was charged to the inventory account. It also appears that the staff reduced the amount by \$239.97.

For Sodium Hydroxide, the difference is the sales tax amount for March, April, May, and June, and an \$11.44 difference between the general ledger and the invoice payments in April that could not be reconciled. Additionally, the final two invoices posted 11/5/14 and 11/19/14 were charged to the inventory account.

For Sodium Hypochlorite, the difference is the sales tax for January, February, March, April, May and June. Additionally, the final two invoices posted 11/5/14 and 11/19/14 were charged to the inventory account as all other chemicals.

The difference in the Phosphate appears to be sales tax and the final invoice dated 11/5/14 posted to the inventory account.

Finally, the Potassium Permanganate (listed as Polymer on the Monthly Reconciliation tab) difference is sales tax in March, plus an inventory issued amount that did show up otherwise on an invoice specifically from ADC. Although not used frequently, Tennessee American retains a quantity of Potassium Permanganate at the Citico plant.

Supplemental Response July 15, 2015:

Please refer to the attached Whitwell Monthly Operating Reports for chemical usage.

Tennessee American Water - Sequatchie Valley

MONTH OF: January 2014

[illegible]

Certified Operator:

Date _____

Tennessee American Water - Sequatchie Valley

Month of

County - Marion PWS ID: TN0000749 January 2014

County	Date	Raw Water Treated - 1,000 Gallons	a) Types of Filters - Gravity (x) Pressure b) Number of Filters - 2 c) Filter area - Sq.Ft (each) - 152 d) Filter area - Sq.Ft (each) - 152 e) Total area - Sq.Ft (each) - 304 f) Filter Rate gpm/ft2 - 3.0	FILTER OPERATION DATA							MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE				
				2024							2024				
				Number of filters used	Filter Hours - # Filter x Hours Run	Avg Length - Filter Run - Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system		
	1	828		2	33	33	Yes	Yes	Yes	28	1.7			Larry Higdon	
	2	874		2	34	34	Yes	Yes	Yes	27	2.2			West Valley Fire Dept	
	3	895		2	33	33	Yes	Yes	Yes	26	1.8			Greg Ruth	
	4	915		2	34	34	Yes	Yes	Yes	59				no sample required	
	5	898		2	35	35	Yes	Yes	Yes	45				no sample required	
	6	950		2	36	36	Yes	Yes	Yes	23	2.2			Tri-State Concrete	
	7	1060		2	38	38	Yes	Yes	Yes	49	2.2			Doug Magourk	
	8	1103		2	41	41	Yes	Yes	Yes	48	1.8			Red Hill Pump House	
	9	1201		2	43	43	Yes	Yes	Yes	26	2.7			Henry's Fitness Center	
	10	1124		2	43	43	Yes	Yes	Yes	91	1.9			William Miller	
	11	970		2	35	35	Yes	Yes	Yes	58				no sample required	
	12	988		2	38	38	Yes	Yes	Yes	54				no sample required	
	13	940		2	35	35	Yes	Yes	Yes	27	2.6			Jr. Atterton	
	14	928		2	34	34	Yes	Yes	Yes	27	1.7			Red Hill Pump House	
	15	929		2	35	35	Yes	Yes	Yes	86	1.6			Chad Ledford	
	16	882		2	34	34	Yes	Yes	Yes	63	1.7			Ricky Griffith	
	17	882		2	33	33	Yes	Yes	Yes	56	1.0			Wayne Jordan	
	18	910		2	34	34	Yes	Yes	Yes	59				no sample required	
	19	871		2	32	32	Yes	Yes	Yes	57				no sample required	
	20	929		2	34	34	Yes	Yes	Yes	58	2.0			Darrell Dempsey	
	21	912		2	34	34	Yes	Yes	Yes	52	2.4			Johnny McDaniels	
	22	937		2	35	35	Yes	Yes	Yes	51	2.0			Paul Atterton	
	23	937		2	35	35	Yes	Yes	Yes	32	1.4			James Perkins	
	24	993		2	37	37	Yes	Yes	Yes	58	1.8			Victoria Estates Fire Hydrant	
	25	985		2	37	37	Yes	Yes	Yes	82				no sample required	
	26	984		2	38	38	Yes	Yes	Yes	55				no sample required	
	27	946		2	36	36	Yes	Yes	Yes	70	1.8			Cullen Andrew Jones	
	28	927		2	35	35	Yes	Yes	Yes	62	1.6			Raceway	
	29	967		2	37	37	Yes	Yes	Yes	83	2.8			Daus Building Supply	
	30	967		2	39	39	Yes	Yes	Yes	83	2.3			Frank Atterton	
	31	1012		2	40	40	Yes	Yes	Yes	92	2.0			Whitwell High School	
	Total	29644		62	1117					1687				Remarks:	
	Ave	956		2	36	36				54	2.0				
	Max	1201		2	43	43				92	2.8				
	Min	828		2	32	32				23	1.0				

PWS ID: TN0000749

County - Marion

2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Filter Run - Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter s working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system		
										mg/L	mg/L	Static Pressure psi
1	981	a) Types of Filters - Gravity (x) Pressure	2	19	19	yes	yes	yes	107	ns		no sample required
2	954	b) Number of Filters - 2	2	37	37	yes	yes	yes	114	ns		no sample required
3	927	c) Filter area - Sq Ft (each) - 152	2	38	38	yes	yes	yes	57	1.9		Teddy Caldwell: 200 Hackworth Rd. Whitwell, TN
4	933	d) Filter area - Sq Ft (each) - 152	2	35	35	yes	yes	yes	59	1.1		Incline Rd. Pump Station: 359 Incline Rd. Whitwell, TN
5	923	e) Total area - Sq Ft (each) - 304	2	36	36	yes	yes	yes	62	1.5		Subway restaurant: 146 Hwy 283 Whitwell, TN
6	873	f) Filter Rate gpm/ft2 - 3.0	2	35	35	yes	yes	yes	70	2.0		Bryan Lofty: 330 Looney's Creek Whitwell, TN
7	939		2	35	35	yes	yes	yes	63	1.2		Ketner Mill Ln Flush Hydrant: 658 Ketner Mill Ln. Whitwell, TN
8	852		2	33	33	yes	yes	yes	62	ns		no sample required
9	877		2	35	35	yes	yes	yes	97	ns		no sample required
10	918		2	36	36	yes	yes	yes	55	1.8		BP Station: 145 Hwy 283 Whitwell, TN
11	857		2	33	33	yes	yes	yes	83	2.5		Wiley Ross Pump House: 1935 W. Francis Springs Rd. Whitwell, TN
12	896		2	36	36	yes	yes	yes	59	1.7		Jack Green Body Shop: 170 Herkey Rd. Whitwell, TN
13	868		2	34	34	yes	yes	yes	82	1.4		Sulphur Springs Church: 329 Sulphur Springs Rd. Whitwell, TN
14	889		2	34	34	yes	yes	yes	57	1.6		Hubbard Diesel: 2673 Hwy 283 Whitwell, TN
15	847		2	33	33	yes	yes	yes	82	ns		no sample required
16	873		2	34	34	yes	yes	yes	56	ns		no sample required
17	855		2	33	33	yes	yes	yes	53	1.6		Scotty Walters: 270 Shirley Loop Rd. Whitwell, TN
18	863		2	33	33	yes	yes	yes	82	1.4		Sue Cates: 109 Dogwood Ln. Whitwell, TN
19	831		2	33	33	yes	yes	yes	87	1.1		Johnny Morrison: 600 Osceola Dr. Whitwell, TN
20	867		2	34	34	yes	yes	yes	56	2.0		Kevin Higdon: 1260 Hwy 283 Whitwell, TN
21	870		2	34	34	yes	yes	yes	56	1.3		Hubbard Diesel: 2673 Hwy 283 Whitwell, TN
22	808		2	34	34	yes	yes	yes	60	ns		no sample required
23	877		2	35	35	yes	yes	yes	63	ns		no sample required
24	917		2	35	35	yes	yes	yes	82	1.5		Nathan Jones: 2029 Keher Cove Rd. Whitwell, TN
25	787		2	31	31	yes	yes	yes	55	1.8		Sequatchie Fire Dept.: 1759 West Francis Springs Rd. Whitwell, TN
26	805		2	32	32	yes	yes	yes	107	1.9		Hollis Rogers: 295 Omega Dr. Whitwell, TN
27	789		2	32	32	yes	yes	yes	78	1.2		130 Fiddler's Drive
28	771		2	32	32	yes	yes	yes	83	1.7		Pittman Lane flush hydrant: 225 Pittman Ln. Whitwell, TN
29	0											
30	0											
31	0											
Total	24447		56	941					2027			Remarks:
Ave	789		2	34	34				72	1.6		
Max	981		2	38	38				114	2.5		
Min	0		2	19	19				53	1.1		

County - Marion			PWS ID: TN0000749			March		2014		MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE					
Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						Free chlorine at point of sampling & distribution system			Static Pressure psi	Location of sampling point in the distribution system Must vary within system		
			Number of filters used	Filter Hours= # Filters x Hours Run	Avg Length - Filter Run - Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	mg/L					
										mg/L	mg/L				
1	832	a) Types of Filters - Gravity (x) Pressure	2	32	32	Y	Y	Y	Y	110	ns		no sample required		
2	872	b) Number of Filters - 2	2	34	34	Y	Y	Y	Y	141	ns		no sample required		
3	738	c) Filter area - Sq Ft (each) - 152	2	30	30	Y	Y	Y	Y	93	2.2		Layne's Chapel Baptist Church:		
4	763	d) Filter area - Sq Ft (each) - 152	2	31	31	Y	Y	Y	Y	74	2.2		Steven Bourque: 115 Rebecca Drive		
5	798	e) Total area - Sq Ft (each) - 304	2	32	32	Y	Y	Y	Y	148	1.4		180 Fiddler's Drive		
6	786	f) Filter Rate gpm/ft2 - 3.0	2	31	31	Y	Y	Y	Y	121	2.2		Subway Restaurant: 146 Hwy 283		
7	876		2	35	35	Y	Y	Y	Y	160	2.1		Ken Terry: 132221 Griffith Hwy		
8	833		2	32	32	Y	Y	Y	Y	47	ns		no sample required		
9	792		2	29	29	Y	Y	Y	Y	85	ns		no sample required		
10	876		2	32	32	Y	Y	Y	Y	48	1.6		128 Briar Ridge Rd		
11	827		2	33	33	Y	Y	Y	Y	43	1.6		126 Pickett Dr.		
12	816		2	28	28	Y	Y	Y	Y	52	1.4		Valley Supply: 13026 Hwy 28		
13	812		2	31	31	Y	Y	Y	Y	73	1.3		1938 Main St.		
14	854		2	32	32	Y	Y	Y	Y	25	1.6		Jerry Haggard: 305 McCoplin Circle		
15	834		2	33	33	Y	Y	Y	Y	53	ns		no sample required		
16	820		2	33	33	Y	Y	Y	Y	48	ns		no sample required		
17	858		2	33	33	Y	Y	Y	Y	43	2.1		1260 Hwy 283		
18	808		2	31	31	Y	Y	Y	Y	45	1.0		Carl Tate: 784 Frank Tate Rd		
19	820		2	32	32	Y	Y	Y	Y	61	1.9		720 Cheri Circle		
20	825		2	31	31	Y	Y	Y	Y	25	1.6		Jerry Dempsey: 7101 Valley View Hwy		
21	838		2	32	32	Y	Y	Y	Y	27	1.6		200 Pierson Lane		
22	827		2	32	32	Y	Y	Y	Y	51	ns		no sample required		
23	825		2	32	32	Y	Y	Y	Y	48	ns		no sample required		
24	791		2	31	31	Y	Y	Y	Y	23	1.8		Lebron Atterton: 123 Bailey Lane		
25	803		2	30	30	Y	Y	Y	Y	48	1.5		Paul Atterton: 134 Kelly St.		
26	768		2	29	29	Y	Y	Y	Y	21	2.1		217 Mtn Crest Dr.		
27	836		2	31	31	Y	Y	Y	Y	51	1.6		Brian Nunley: 1150 Tanya Dr.		
28	787		2	31	31	Y	Y	Y	Y	48	1.9		13960 Hwy 28`		
29	801		2	30	30	Y	Y	Y	Y	48	ns		no sample required		
30	787		2	31	31	Y	Y	Y	Y	42	ns		no sample required		
31	853		2	31	31	Y	Y	Y	Y	45	1.8		Darrell Dempsey: 128 Pickett Dr.		
Remarks:															
Total	25356		62	975						1947			0		
Ave	818		2	31	31					62.8065	1.7	#DIV/0!			
Max	876		2	35	35					160	2.2	0.0	0		
Min	738		2	28	28					21	1.0	0.0	0		



Date	Raw Water Treated 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water Temperature °C	TURBIDITY										PHYSICAL AND CHEMICAL CHARACTERISTICS										CHEMICALS USED POUNDS PER 24 HOURS										CHEMICALS USED CALCULATED DOSAGE mg/L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded										Chlorine Residual mg/L	PM	Top of Filter	Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L			Coagulant- Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Disinfection Aid	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				AM	4-8			8-12			12-4						4-8	8-12	12-4	Total Raw	Eff	Raw	Eff	Raw	Eff													Raw	Eff	Dist																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature

Operator Number

Date

		MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE										
Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA							MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE		
			Number of filters used	Filter Hours=# Filter x Hours Run	Avg Length Filter Run - Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter s working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	820	a) Types of Filters - Gravity (x) Pressure	2	31	31	Y	Y	Y	49	2.2	180 Fuzz Rollins Rd.	
2	815	b) Number of Filters - 2	2	32	32	Y	Y	Y	50	1.3	Scotty Walters: 270 Shirley Loop	
3	824	c) Filter area - Sq Ft (each) - 152	2	31	31	Y	Y	Y	25	2.6	316 North Elm St.	
4	861	d) Filter area - Sq Ft (each) - 152	2	31	31	Y	Y	Y	122	1.2	346 Angela Drive	
5	788	e) Total area - Sq Ft (each) - 304	2	30	30	Y	Y	Y	55	ns	no sample required	
6	825	f) Filter Rate gpm/ft2 - 3.0	2	31	31	Y	Y	Y	24	ns	no sample required	
7	797		2	32	32	Y	Y	Y	23	1.2	Smith Hardware: 146 Hwy 283	
8	815		2	31	31	Y	Y	Y	29	1.0	David Burgess: 777 Reels Cove Rd.	
9	826		2	32	32	Y	Y	Y	27	2.1	1260 Hwy 283	
10	875		2	33	33	Y	Y	Y	32	1.4	Wayne Bice: 2785 Alvin York Hwy	
11	859		2	32	32	Y	Y	Y	30	2.4	565 Panorama Trail	
12	851		2	33	33	Y	Y	Y	29	ns	no sample required	
13	855		2	32	32	Y	Y	Y	28	ns	no sample required	
14	915		2	35	35	Y	Y	Y	21	1.1	Ken Skiles: 125 Cedar Springs Rd	
15	843		2	32	32	Y	Y	Y	24	1.7	Paul Atterton: 134 Kelly St.	
16	805		2	31	31	Y	Y	Y	28	1.7	Whitwell High School: 200 Tiger Trail	
17	882		2	33	33	Y	Y	Y	28	2.1	330 Looney's Creek	
18	785		2	31	31	Y	Y	Y	50	2.0	Greg Ruth: 217 Mtn. Crest Dr	
19	839		2	34	34	Y	Y	Y	22	ns	no sample required	
20	856		2	34	34	Y	Y	Y	23	ns	no sample required	
21	832		2	32	32	Y	Y	Y	21	1.6	Steve Kilgore: 218 Osceola Dr.	
22	869		2	32	32	Y	Y	Y	24	1.6	Wanda Cooper: 1391 Jones Crossing Rd.	
23	781		2	30	30	Y	Y	Y	27	1.4	Devin Easterly: 194 Cedar Springs Loop	
24	862		2	32	32	Y	Y	Y	26	1.4	Whitwell City Hall: 13671 Hwy 28	
25	857		2	33	33	Y	Y	Y	28	1.1	Whitwell Middle School: 1 Butterfly Lane	
26	843		2	33	33	Y	Y	Y	26	ns	no sample required	
27	851		2	32	32	Y	Y	Y	20	ns	no sample required	
28	817		2	31	31	Y	Y	Y	21	1.3	Eddie Mooneyham: 140 Rebecca Drive	
29	775		2	30	30	Y	Y	Y	23	1.0	Kenny Atterton: 300 Old Mill Rd.	
30	812		2	32	32	Y	Y	Y	25	1.1	Neil Caldwell: 140 Herky Rd.	
31												
Total		25035	60	958					960		Remarks:	
Ave		835	2	32	32				32	1.6		
Max		915	2	35	35				122	2.6		
Min		775	2	30	30				20	1.0		

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

COMPREHENSIVE MONTHLY OPERATIONS REPORT

MONTH OF: May 2014

Whitwell Water Plant County - Marion PWS ID: TN0000749

Date	Raw Water Treated - 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water °C	TURBIDITY								PHYSICAL AND CHEMICAL CHARACTERISTICS												CHEMICALS USED POUNDS PER 24 HOURS								CHEMICALS USED CALCULATED DOSAGE mg/L				
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded								Chlorine Residual mg/L	Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L		Coagulant- Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control			
				AM	Must Be Measured Every 4 Hours and Recorded				PM	Top of Filter	Lowest Plant Eff		Total Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff														Dist		
					12-4	4-8	8-12	12-4																											4-8	8-12
1	806	800	21	64	0.05	0.04	0.04	0.04	0.04	0.04	0.3	1.5	58	54	7.2	7.0	60	56	0.00	0.77	0.74	270	127	127	40	4.7	0.6	1.3	1.31							
2	827	793	17	45	0.03	0.04	0.05	0.04	0.04	0.04	0.4	2.0	47	37	6.0	6.5	76	70	0.00	0.58	0.63	250	109	109	36	4.0	0.6	1.3	1.28							
3	849	827	16	39	0.03	0.06	0.06	0.03	0.03	0.03	0.6	2.1	62	51	6.8	6.9	68	64	0.02	1.01	ns	250	127	127	25	10	9.3	4.5	0.6	1.4	1.31					
4	865	848	16	26	0.03	0.04	0.03	0.03	0.03	0.03	0.5	1.9	66	58	7.2	7.0	82	70	0.06	0.73	ns	261	136	136	26	10	9.6	4.7	0.7	1.4	1.33					
5	897	835	18	17	0.03	0.03	0.04	0.03	0.04	0.04	0.8	2.2	74	68	7.3	7.1	86	86	0.06	0.70	0.74	216	127	127	15	10	9.3	4.2	0.4	1.3	1.24					
6	842	822	18	14	0.03	0.03	0.03	0.03	0.03	0.03	0.6	2.2	78	70	7.2	7.1	92	86	0.04	0.92	0.73	216	109	109	24	10	9.0	3.9	0.6	1.4	1.28					
7	831	793	20	11	0.04	0.03	0.04	0.03	0.03	0.03	0.7	2.1	84	72	7.5	7.3	98	94	0.08	1.17	1.24	225	109	109	25	9	8.8	3.9	0.7	1.3	1.27					
8	897	823	22	10	0.03	0.04	0.04	0.03	0.04	0.03	0.5	1.5	86	80	7.5	7.4	102	100	0.00	0.73	0.65	216	109	109	25	10	9.3	29	3.6	0.6	1.3	1.24				
9	836	808	21	9	0.03	0.04	0.03	0.03	0.03	0.03	0.5	1.7	87	82	7.1	7.2	104	102	0.00	0.68	0.65	216	91	91	24	10	9.0	31	3.3	0.6	1.4	1.29				
10	853	806	22	8	0.03	0.03	0.03	0.03	0.03	0.03	0.5	2.0	89	82	7.8	7.7	96	98	0.00	0.80	ns	216	91	109	25	10	9.3	30	3.5	0.6	1.4	1.31				
11	888	859	20	8	0.03	0.04	0.04	0.03	0.04	0.03	0.7	2.1	93	85	8.0	7.9	100	96	0.00	0.62	ns	216	100	136	24	10	9.6	29	4.0	0.6	1.4	1.30				
12	892	854	22	7	0.03	0.03	0.03	0.03	0.04	0.03	0.6	1.9	97	87	7.9	7.9	100	98	0.00	0.86	0.98	207	109	127	27	8	9.6	28	4.0	0.7	1.1	1.29				
13	959	928	22	7	0.03	0.04	0.03	0.04	0.04	0.03	0.5	1.9	98	89	8.0	7.9	102	96	0.00	0.77	0.61	162	145	145	27	9	10.4	20	4.5	0.6	1.1	1.30				
14	898	823	22	7	0.03	0.03	0.03	0.03	0.03	0.04	0.5	1.8	99	91	7.9	7.9	108	94	0.01	0.78	0.91	162	100	118	24	9	9.9	22	3.6	0.6	1.2	1.32				
15	856	804	22	7	0.03	0.03	0.04	0.03	0.03	0.03	0.5	1.6	102	93	7.9	7.8	114	100	0.00	0.82	0.75	198	82	109	22	8	9.3	28	3.3	0.6	1.1	1.30				
16	788	768	20	10	0.03	0.03	0.03	0.03	0.03	0.03	0.5	1.5	99	93	8.2	8.1	106	106	0.04	0.92	0.98	181	91	91	22	8	8.5	28	3.5	0.6	1.2	1.29				
17	805	786	17	9	0.03	0.03	0.03	0.03	0.03	0.03	0.5	1.5	99	93	8.2	8.1	106	106	0.00	0.73	ns	162	91	91	23	8	9.0	24	3.4	0.6	1.2	1.34				
18	801	787	16	9	0.03	0.03	0.03	0.03	0.03	0.03	0.6	1.5	99	91	8.1	8.0	102	102	0.00	0.71	ns	162	100	100	25	8	9.3	24	3.7	0.7	1.2	1.39				
19	862	837	17	8	0.04	0.04	0.04	0.03	0.03	0.04	0.5	1.6	101	96	8.0	8.0	108	106	0.01	0.77	0.73	207	91	100	25	8	9.6	29	3.3	0.6	1.1	1.34				
20	878	858	19	8	0.03	0.04	0.03	0.03	0.03	0.03	0.5	1.6	103	94	8.0	8.0	110	110	0.00	0.68	0.55	181	73	91	25	8	9.6	25	2.8	0.6	1.1	1.31				
21	876	832	21	6	0.04	0.04	0.04	0.04	0.04	0.03	0.5	1.4	102	99	8.1	8.0	112	114	0.01	0.60	0.69	198	91	91	26	8	9.3	27	3.1	0.6	1.1	1.27				
22	939	903	22	6	0.03	0.04	0.03	0.03	0.03	0.03	0.4	1.4	102	100	8.0	7.9	110	110	0.00	0.61	0.68	189	91	91	24	9	10.2	24	2.9	0.6	1.1	1.30				
23	911	870	22	6	0.03	0.04	0.05	0.03	0.04	0.04	0.4	1.4	101	100	8.1	7.9	116	120	0.00	0.76	0.60	216	109	91	30	8	9.6	28	3.3	0.7	1.1	1.26				
24	966	926	22	7	0.04	0.04	0.03	0.04	0.03	0.04	0.5	1.5	105	100	8.2	7.9	118	112	0.00	0.87	ns	216	73	73	26	9	10.6	27	2.3	0.6	1.1	1.32				
25	914	879	21	6	0.03	0.04	0.03	0.03	0.03	0.03	0.8	1.5	106	102	8.2	8.0	114	118	0.00	0.63	ns	234	91	91	28	9	9.9	31	3.0	0.7	1.2	1.30				
26	1009	927	22	7	0.03	0.04	0.03	0.03	0.04	0.04	0.5	1.4	104	101	8.2	8.1	110	112	0.00	0.83	0.90	216	91	91	27	9	10.4	26	2.7	0.6	1.1	1.24				
27	878	861	23	7	0.03	0.03	0.04	0.04	0.04	0.03	0.4	1.3	105	103	8.1	8.1	112	112	0.01	0.74	0.83	181	91	73	24	8	9.6	25	2.8	0.6	1.1	1.31				
28	905	840	23	9	0.03	0.04	0.04	0.04	0.04	0.04	0.2	1.1	103	101	8.0	8.0	114	100	0.00	0.73	0.88	189	91	91	24	8	9.6	25	3.0	0.6	1.1	1.27				
29	891	838	23	8	0.04	0.04	0.05	0.05	0.04	0.04	0.2	1.0	101	96	8.0	7.9	118	112	0.00	0.87	0.88	207	118	118	26	8	9.6	28	4.0	0.6	1.1	1.29				
30	914	859	24	26	0.04	0.04	0.03	0.04	0.03	0.03	0.5	1.4	108	103	8.1	7.9	116	116	0.00	0.91	0.85	216	127	91	25	8	9.6	28	3.6	0.6	1.0	1.26				
31	888	835	25	20	0.03	0.04	0.04	0.04	0.04	0.03	0.4	1.4	107	96	8.2	8.1	120	112	0.00	0.94	ns	250	109	109	25	8	9.6	34	3.7	0.6	1.1	1.30				
Total	27221	26029																				6486	3199	3271		766	273	294.0								
Ave	878	840	21	14	0.03	0.04	0.04	0.03	0.03	0.03	0.5	1.6	92	86	7.8	7.7	103	99	0.01	0.78	0.78	209	103	106	29	3.6	0.6	1.2	1.30							
Max	1009	928	25	64	0.05	0.06	0.06	0.05	0.04	0.04	0.8	2.2	108	103	8.2	8.1	120	120	0.08	1.17	1.24	270	145	145	40	4.7	0.7	1.4	1.39							
Min	788	768	16	6	0.03	0.03	0.03	0.03	0.03	0.03	0.2	1.0	47	37	6.0	6.5	60	56	0.00	0.58	0.55	162	73	73	20	2.3	0.4	1.0	1.24							

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature

Operator Number

Date

County - Marion PWS ID: TN0000749 May 2014 2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	# Filter x Hours= Run	Avg Length Filter Run - Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system		Static Pressure psi
										mg/L	ng/L	
1	806	a) Types of Filters - Gravity (x) Pressure	2	32	32	Y	Y	Y	23		1.6	Darrell Dempsey: 128 Pickett Dr.
2	827	b) Number of Filters - 2	2	32	32	Y	Y	Y	21		1.4	Jake Cabell: 13179 Griffith Hwy
3	849	c) Filter area - Sq.Ft (each) - 152	2	34	34	Y	Y	Y	24		ns	no sample required
4	865	d) Filter area - Sq.Ft (each) - 152	2	35	35	Y	Y	Y	30		ns	no sample required
5	897	e) Total area - Sq.Ft (each) - 304	2	34	34	Y	Y	Y	57		1.0	Whitwell First Baptist Church: 1970 Main St.
6	842	f) Filter Rate gpm/ft2 - 3.0	2	33	33	Y	Y	Y	23		1.2	Edna Yoder: 264 Talley Rd.
7	831		2	32	32	Y	Y	Y	26		2.0	Darrell Brown: 322 Griffith Rd.
8	897		2	34	34	Y	Y	Y	29		1.6	Crossroads Baptist Church: 715 Hwy 27
9	836		2	33	33	Y	Y	Y	29		1.7	Jim Roberson: 190 Candace Dr.
10	853		2	34	34	Y	Y	Y	30		ns	no sample required
11	888		2	35	35	Y	Y	Y	0		ns	no sample required
12	892		2	35	35	Y	Y	Y	24		1.8	Shirley Magourk: 200 Bob Moseley Rd.
13	959		2	38	38	Y	Y	Y	24		1.8	Darrell Grider: 570 W. Michigan Ave.
14	898		2	36	36	Y	Y	Y	23		1.4	Cartwright Grocery: 1173 Hwy. 28
15	856		2	34	34	Y	Y	Y	27		1.9	Kevin Higdon: 1260 Hwy 283
16	788		2	31	31	Y	Y	Y	29		1.3	Greg Ruth: 217 Mtn. Crest Dr.
17	805		2	33	33	Y	Y	Y	28		ns	no sample required
18	801		2	34	34	Y	Y	Y	23		ns	no sample required
19	862		2	35	35	Y	Y	Y	23		1.5	Larry Higdon: 200 Pierson Lane
20	878		2	35	35	Y	Y	Y	0		1.6	1938 Main Street
21	876		2	34	34	Y	Y	Y	49		1.1	Whitwell City Hall: 13671 Hwy 28
22	939		2	37	37	Y	Y	Y	0		1.2	Dempsey's Service Center: 14194 Hwy 28
23	911		2	35	35	Y	Y	Y	32		1.4	200 Hackworth Rd.
24	966		2	38	38	Y	Y	Y	0		ns	no sample required
25	914		2	36	36	Y	Y	Y	28		ns	no sample required
26	1009		2	38	38	Y	Y	Y	25		1.2	Darrell Givens: 507 Omega Drive
27	878		2	35	35	Y	Y	Y	0		1.1	James Willyat: 127 Atterton Lane
28	905		2	35	35	Y	Y	Y	25		1.4	Kyle Holloway: 346 Angela Drive
29	891		2	35	35	Y	Y	Y	28		1.1	Whitwell High School: 200 Tiger Trail
30	914		2	35	35	Y	Y	Y	28		1.0	Jim Roberson: 190 Candace Dr.
31	888		2	35	35	Y	Y	Y	28		ns	no sample required
Total	27221		62	1072					736			0
Ave	878		2	35	35				24	#DIV/0!	1.4	#DIV/0!
Max	1009		2	38	38				57	0.0	2.0	0
Min	788		2	31	31				0	0.0	1.0	0

Remarks:



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

COMPREHENSIVE MONTHLY OPERATIONS REPORT

MONTH OF: June 2014

Whitwell Water Plant County - Marion PWS ID: TN0000749

Date	Raw Water Treated - 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water Temperature °C	TURBIDITY										PHYSICAL AND CHEMICAL CHARACTERISTICS										CHEMICALS USED POUNDS PER 24 HOURS								CHEMICALS USED CALCULATED DOSAGE mg/L						
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded										Chlorine Residual mg/L	Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L		Coagulant-Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Disinfection Aid	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control				
				AM	4-8				8-12		12-4		PM		Top of Filter	Lowest Plant Eff	Total	Raw	Eff	Raw	Eff	Raw													Eff	Raw	Eff	Dist
					Raw	4-8	8-12	12-4	4-8	8-12																												
1	909	853	22	9	0.03	0.03	0.04	0.03	0.03	0.04	0.4	1.5	97	100	8.1	8.1	108	120	0.00	0.73	ns	225	118	100	24	9	9.8	30	3.6	0.6	1.2	1.29						
2	870	848	22	11	0.04	0.04	0.04	0.04	0.03	0.04	0.4	1.2	102	90	8.0	8.0	110	114	0.01	0.74	0.71	198	118	100	24	8	9.3	27	3.8	0.6	1.1	1.28						
3	884	842	23	7	0.03	0.04	0.04	0.03	0.03	0.03	0.4	1.5	106	102	8.0	7.9	118	118	0.00	0.60	0.87	216	109	109	25	8	9.3	29	3.7	0.6	1.1	1.26						
4	949	876	23	7	0.03	0.03	0.03	0.03	0.04	0.03	0.4	1.5	105	99	8.1	8.0	120	118	0.00	0.79	0.84	234	136	118	26	9	9.6	30	4.0	0.6	1.1	1.21						
5	774	758	24	6	0.03	0.04	0.04	0.03	0.04	0.04	0.5	1.7	109	102	8.0	7.9	124	122	0.00	0.77	0.79	198	109	91	22	8	8.8	31	3.9	0.6	1.2	1.36						
6	823	766	24	6	0.04	0.03	0.03	0.03	0.04	0.03	0.6	1.6	109	100	8.0	8.0	126	122	0.00	0.73	0.93	198	109	91	23	8	8.8	29	3.6	0.6	1.2	1.28						
7	828	800	23	6	0.03	0.03	0.03	0.03	0.03	0.03	0.5	1.7	110	104	8.2	8.1	124	124	0.04	0.85	ns	198	109	91	24	8	9.1	29	3.6	0.6	1.2	1.32						
8	796	757	24	6	0.03	0.04	0.03	0.03	0.04	0.03	0.6	1.6	110	104	8.2	8.1	124	122	0.01	0.54	ns	181	109	91	22	8	8.8	27	3.8	0.6	1.2	1.33						
9	805	767	23	6	0.03	0.04	0.04	0.04	0.04	0.03	0.4	1.1	108	103	8.1	8.0	122	118	0.01	0.63	0.72	162	91	91	21	8	8.5	24	3.4	0.6	1.2	1.27						
10	769	711	22	8	0.03	0.03	0.03	0.03	0.03	0.04	0.5	1.4	111	104	8.0	8.0	124	120	0.00	0.69	0.65	181	109	91	21	7	8.2	28	3.9	0.6	1.1	1.28						
11	749	715	23	8	0.04	0.04	0.03	0.03	0.04	0.05	0.4	1.4	110	106	8.1	8.0	124	124	0.00	0.68	0.84	198	118	100	23	7	8.2	32	4.4	0.7	1.1	1.31						
12	801	772	23	7	0.04	0.04	0.04	0.04	0.04	0.04	0.5	1.4	111	106	8.0	8.0	132	128	0.00	0.60	0.78	171	100	91	21	8	9.1	26	3.6	0.6	1.2	1.36						
13	776	733	24	8	0.03	0.04	0.04	0.03	0.04	0.03	0.7	1.4	114	106	8.0	7.9	128	128	0.00	0.87	0.83	216	109	109	22	7	8.2	33	4.2	0.6	1.1	1.27						
14	859	800	22	9	0.03	0.03	0.04	0.03	0.03	0.03	0.5	1.3	109	104	8.2	8.1	126	128	0.00	0.93	ns	198	109	109	24	8	9.1	28	3.8	0.6	1.1	1.27						
15	820	779	23	7	0.03	0.04	0.04	0.03	0.04	0.04	0.5	1.6	111	104	8.2	8.1	126	130	0.00	0.80	ns	198	109	100	23	8	9.1	29	3.8	0.6	1.2	1.33						
16	830	813	24	7	0.04	0.04	0.04	0.03	0.03	0.03	0.5	1.5	110	105	8.1	8.1	128	128	0.00	0.68	0.51	181	118	109	24	8	9.1	26	4.1	0.6	1.2	1.31						
17	868	822	24	12	0.03	0.04	0.04	0.03	0.04	0.04	0.6	1.5	111	107	8.1	8.1	130	134	0.00	0.61	0.59	216	109	91	25	8	9.1	30	3.5	0.6	1.1	1.26						
18	854	795	24	7	0.03	0.04	0.03	0.04	0.04	0.04	0.5	1.5	109	104	8.2	8.1	130	128	0.00	0.71	0.63	216	118	118	25	8	8.8	30	4.1	0.6	1.1	1.24						
19	814	778	24	12	0.03	0.04	0.04	0.04	0.04	0.04	0.5	1.5	117	108	8.1	8.1	132	132	0.00	0.80	0.92	207	127	100	22	8	8.8	30	4.2	0.6	1.2	1.30						
20	846	803	24	26	0.04	0.04	0.03	0.03	0.03	0.03	0.4	1.4	114	105	8.0	8.0	130	126	0.00	0.72	0.76	216	127	109	24	8	9.1	31	4.2	0.6	1.1	1.29						
21	836	800	24	10	0.03	0.04	0.03	0.03	0.03	0.03	0.4	1.6	105	106	8.2	8.1	120	122	0.02	0.71	ns	207	109	109	25	8	9.1	30	3.9	0.7	1.1	1.31						
22	825	772	24	9	0.03	0.04	0.04	0.04	0.04	0.03	0.4	1.4	110	100	8.2	8.0	122	126	0.00	0.77	ns	198	136	109	22	8	9.1	29	4.5	0.6	1.2	1.32						
23	850	791	24	8	0.03	0.04	0.03	0.04	0.03	0.04	0.4	1.5	117	109	8.1	8.1	128	124	0.00	0.67	0.51	198	136	109	24	8	9.1	28	4.3	0.6	1.1	1.28						
24	828	770	24	14	0.04	0.03	0.03	0.03	0.04	0.04	0.4	1.3	106	100	8.0	8.1	130	128	0.00	0.60	0.54	162	109	109	22	8	8.8	23	3.9	0.6	1.2	1.27						
25	815	761	25	12	0.03	0.04	0.04	0.04	0.04	0.04	0.3	1.3	99	95	8.2	8.1	124	122	0.00	0.72	0.76	207	118	127	24	8	8.8	30	4.5	0.6	1.2	1.29						
26	800	774	25	8	0.04	0.04	0.04	0.04	0.04	0.04	0.4	1.5	115	105	8.1	8.0	126	122	0.00	0.85	0.73	207	136	109	22	8	8.5	31	4.6	0.6	1.2	1.27						
27	820	762	26	8	0.03	0.04	0.04	0.04	0.04	0.03	0.6	1.6	110	111	8.1	8.0	130	130	0.00	0.80	0.83	216	109	109	23	8	8.8	32	4.0	0.6	1.2	1.29						
28	815	781	25	7	0.03	0.04	0.04	0.04	0.04	0.04	0.6	1.6	116	111	8.2	8.2	130	130	0.00	0.75	ns	216	109	109	22	8	8.8	32	4.0	0.6	1.2	1.29						
29	828	786	25	8	0.04	0.04	0.03	0.03	0.03	0.03	0.4	1.5	113	108	8.2	8.1	126	124	0.00	0.63	ns	198	109	109	16	8	8.8	29	3.9	0.4	1.2	1.27						
30	852	790	24	80	0.04	0.04	0.04	0.04	0.05	0.05	0.4	1.5	111	103	8.1	8.0	128	126	0.00	0.78	0.63	270	127	136	24	8	9.1	38	4.6	0.6	1.1	1.28						
31																																						
Total	24893	23575																																				
Ave	830	786	24	11	0.03	0.04	0.04	0.03	0.04	0.04	0.5	1.5	110	104	8.1	8.0	125	125	0.00	0.73	0.73	203	115	105	23	8	8.9	29	4.0	0.6	1.2	1.29						
Max	949	876	26	80	0.04	0.04	0.04	0.04	0.05	0.05	0.7	1.7	117	111	8.2	8.2	132	134	0.04	0.93	0.93	270	136	136	26	9	9.8	38	4.6	0.7	1.2	1.36						
Min	749	711	22	6	0.03	0.03	0.03	0.03	0.03	0.03	0.3	1.1	97	90	8.0	7.9	108	114	0.00	0.54	0.51	162	91	91	16	7	8.2	23	3.4	0.4	1.1	1.21						

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature Operator Number Date

County - Marion PWS ID: TN0000749 June 2014

2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	909	a) Types of Filters - Gravity (x) Pressure	2	36	36	Y	Y	Y	26	ns		no sample required
2	870	b) Number of Filters - 2	2	34	34	Y	Y	Y	0	1.2		Whitwell First Baptist Church: 1970 Main St.
3	884	c) Filter area - Sq Ft (each) - 152	2	34	34	Y	Y	Y	0	1.4		Wayne Jordan: 680 Briar Ridge Rd.
4	949	d) Filter area - Sq Ft (each) - 152	2	35	35	Y	Y	Y	28	1.2		Zack Layne: 878 N. Maple St.
5	774	e) Total area - Sq Ft (each) - 304	2	32	32	Y	Y	Y	0	1.2		Whitwell High School: 200 Tiger Trail
6	823	f) Filter Rate gpm/ft2 - 3.0	2	32	32	Y	Y	Y	28	1.6		Nathan Jones: 2029 Kerner Cove Rd.
7	828		2	33	33	Y	Y	Y	0	ns		no sample required
8	796		2	32	32	Y	Y	Y	28	ns		no sample required
9	805		2	31	31	Y	Y	Y	0	1.3		Greg Ruth: 217 Mtn. Crest Dr.
10	769		2	30	30	Y	Y	Y	26	1.0		The Shop: 2486 Hwy 283
11	749		2	30	30	Y	Y	Y	26	1.0		Charles Atterton, Jr. : 180 Industrial Pike, Lot 4
12	801		2	33	33	Y	Y	Y	0	1.7		Valley View Assisted Living: 13960 Hwy 28
13	776		2	30	30	Y	Y	Y	0	1.4		Kevin Higdon: 1260 Hwy 283
14	859		2	33	33	Y	Y	Y	27	ns		no sample required
15	820		2	33	33	Y	Y	Y	28	ns		no sample required
16	830		2	33	33	Y	Y	Y	0	1.1		Hubbard Diesel: 2673 Hwy 283
17	868		2	33	33	Y	Y	Y	0	1.0		Whitwell Middle School: 1 Butterfly Lane
18	854		2	32	32	Y	Y	Y	45	1.0		Curly Lockhart: 3396 Old Dunlap Rd.
19	814		2	32	32	Y	Y	Y	0	1.0		Greg Ruth: 217 Mtn. Crest Dr.
20	846		2	33	33	Y	Y	Y	26	1.2		Smith's Hardware: 146 Hwy 283
21	836		2	33	33	Y	Y	Y	0	ns		no sample required
22	825		2	33	33	Y	Y	Y	27	ns		no sample required
23	850		2	33	33	Y	Y	Y	0	1.1		Dempsey's Service Center: 14194 Hwy 28
24	828		2	32	32	Y	Y	Y	24	1.0		Whitwell City Hall: 13671 Hwy 28
25	815		2	32	32	Y	Y	Y	26	1.2		Sulphur Springs Church: 326 Sulphur Springs Rd
26	800		2	31	31	Y	Y	Y	0	1.0		Steve Hudson: 439 Hwy 28
27	820		2	32	32	Y	Y	Y	29	1.2		Darrell Dempsey: 128 Pickett Drive
28	815		2	32	32	Y	Y	Y	25	ns		no sample required
29	828		2	32	32	Y	Y	Y	0	ns		no sample required
30	852		2	33	33	Y	Y	Y	26	1.2		Donald DeFur: 282 Kilgore Rd.
31												
Total	24893		60	974					445		0	Remarks:
Ave	830		2	32	32				14.8333	#DIV/0!	1.2	#DIV/0!
Max	949		2	36	36				45	0.0	1.7	0
Min	749		2	30	30				0	0.0	1.0	0

County - Marion

PWS ID: TN0000749

July

2014

2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	836	a) Types of Filters - Gravity (x) Pressure	2	34	34	Y	Y	Y	27	1.4		Donald Roberson: 461 North Pine St.
2	807	b) Number of Filters - 2	2	32	32	Y	Y	Y	29	1.2		Orena Humphreys Public Library: 1130 Main St.
3	815	c) Filter area - Sq Ft (each) - 152	2	31	31	Y	Y	Y	34	1.6		Jaya Cookston: 1275 Ketner Mill Rd
4	850	d) Filter area - Sq Ft (each) - 152	2	33	33	Y	Y	Y	0	1.0		Junior Atterton: 180 Industrial Pike, Lot 4
5	855	e) Total area - Sq Ft (each) - 304	2	32	32	Y	Y	Y	32	ns		no sample required
6	864	f) Filter Rate gpm/ft2 - 3.0	2	33	33	Y	Y	Y	32	ns		no sample required
7	904		2	35	35	Y	Y	Y	0	1.5		Whitwell High School: 200 Tiger Trail
8	856		2	33	33	Y	Y	Y	0	1.4		Allison Ledding: 1938 Main St
9	826		2	32	32	Y	Y	Y	26	1.0		Crossroads Baptist Church: 715 Hwy 27
10	811		2	32	32	Y	Y	Y	31	1.3		Kevin Higdon: 1260 Hwy 283
11	852		2	34	34	Y	Y	Y	0	1.1		Eddie Mooneyham: 140 Rebecca Drive
12	888		2	34	34	Y	Y	Y	0	ns		no sample required
13	879		2	34	34	Y	Y	Y	0	ns		no sample required
14	851		2	33	33	Y	Y	Y	23	1.2		Ronnie Holtcamp: 1229 Main St.
15	861		2	35	35	Y	Y	Y	23	1.2		Johnny Lee Boyd: 65 Pickett Cross Rd.
16	900		2	36	36	Y	Y	Y	0	1.0		Kyle Holloway: 346 Angela Drive
17	858		2	33	33	Y	Y	Y	25	1.0		Hubbard Diesel: 2673 Hwy 283
18	877		2	35	35	Y	Y	Y	29	1.0		William Wyatt: 10670 Hwy 28
19	859		2	34	34	Y	Y	Y	0	ns		no sample required
20	867		2	33	33	Y	Y	Y	0	ns		no sample required
21	875		2	34	34	Y	Y	Y	27	1.0		Jim Robertson: 190 Candace Drive
22	863		2	34	34	Y	Y	Y	28	1.6		Whitwell First Baptist Church: 1970 Main St.
23	844		2	33	33	Y	Y	Y	0	1.0		Reed Funeral Home: 11675 Hwy 28
24	853		2	16	16	Y	Y	Y	31	1.0		Steve Kilgore: 219 Osceola Dr.
25	864		2	35	35	Y	Y	Y	0	1.8		Valley View Assisted Living: 101 North Maple St.
26	879		2	34	34	Y	Y	Y	0	ns		no sample required
27	877		2	35	35	Y	Y	Y	26	ns		no sample required
28	874		2	33	33	Y	Y	Y	27	1.1		Dempsey's Service Center
29	821		2	33	33	Y	Y	Y	0	1.2		Whitwell Auto Parts
30	894		2	34	34	Y	Y	Y	26	1.1		Sack Layne: 878 Maple St.
31	859		2	32	32	Y	Y	Y	30	1.4		Roy Hubbard: 481 Osceola Drive
Total	26619		62	1021					506		0	Remarks:
Ave	859		2	33	33				16.3226	#DIV/0!	1.2	#DIV/0!
Max	904		2	36	36				34	0.0	1.8	0
Min	807		2	16	16				0	0.0	1.0	0



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

COMPREHENSIVE MONTHLY OPERATIONS REPORT

MONTH OF: August 2014

Whitwell Water Plant County - Marion PWS ID: TN0000749

Date	Raw Water Treated - 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water Temperature °C	TURBIDITY						PHYSICAL AND CHEMICAL CHARACTERISTICS										CHEMICALS USED POUNDS PER 24 HOURS						CHEMICALS USED CALCULATED DOSAGE mg/L							
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded						PM	Chlorine Residual mg/L	Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L		Coagulant- Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	
				Raw	12-4	AM	4-8	8-12	12-4																								4-8
1	855	808	25	6	0.04	0.04	0.03	0.03	0.03	0.03	0.6	1.6	116	111	8.0	8.0	134	134	0.00	0.77	0.84	162	127	109	23	8	9.3	23	4.1	0.6	1.1	1.30	
2	858	779	23	8	0.03	0.03	0.03	0.04	0.03	0.03	0.6	1.5	114	109	8.2	8.1	134	130	0.00	0.77	ns	181	127	109	23	7	8.8	25	4.1	0.6	1.0	1.23	
3	874	841	23	10	0.03	0.04	0.04	0.03	0.03	0.04	0.6	1.5	109	107	8.2	8.1	124	126	0.00	0.78	ns	171	109	100	23	8	9.6	23	3.6	0.6	1.1	1.32	
4	897	834	25	7	0.04	0.04	0.03	0.03	0.04	0.04	0.2	1.4	110	107	8.2	8.2	130	126	0.00	0.70	0.73	198	163	118	25	7	9.1	26	4.7	0.6	0.9	1.22	
5	926	875	24	8	0.04	0.04	0.04	0.04	0.04	0.04	0.4	1.5	116	110	8.2	8.1	136	132	0.00	0.71	0.66	198	127	109	25	8	9.6	26	3.8	0.6	1.0	1.24	
6	880	833	25	6	0.04	0.04	0.03	0.03	0.03	0.03	0.4	1.3	118	115	8.2	8.1	130	128	0.00	0.71	0.64	216	136	118	25	8	9.3	29	4.3	0.6	1.1	1.27	
7	914	854	25	5	0.04	0.04	0.04	0.03	0.03	0.03	0.2	1.5	117	115	8.2	8.2	132	132	0.00	0.69	0.80	171	127	100	23	8	9.6	22	3.7	0.5	1.0	1.26	
8	877	818	25	6	0.03	0.03	0.03	0.03	0.03	0.03	0.4	1.4	120	115	7.9	7.6	130	132	0.00	0.73	0.90	181	109	91	25	7	8.8	25	3.4	0.6	1.0	1.20	
9	890	848	24	6	0.03	0.03	0.03	0.03	0.03	0.03	0.6	1.6	118	112	8.2	8.2	132	124	0.00	0.72	ns	171	118	109	25	8	9.3	23	3.8	0.6	1.1	1.25	
10	903	834	24	29	0.03	0.04	0.03	0.03	0.03	0.04	0.5	1.6	118	112	8.2	8.2	132	124	0.01	0.71	ns	181	136	109	23	8	9.3	24	4.1	0.6	1.1	1.23	
11	890	841	23	22	0.03	0.04	0.03	0.03	0.04	0.05	0.2	1.3	68	90	7.7	7.4	116	122	0.00	0.73	0.94	207	154	127	25	8	9.6	28	4.7	0.6	1.1	1.29	
12	946	859	23	49	0.04	0.05	0.04	0.04	0.09	0.05	0.3	1.3	74	88	7.9	7.6	106	104	0.03	0.69	0.69	216	163	127	24	8	9.6	27	4.6	0.6	1.0	1.22	
13	917	865	23	45	0.05	0.03	0.04	0.04	0.04	0.04	0.4	1.4	59	53	7.1	7.2	84	68	0.01	0.72	0.85	216	154	127	23	11	9.6	28	4.6	0.5	1.4	1.26	
14	900	834	24	17	0.03	0.04	0.03	0.03	0.03	0.04	0.2	1.3	62	55	7.1	7.0	82	80	0.00	0.83	0.89	225	172	145	25	10	9.3	30	5.3	0.6	1.3	1.24	
15	938	896	23	12	0.04	0.03	0.03	0.03	0.03	0.03	0.5	1.7	68	60	7.6	7.3	88	84	0.00	0.76	0.88	216	163	145	25	12	9.9	28	4.9	0.6	1.5	1.27	
16	904	853	23	9	0.03	0.03	0.03	0.03	0.03	0.03	0.5	1.9	84	75	8.1	7.9	90	94	0.00	0.75	ns	198	145	145	24	10	9.3	26	4.8	0.6	1.3	1.23	
17	940	865	23	10	0.03	0.03	0.03	0.03	0.03	0.03	0.6	1.8	95	86	8.1	8.0	92	108	0.00	0.71	ns	189	154	127	25	11	9.6	24	4.5	0.6	1.4	1.22	
18	878	835	23	30	0.03	0.04	0.04	0.04	0.03	0.04	0.2	1.4	89	81	7.7	7.4	110	104	0.00	0.75	0.80	216	145	136	25	9	9.3	29	4.8	0.6	1.2	1.27	
19	910	850	22	38	0.04	0.05	0.05	0.05	0.05	0.05	0.2	1.4	92	93	7.9	8.0	96	104	0.01	0.87	0.82	270	272	163	23	11	9.6	36	7.2	0.6	1.4	1.26	
20	899	811	22	13	0.03	0.04	0.04	0.04	0.03	0.03	0.6	1.7	96	92	7.7	7.8	96	102	0.00	0.89	0.91	198	227	136	24	13	9.1	26	6.1	0.6	1.7	1.21	
21	900	859	23	10	0.03	0.03	0.03	0.03	0.03	0.03	0.3	1.4	104	95	7.9	8.1	114	106	0.00	0.75	0.66	181	181	127	25	9	9.3	24	5.1	0.6	1.2	1.24	
22	907	859	24	9	0.03	0.04	0.03	0.03	0.03	0.03	0.4	1.6	112	105	8.0	7.9	116	114	0.00	0.70	0.68	162	145	109	24	9	9.3	21	4.2	0.6	1.2	1.23	
23	923	874	24	9	0.03	0.03	0.03	0.03	0.03	0.03	0.7	1.4	96	92	8.1	7.9	114	102	0.00	0.84	ns	162	163	82	24	9	9.6	21	4.0	0.6	1.2	1.25	
24	928	855	24	9	0.03	0.03	0.03	0.04	0.04	0.04	0.7	1.6	101	96	8.2	8.0	112	98	0.00	0.84	ns	181	136	100	25	9	9.3	23	3.8	0.6	1.2	1.20	
25	957	925	24	42	0.03	0.05	0.04	0.04	0.03	0.04	0.4	1.3	118	111	7.7	7.6	132	126	0.00	0.87	0.73	216	154	100	25	9	10.2	27	4.0	0.6	1.1	1.28	
26	935	860	25	45	0.03	0.04	0.08	0.08	0.06	0.06	0.2	1.0	79	71	7.6	7.4	88	84	0.00	0.90	0.88	306	181	127	25	12	9.3	39	4.9	0.6	1.5	1.19	
27	908	850	24	24	0.04	0.04	0.04	0.06	0.04	0.04	0.2	1.2	73	61	7.5	7.3	90	92	0.00	0.82	0.84	261	236	172	26	21	9.3	34	6.7	0.6	2.8	1.23	
28	945	893	25	15	0.04	0.04	0.04	0.04	0.04	0.04	0.4	1.5	78	70	7.4	7.3	102	96	0.00	0.83	0.87	225	218	163	24	17	9.6	29	6.0	0.6	2.2	1.22	
29	940	881	25	13	0.03	0.04	0.03	0.03	0.03	0.03	0.5	1.6	93	84	7.7	7.5	106	100	0.00	0.74	0.80	250	236	163	27	17	9.6	32	6.4	0.6	2.2	1.22	
30	954	904	25	19	0.03	0.03	0.03	0.03	0.03	0.03	0.5	1.6	99	90	8.1	7.9	106	96	0.00	0.77	ns	234	181	145	25	13	10.2	29	5.1	0.6	1.6	1.28	
31	912	852	24	11	0.03	0.03	0.03	0.03	0.03	0.03	0.6	1.5	103	95	8.1	7.9	104	100	0.00	0.69	ns	207	163	136	23	12	9.3	27	4.9	0.6	1.6	1.22	
Total	28205	26445																				6366	5022	3874	756	317	292.6						
Ave	910	853	24	17	0.03	0.04	0.04	0.04	0.04	0.04	0.4	1.5	97	92	7.9	7.8	112	109	0.00	0.77	0.80	205	162	125	24	10	9.4	27	4.7	0.6	1.3	1.24	
Max	957	925	25	49	0.05	0.05	0.08	0.08	0.09	0.06	0.7	1.9	120	115	8.2	8.2	136	134	0.03	0.90	0.94	306	272	172	27	21	10.2	39	7.2	0.6	2.8	1.32	
Min	855	779	22	5	0.03	0.03	0.03	0.03	0.03	0.03	0.2	1.0	59	53	7.1	7.0	82	68	0.00	0.69	0.64	162	109	82	23	7	8.8	21	3.4	0.5	0.9	1.19	

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature Operator Number Date

County - Marion

PWS ID: TN0000749

August

2014

2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	855	a) Types of Filters - Gravity (x) Pressure	2	34	34	Y	Y	Y	0	1.0		Darrell Dempsey: 128 Pickett Drive
2	858	b) Number of Filters - 2	2	32	32	Y	Y	Y	26	ns		no sample required
3	874	c) Filter area - Sq Ft (each) - 152	2	35	35	Y	Y	Y	0	ns		no sample required
4	897	d) Filter area - Sq Ft (each) - 152	2	33	33	Y	Y	Y	24	1.0		Junior Atterton: 180 Industrial Pike, Lot 4
5	926	e) Total area - Sq Ft (each) - 304	2	35	35	Y	Y	Y	0	1.0		Teddy Caldwell: 200 Hackworth Rd.
6	880	f) Filter Rate gpm/ft2 - 3.0	2	34	34	Y	Y	Y	24	1.0		Kenny Atterton: 300 Old Mill Rd.
7	914		2	35	35	Y	Y	Y	0	1.2		Valley View Assisted Living: 101 N. Maple St.
8	877		2	32	32	Y	Y	Y	32	1.0		Valley Supply: 13026 Hwy 28
9	890		2	34	34	Y	Y	Y	0	ns		no sample required
10	903		2	34	34	Y	Y	Y	28	ns		no sample required
11	890		2	35	35	Y	Y	Y	24	1.0		Eddie Moonyham: 140 Rebecca Drive
12	946		2	35	35	Y	Y	Y	26	1.6		Brandon Tate: 8516 Griffith Hwy
13	917		2	35	35	Y	Y	Y	0	1.0		Grace Pickett: 180 Fuzz Rollins Rd.
14	900		2	34	34	Y	Y	Y	35	1.3		130 Lawrence Ross Rd.
15	938		2	36	36	Y	Y	Y	33	1.3		Ken Terry: 13220 Griffith Hwy
16	904		2	34	34	Y	Y	Y	0	ns		no sample required
17	940		2	35	35	Y	Y	Y	29	ns		no sample required
18	878		2	34	34	Y	Y	Y	29	1.5		Kevin Higdon: 1260 Hwy 283
19	910		2	35	35	Y	Y	Y	0	1.0		Whitwell High School: 200 Tiger Trail
20	899		2	33	33	Y	Y	Y	27	1.8		Red Hill Pump House: 2717 Old Dunlap Rd
21	900		2	34	34	Y	Y	Y	0	1.5		Lebron Atterton: 123 Park Circle
22	907		2	34	34	Y	Y	Y	30	1.6		Henry's Fitness Center: 14940 Hwy 28
23	923		2	35	35	Y	Y	Y	0	ns		no sample required
24	928		2	34	34	Y	Y	Y	25	ns		no sample required
25	957		2	37	37	Y	Y	Y	0	1.0		Jonathan Richards: 3157 Old Dunlap Rd.
26	935		2	34	34	Y	Y	Y	26	1.0		Chad Nunley: 315 Burgess Rd.
27	908		2	34	34	Y	Y	Y	28	1.0		Paul Atterton: 134 Kelly St.
28	945		2	35	35	Y	Y	Y	0	1.0		Kyle Holloway: 346 Angela Dr.
29	940		2	35	35	Y	Y	Y	0	1.3		Nicole Henry: 13046 Griffith Hwy
30	954		2	37	37	Y	Y	Y	33	ns		no sample required
31	912		2	34	34	Y	Y	Y	31	ns		no sample required
Total	28205		62	1067					510			Remarks:
Ave	910		2	34	34				164516	1.2		
Max	957		2	37	37				35	1.8		
Min	855		2	32	32				0	1.0		



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

COMPREHENSIVE MONTHLY OPERATIONS REPORT

MONTH OF: September 2014

Whitwell Water Plant County - Marion PWS ID: TN0000749

Date	Raw Water Treated - 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water °C	TURBIDITY										PHYSICAL AND CHEMICAL CHARACTERISTICS										CHEMICALS USED POUNDS PER 24 HOURS										CHEMICALS USED CALCULATED DOSAGE mg/L																																																																																																																																																																																																																																																																																
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded										Chlorine Residual mg/L	PM		Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L		Coagulant- Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion Control	Coagulant- Control	Aid	Disinfection	Fluoride	Mineral

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature Operator Number Date

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	998	a) Types of Filters - Gravity (x) Pressure	2	35	35	Y	Y	Y	0			Chris Ridge: 1226 Burnett Rd.
2	959	b) Number of Filters - 2	2	34	34	Y	Y	Y	26			Grace Pickett: 180 Fuzz Rollins Rd.
3	954	c) Filter area - Sq Ft (each) - 152	2	35	35	Y	Y	Y	27			Jim Roberson: 190 Candace Dr.
4	944	d) Filter area - Sq Ft (each) - 152	2	35	35	Y	Y	Y	0			Butch McGowan: 1942 Ketter Cove Rd.
5	937	e) Total area - Sq Ft (each) - 304	2	34	34	Y	Y	Y	0			Daus Building Supply: 1827 Press Pickett Rd.
6	963	f) Filter Rate gpm/ft2 - 3.0	2	34	34	Y	Y	Y	57			no sample required
7	945		2	35	35	Y	Y	Y	0			no sample required
8	995		2	36	36	Y	Y	Y	27			David Tate: 784 Frank Tate Rd.
9	973		2	35	35	Y	Y	Y	25			305 McCopin Circle
10	947		2	35	35	Y	Y	Y	0			Lebron Atterton: 123 Park Circle
11	929		2	34	34	Y	Y	Y	0			Wanda Cooper: 1391 Jones Crossing Rd.
12	926		2	33	33	Y	Y	Y	27			Kevin Higdon: 1260 Hwy 283
13	905		2	32	32	Y	Y	Y	26			no sample required
14	931		2	34	34	Y	Y	Y	0			no sample required
15	918		2	33	33	Y	Y	Y	25			Whitwell Park: 15201 Hwy 28
16	967		2	36	36	Y	Y	Y	28			James Sharp: 185 Angela Dr.
17	943		2	33	33	Y	Y	Y	0			Tammy Cagle: 237 Kilgore Rd.
18	937		2	33	33	Y	Y	Y	0			Jr. Atterton: 180 Industrial Pike, Lot 4
19	952		2	33	33	Y	Y	Y	29			Sulphur Springs Church: 329 Sulphur Springs Rd.
20	939		2	34	34	Y	Y	Y	29			no sample required
21	957		2	35	35	Y	Y	Y	0			no sample required
22	916		2	32	32	Y	Y	Y	27			Paul Atterton: 134 Kelly St.
23	968		2	35	35	Y	Y	Y	0			Eddie Mooneyham: 140 Rebecca Drive
24	983		2	34	34	Y	Y	Y	25			Cartwright Grocery: 1173 Hwy 28
25	893		2	32	32	Y	Y	Y	32			Smith Hardware: 146 Hwy 283
26	988		2	35	35	Y	Y	Y	0			Cindy Tripp: 23 W. Georgia Ave.
27	986		2	34	34	Y	Y	Y	0			no sample required
28	959		2	33	33	Y	Y	Y	58			no sample required
29	926		2	34	34	Y	Y	Y	0			Jason Campbell: 257 Overlook Dr.
30	940		2	33	33	Y	Y	Y	0			135 Kelly St.
31												Remarks:
Total	28478		60	1020								
Ave	949		2	34	34							1.3
Max	998		2	36	36							2.1
Min	893		2	32	32							0.7

MONTH OF: October 2014

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Date _____

County - Marion			PWS ID: TN0000749			October			2014			2014			
Date	Raw Water Treated - 1,000 Gallons			FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE					
				Number of filters used	Filter Hours = # Filter x Hours Run	Avg Length - Filter Run -	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter s working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system		Static Pressure psi	Location of sampling point in the distribution system Must vary within system	
											mg/L	mg/L			
1	938	a) Types of Filters - Gravity (x) Pressure	2	34	34	Y	Y	Y	Y	27	1.9		Roy Hubbard: 481 Osceola Dr.		
2	889	b) Number of Filters - 2	2	32	32	Y	Y	Y	Y	30	1.2		365 W. Iowa		
3	906	c) Filter area - Sq.Ft (each) - 152	2	33	33	Y	Y	Y	Y	30	1.9		John Reynolds: 104 Reynolds Ave.		
4	856	d) Filter area - Sq.Ft (each) - 152	2	34	34	Y	Y	Y	Y	26	ns		no sample required		
5	892	e) Total area - Sq.Ft (each) - 304	2	34	34	Y	Y	Y	Y	23	ns		no sample required		
6	871	f) Filter Rate gpm/ft2 - 3.0	2	33	33	Y	Y	Y	Y	24	2.1		Valley View Assisted Living: 101 North Maple St.		
7	824		2	31	31	Y	Y	Y	Y	0	1.2		Hubbard Diesel: 2673 Hwy 285		
8	912		2	34	34	Y	Y	Y	Y	49	2.6		230 Jewel Lane		
9	870		2	32	32	Y	Y	Y	Y	26	1.6		Red Hill Pump House: 2717 Old Dunlap Rd.		
10	904		2	33	33	Y	Y	Y	Y	27	1.0		Hwy 28 Market: 14960 Hwy 28		
11	851		2	32	32	Y	Y	Y	Y	27	ns		no sample required		
12	872		2	34	34	Y	Y	Y	Y	25	ns		no sample required		
13	821		2	32	32	Y	Y	Y	Y	25	1.0		Orena Humphrey's Library: 1130 Main St.		
14	822		2	31	31	Y	Y	Y	Y	25	1.0		Teddy Caldwell: 200 Hackworth Rd.		
15	834		2	32	32	Y	Y	Y	Y	27	1.4		Allison Ledding: 1938 Main St.		
16	796		2	31	31	Y	Y	Y	Y	30	1.2		Smith's Hardware: 146 Hwy 283		
17	839		2	32	32	Y	Y	Y	Y	0	1.0		Kyle Holloway: 346 Angelia Dr.		
18	827		2	31	31	Y	Y	Y	Y	54	ns		no sample required		
19	833		2	32	32	Y	Y	Y	Y	25	ns		no sample required		
20	827		2	33	33	Y	Y	Y	Y	24	2.0		Valley Supply: 13026 Hwy 28		
21	905		2	34	34	Y	Y	Y	Y	0	1.7		Paul Atterton: 134 Kelly St.		
22	836		2	32	32	Y	Y	Y	Y	25	1.3		Edna Yoder: 264 Talley Rd.		
23	801		2	31	31	Y	Y	Y	Y	26	1.9		Jack Green Body Shop: 264 Bruce Rollins Rd.		
24	843		2	33	33	Y	Y	Y	Y	27	2.0		Whitwell Medical Plaza: 13851 Hwy 28		
25	792		2	32	32	Y	Y	Y	Y	24	ns		no sample required		
26	869		2	33	33	Y	Y	Y	Y	25	ns		no sample required		
27	848		2	33	33	Y	Y	Y	Y	51	1.3		Cindy Tripp: 230 West Georgia Ave.		
28	881		2	32	32	Y	Y	Y	Y	27	1.2		218 Osceola Dr.		
29	792		2	32	32	Y	Y	Y	Y	28	1.6		Whitwell High School: 200 Tiger Trail		
30	831		2	30	30	Y	Y	Y	Y	28	1.5		Wiley Ross Pump House: 1937 W. Francis Springs Rd.		
31	797		2	32	32	Y	Y	Y	Y	29	1.2		Nick Tudors: 375 Sequatchie Drive		
Total	26379		62	1004						814			Remarks:		
Ave	851		2	32	32					26.2581	1.5				
Max	938		2	34	34					54	0.0	2.6			
Min	792		2	30	30					0	0.0	1.0			

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

COMPREHENSIVE MONTHLY OPERATIONS REPORT

MONTH OF: November 2014

Whitwell Water Plant County - Marion PWS ID: TN0000749

Date	Raw Water Treated - 1,000 Gallons	Finished Water Pumped to System 1,000 Gallons	Raw Water Temperature °C	TURBIDITY								PHYSICAL AND CHEMICAL CHARACTERISTICS												CHEMICALS USED POUNDS PER 24 HOURS								CHEMICALS USED CALCULATED DOSAGE mg/L																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
				Finished Water Turbidity Must Be Measured Every 4 Hours and Recorded								Chlorine Residual mg/L	Alkalinity mg/L		pH		Hardness mg/L		Fluoride mg/L				Coagulant- Aid	Disinfection Pre	Disinfection Post	pH Adjustment	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion	Coagulant- Control	Disinfection Aid	Fluoride	Mineral Oxidation/ Softening	Stabilization/ Corrosion																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				AM				PM					Total	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw													Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw	Eff	Raw

I certify that the data provided accurately represents the water quality, quantity, treatment, operational practices and other activities for the reporting period specified herein.

Certified Operator:

Signature

Operator Number

Date

PWS ID: TN0000749

November

2014

2014

Date	Raw Water Treated - 1,000 Gallons		FILTER OPERATION DATA						MICROBIOLOGICAL EXAMINATION AND SYSTEM PRESSURE			
			Number of filters used	Filter Hours= # Filter x Hours Run	Avg Length Hours	Rate of flow gauges working	Loss of Head gauges working	Turbidimeter working	Backwash water - 1,000 gals	Free chlorine at point of sampling & distribution system mg/L	Static Pressure psi	Location of sampling point in the distribution system Must vary within system
1	840	a) Types of Filters - Gravity (x) Pressure	2	32	32	Y	Y	Y	26	ns		no sample required
2	849	b) Number of Filters - 2	2	34	34	Y	Y	Y	23	ns		no sample required
3	795	c) Filter area - Sq Ft (each) - 152	2	31	31	Y	Y	Y	52	1.0		180 Industrial Pike, Lot 4. (Jr. Atterton)
4	862	d) Filter area - Sq Ft (each) - 152	2	32	32	Y	Y	Y	24	1.6		1735 W. Francis Springs Rd. (Sequatchie Fire Dept.)
5	868	e) Total area - Sq Ft (each) - 304	2	35	35	Y	Y	Y	26	1.2		1115 Belmont Church Rd. (Michael Powell)
6	814	f) Filter Rate gpm/ft2 - 3.0	2	32	32	Y	Y	Y	25	1.1		329 Sulphur Springs Rd. (Sulphur Springs Church)
7	801		2	32	32	Y	Y	Y	26	1.5		100 Rebecca Drive (flush hydrant)
8	878		2	34	34	Y	Y	Y	52	ns		no sample required
9	843		2	33	33	Y	Y	Y	24	ns		no sample required
10	867		2	34	34	Y	Y	Y	25	1.4		128 Pickett Dr. (Darrell Dempsey)
11	896		2	34	34	Y	Y	Y	26	1.1		8516 Griffith Hwy (Brandon Tate)
12	895		2	33	33	Y	Y	Y	25	1.3		180 Fuzz Rollins Rd. (Grace Pickett)
13	864		2	32	32	Y	Y	Y	27	1.7		2717 Old Dunlap Rd. (Red Hill Pump House)
14	917		2	34	34	Y	Y	Y	25	1.7		140 Hwy 27 (Nana's Restaurant)
15	889		2	34	34	Y	Y	Y	22	ns		no sample required
16	926		2	33	33	Y	Y	Y	46	ns		no sample required
17	939		2	34	34	Y	Y	Y	23	1.2		300 Old Mill Rd. (Kenny Atterton)
18	872		2	33	33	Y	Y	Y	25	2.0		170 Sherry Dr. (Robin Nipper)
19	890		2	36	36	Y	Y	Y	23	1.3		1260 Hwy 283 (Kevin Hgdon)
20	939		2	36	36	Y	Y	Y	24	1.0		7939 Griffith Hwy
21	879		2	34	34	Y	Y	Y	76	1.5		200 Teague Cemetery Rd. (Derek Kilgore)
22	907		2	35	35	Y	Y	Y	33	ns		no sample required
23	880		2	36	36	Y	Y	Y	47	ns		no sample required
24	912		2	36	36	Y	Y	Y	23	1.4		218 Osceola Dr. (Steve Kilgore)
25	887		2	35	35	Y	Y	Y	21	1.7		318 Red Hill Cemetery Rd. (Anna Griffith)
26	883		2	34	34	Y	Y	Y	22	1.9		1930 Main St. (Allison Leding)
27	924		2	35	35	Y	Y	Y	24	1.4		350 South Magnolia Ave. (Glen Henry)
28	836		2	32	32	Y	Y	Y	50	1.7		13150 Hwy 28 (Raceway)
29	827		2	33	33	Y	Y	Y	23	ns		no sample required
30	994		2	34	34	Y	Y	Y	29	ns		no sample required
31												
Total	26373		60	1012					917		0	Remarks:
Ave	879		2	34	34					1.4		
Max	994		2	36	36				76	0.0	0	
Min	795		2	31	31				21	0.0	1.0	0

**TENNESSEE AMERICAN WATER COMPANY
DOCKET 15-00001
RESPONSE TO THIRD SET OF REQUEST FOR INFORMATION
OF THE
TENNESSEE REGULATORY AUTHORITY**

Responsible Witnesses: Linda C. Bridwell

Question:

3. It appears the Company changed its methodology for Chemical cost calculation for Suck Creek. Staff recalculated Chemical costs for Suck Creek using same methodology from Docket No. 13-00130. Please verify the following discrepancies and provide a response as to whether the Company agrees.

	TAWC	Staff
Month	Suck Creek	Suck Creek
Dec-13	\$ -	
Jan-14	-	479.03
Feb-14	32.88	
Mar-14	233.90	
Apr-14	74.53	349.76
May-14	211.64	
Jun-14	92.20	317.96
Jul-14	43.31	
Aug-14	302.73	
Sep-14	-	668.07
Oct-14	337.97	
Nov-14	144.84	
Total	\$ 1,474.00	\$ 1,814.82

Response:

Company has provided the correct amount based on the methodology as discussed in response Question 2 of this same Data Request. The chemicals for Suck Creek were purchased as shown on the tab "ADC", but the amount of chemicals issued from inventory are reflected on the tab "Monthly Totals" under the Suck Creek column and tie to the usage amounts from the "usage pivot" tab. The amount of \$1,474.00 provided by TAWC tie to the chemicals expensed in 2014, or actual chemical usage. Staff numbers represent invoices paid in 2014.

Supplemental Response July 15, 2015:

Please refer to the attached inventory sheets for Suck Creek.

Plant	Tenn Am - Suck Creek	2/26/2014 Start Shift	Plant- P702	Month of	Feb 2014	(actual)	Storage location - 1700	3 day usage estimated	Entered 2/27/2014	NET USAGE TO BE ENTERED SAP	SAP Issued Cost	SAP GL Account 51800000	DOC TYPE and NUMBER	SAP ISSUED UNIT COST	Unit Cost % of Contract
Description	Material Code	AVAILABLE QTY	PHYSICAL QTY	USAGE	Cost/Lb	Estimated Total Cost	PROJECTED USAGE								
HFS Acid, 23% Mini Bulk	1200648	135	215	80	0.4080	-\$34	-3		83					0.0000	0.0%
Potassium Permanganate, 100% 55 lb	1200871	0	60	60	0.0000	\$0	-2		62					0.0000	
Sodium Hypochlorite 13% Mini Bulk	1200942	613	613	-	0.2250	\$0	0		-					#DIV/0!	#DIV/0!
Do Not Use	1201421	0	0	-		\$0	0		-					#DIV/0!	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	1,045	929	(116)	0.2740	\$33	4		(120)			Issue Chemical		0.0000	0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	0	287	287	0.0000	\$0	-10		297					0.0000	#DIV/0!

Remarks: Did not return to stock previous expense out HFS Acid, Potassium Permanganate, Sodium Hypochlorite, Phosphate.

SAP Issued Cost Budget compared to SAP

Total Chemical Costs \$32.88 -\$0.85

\$0 #DIV/0!

Prepared/Reviewed By: Doc 4900237758 Entered by: David McBony

Date: _____ Date: 2/27/2014

Plant: Tenn Am - Suck Creek 3/31/2014 @ 1530Hrs Plant: P702

Description	Material Code	SAP QTY (pounds)	On Hand PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost	PROJECTED USAGE (pounds)	Entered 3/31/2014			SAP GL Account	SAP ISSUED UNIT COST	Unit Cost % of Contract
								NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost	DOC TYPE and NUMBER			
HFS Acid, 23% Mini Bulk	1200648	135	135	-	0.4080	\$0	0	-		Issue Chemical	51800000	#DIV/0!	#DIV/0!
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0.0000	\$0	0	-		Issue Chemical	DOC #	#DIV/0!	#DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	613	309	(304)	0.2250	\$68	0	(304)		Issue Chemical	DOC #	0.0000	0.0%
Do Not Use	1201421	0	0	-		\$0	0	-		Issue Chemical	DOC #	#DIV/0!	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	1,045	441	(604)	0.2740	\$165	0	(604)		Issue Chemical	DOC #	0.0000	0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	0	0	-	0.0000	\$0	0	-		Issue Chemical	DOC #	#DIV/0!	#DIV/0!

SAP Issued Cost Budget compared to SAP

Total Chemical Costs

\$233.90

Budget

\$0

#DIV/0!

Prepared/Reviewed By:

David McBay

Date:

3/31/2014

Entered by:

David McBay

Date:

3/31/2014

Doc 4900268975

Date:

Plant	Tenn Arm - Suck Creek	5/30/2014	Plant- P702	1 day usage estimated	Enter 5/30/2014	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost	SAP GL Account	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	May 2014	(actual) On Hand	Storage location - 1700	Estimated Total Cost	PROJECTED USAGE (pounds)	SAP Issued Cost	DOC TYPE and NUMBER	SAP	Unit Cost
Description	Material Code	AVAILABLE QTY (pounds)	PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb			DOC #	ISSUED UNIT COST	% of Contract
HFS Acid, 23% Mini Bulk	1200648	135	135	-	0.4080	0		Issue Chemical	#DIV/0!	#DIV/0!
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0.0000	0		Issue Chemical	#DIV/0!	#DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	609	471	(138)	0.2250	5		Issue Chemical	0.0000	0.0%
Do Not Use	1201421	0	0	-	\$0	0		Issue Chemical	#DIV/0!	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	1,307	673	(634)	0.2740	21		Issue Chemical	0.0000	0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	0	0	-	0.0000	0		Issue Chemical	#DIV/0!	#DIV/0!

SAP Issued Cost Budget compared to SAP

Total Chemical Costs

\$211.65

Budget

\$0

#DIV/0!

Prepared/

Reviewed By:

D McBerry

Date:

5/30/14

Entered by:

D McBerry

Date:

5/30/2014

Plant	Tenn Am - Suck Creek	6/24/2014	Plant- P702	1 day usage estimated	Enter 6/24/2014	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost	SAP GL Account	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	June 2014	(actual)	Storage location - 1700	PROJECTED USAGE (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost	DOC TYPE and NUMBER	
Description	Material Code	AVAILABLE QTY (pounds)	On Hand PHYSICAL QTY (pounds)						DOC #	
HFS Acid, 23% Mini Bulk	1200648	135	130	(5)	0	(5)	0.4080	\$2	4900369361	0.0%
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0	-	0.0000	\$0	4900369361	#DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	384	306	(78)	0	(78)	0.2250	\$18	4900369361	0.0%
Do Not Use	1201421	0	0	-	0	-		\$0	4900369361	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	380	115	(265)	0	(265)	0.2740	\$73	4900369361	0.0%
Phosphate Ortho-Poly Carus 8500 Mini	1201451	0	0	-	0	-	0.0000	\$0	4900369361	#DIV/0!

SAP Issued Cost Budget compared to SAP

Total Chemical Costs

\$92.27

Budget

\$0

#DIV/0!

Prepared/
Reviewed By:

Entered by:

Date:

6/24/2014

4900390013

Plant	Tenn Am - Suck Creek	7/17/2014	Plant- P702	1 day usage estimated	Enter on 7/17/14	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost	SAP GL Account	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	July 2014	(actual)	Storage location - 1700	PROJECTED USAGE (pounds)	Estimated Total Cost	Cost/Lb	USAGE (pounds)	DOC TYPE and NUMBER	
Description	Material Code	AVAILABLE QTY (pounds)	On Hand PHYSICAL QTY (pounds)							
HFS Acid, 23% Mini Bulk	1200648	130	121	(9)	0	\$4	0.4080	(9)	DOC # 4900392763 Issue Chemical	0.0000 0.0%
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0	\$0	0.0000	-	DOC # Issue Chemical	#DIV/0! #DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	706	598	(108)	0	\$24	0.2250	(108)	DOC # 4900392763 Issue Chemical	0.0000 0.0%
Do Not Use	1201421	0	0	-	0	\$0		-	DOC # Issue Chemical	#DIV/0! #DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	2,467	1,219	(1,248)	0	\$342	0.2740	(1,248)	DOC # 4900392763 Issue Chemical	0.0000 0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	0	0	-	0	\$0	0.0000	-	DOC #	#DIV/0! #DIV/0!

SAP Issued Cost Budget compared to SAP

Total Chemical Costs

\$369.92

Budget

\$0

#DIV/0!

Prepared/
Reviewed By:

D McBay

Date:

7/17/14

Entered by:

D McBay

Date:

7/17/14

Plant	Tenn Am - Suck Creek			Plant- P702			1 day usage estimated			8/27/2014			8/27/2014		
P702	Month of	Aug 2014	(actual)	Storage location - 1700			PROJECTED USAGE (pounds)	Enter by D Mct	SAP Issued Cost	SAP GL Account	SAP ISSUED UNIT COST	Unit Cost % of Contract			
	Material Code	SAP AVAILABLE QTY (pounds)	On Hand PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost		NET USAGE TO ENTER IN SAP (pounds)		DOC TYPE and NUMBER					
Description										Issue Chemical					
HF5 Acid, 23% Mini Bulk	1200648	121	104	(17)	0.4080	\$8	2	(19)		DOC #	0.0000	0.0%			
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0.0000	\$0	0	-		Issue Chemical					
Sodium Hypochlorite 13% Mini Bulk	1200942	598	283	(315)	0.2250	\$73	8	(323)		DOC #	0.0000	0.0%			
Do Not Use	1201421	0	0	-		\$0	0	-		Issue Chemical					
Sodium Hydroxide 40% Mini Bulk	1201423	1,219	420	(799)	0.2740	\$222	12	(811)		DOC #	0.0000	0.0%			
Phosphate, Ortho-Poly Canus 8500 Mini	1201451	0	0	-	0.0000	\$0	0	-		DOC #					
Remarks:															

Budget compared to SAP

SAP Issued Cost

Total
Chemical
Costs

Paul McBry

Prepared/
Reviewed By:

Date:

#DIV/0!

\$0

Budget

\$302.64

Costs

Entered by:

Date:

Plant	Tenn Am - Suck Creek	10/24/2014	Plant- P702	1 day usage estimated	Enter by Dmcbay 10/24/14	SAP GL Account	SAP TYPE and NUMBER	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	Oct 2014	(actual) On Hand PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost	PROJECTED USAGE (pounds)	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost
Description	Material Code	AVAILABLE QTY (pounds)	PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost	PROJECTED USAGE (pounds)	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost
HFS Acid, 23% Mini Bulk	1200648	206	181	(25)	0.4080	\$11	1	(26)	
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0.0000	\$0	0	-	
Sodium Hypochlorite 13% Mini Bulk	1200942	825	399	(426)	0.2250	\$99	14	(440)	
Do Not Use	1201421	0	0	-		\$0	0	-	
Sodium Hydroxide 40% Mini Bulk	1201423	1,510	770	(740)	0.2740	\$210	25	(765)	
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	174	158	(16)	0.0000	\$0	1	(17)	
Remarks:									

Budget compared to SAP

SAP Issued Cost

Total Chemical Costs

\$319.11

Budget

\$0

#DIV/0!

Prepared/

Reviewed By:

D McBay

Entered by:

D McBay

Date:

10/24/14

Date:

10/24/14

Plant	Tenn Am - Suck Creek	11/21/2014	Plant- P702	1 day usage estimated	Entered 11/21/2014	SAP GL Account	SAP TYPE and NUMBER	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	Nov 2014	(actual)	Storage location - 1700	PROJECTED USAGE (pounds)	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost		
Description	Material Code	AVAILABLE QTY (pounds)	On Hand PHYSICAL QTY (pounds)	Cost/Lb	Estimated Total Cost				
HFS Acid, 23% Mini Bulk	1200648	181	161	0.4080	\$8	(20)		0.0000	0.0%
Potassium Permanganate, 100% 55 lb	1200871	0	0	0.0000	\$0	-		#DIV/0!	#DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	399	187	0.2250	\$48	(212)		0.0000	0.0%
Do Not Use	1201421	0	0		\$0	-		#DIV/0!	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	770	517	0.2740	\$69	(253)		0.0000	0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	158	145	0.0000	\$0	(13)		0.0000	#DIV/0!

Budget compared to SAP

SAP Issued Cost

Budget

Total Chemical Costs

#DIV/0!

\$0

Budget

\$125.18

Prepared/Reviewed By: David McBay

Date: 11/21/2014

Entered by:

#DIV/0!

\$0

Budget

\$125.18

Entered by: David McBay

Date: 11/21/2014

Plant	Tenn Am - Suck Creek	7/28/2013	Plant- P702	1 day usage estimated	Entered 7/29/13	NET USAGE TO ENTER IN SAP (pounds)	PROJECTED USAGE (pounds)	Estimated Total Cost	USAGE (pounds)	Cost/Lb	Storage location - 1700	SAP Issued Cost	SAP GL Account 51800000	SAP ISSUED UNIT COST	Unit Cost % of Contract
P702	Month of	Jul 2013	(actual) On Hand	AVAILABLE QTY (pounds)	PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Estimated Total Cost	PROJECTED USAGE (pounds)	Entered 7/29/13	NET USAGE TO ENTER IN SAP (pounds)	SAP Issued Cost	SAP GL Account 51800000	SAP ISSUED UNIT COST	Unit Cost % of Contract
Description	Material Code	AVAILABLE QTY (pounds)	PHYSICAL QTY (pounds)	USAGE (pounds)	Cost/Lb	Storage location - 1700	SAP Issued Cost	SAP GL Account 51800000	SAP ISSUED UNIT COST	Unit Cost % of Contract					
HFS Acid, 23% Mini Bulk	1200648	121	112	(9)	0.4080	\$4	0	(9)						0.0000	0.0%
Potassium Permanganate, 100% 55 lb	1200871	0	0	-	0.0000	\$0	0	-						#DIV/0!	#DIV/0!
Sodium Hypochlorite 13% Mini Bulk	1200942	598	525	(73)	0.2250	\$16	0	(73)						0.0000	0.0%
Do Not Use	1201421	0	0	-		\$0	0	-						#DIV/0!	#DIV/0!
Sodium Hydroxide 40% Mini Bulk	1201423	1,219	977	(242)	0.2740	\$66	0	(242)						0.0000	0.0%
Phosphate, Ortho-Poly Carus 8500 Mini	1201451	0	0	-	0.0000	\$0	0	-						#DIV/0!	#DIV/0!

SAP Issued Cost Budget compared to SAP

Total Chemical Costs

\$86.53

Budget

\$0

#DIV/0!

Prepared/
Reviewed By:

Entered by:

Date:

7/29/13

Period 07/2013 is not open for account Type M
and G/L 15130000

CERTIFICATE OF SERVICE

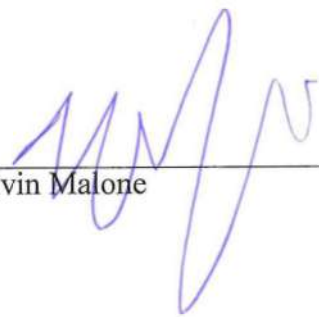
I hereby certify that a true and correct copy of the foregoing was served via United States

Mail and/or electronic mail to the following:

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SO CERTIFIED, this the 16th day July, 2015.



Melvin Malone