

AGENDA

Hartsville-Trousdale Water & Sewer Utility District of
Hartsville/Trousdale County, Tennessee

DATE AND TIME

February 23, 2021 at 5:00 pm

PLACE OF MEETING

County Administration Building
Mayor's Office
328 Broadway
Hartsville, TN. 37074

ORDER OF BUSINESS

PUBLIC HEARING (Trousdale County application for a Drinking Water State Revolving Fund Loan, with the possibility of Partial Principal Forgiveness, in the amount of \$1,750,000 to construct a 2.0 MG Water Storage Tank.

1. Roll call and determination of quorum.
2. Approval of January 2021 minutes.
3. Approval of January 2021 Financial reports.
4. Water Loss Report.
5. Engineering Report Evan White Mid-Tenn. Engineering (Office/Shop Building)
6. General Manager Report:
 - Approval for 2021-2022 Budget.
 - TDEC Sanitary Survey Score 98.
 - Discuss joining the TAUD Apprenticeship Program.
7. Public Comments
8. Board Members Comments
9. Adjournment

Jan 26, 2021
Hartsville-Trousdale County
Water & Sewer Utility District
Meeting of Board of Commissioners

Board members present were, Stephen Chambers, Todd Webber, Dwight Jewell, Craig Moreland, and Heather Bay. Others attending were Tommy McFarland, Evan White, and Mary Dale Welch.

Chairman Moreland called the meeting to order.

The first order of business was to elect officers for the year. The floor was opened for nominations for chairman. Heather Bay nominated Craig Moreland, seconded by Todd Webber. The vote was unanimous.

Craig Moreland nominated Heather Bay for co-chair. Dwight Jewell seconded the nomination. The nomination was unchallenged.

Dwight Jewell nominated Todd Webber for the office of secretary, Heather Bay seconded the nomination. Again, there was no opposition.

The November minutes were approved on a motion made by Todd Webber and seconded by Dwight Jewell.

The financial reports for Nov and Dec were approved. Motion was made by Dwight Jewell and seconded by Heather Bay.

For the water loss, Tommy reported that there is a leak in the Puryear's Bend area that has not been found. The field techs are working to find out where it is.

Evan White, Mid Tenn Engineering, reported the SRF had come back with environmental comments. A public meeting will need to be scheduled for this to go forward.

The CDBG19 project for the zone meters is underway. The vaults are being installed. The project should be finished in time to apply for the CDBG-2021 funds.

Evan brought the drawings for the garage/office building for the board to review.

A motion was made by Todd Webber for the department to provide matching funds for the CDBG-2021 project. Heather Bay seconded the motion, it was approved.

Tommy presented the board with a sewer ordinance that Don Scholes of TAUD had prepared. After discussion, a motion was made by Todd Webber and seconded by Heather Bay, to form a sub-committee consisting of the mayor, the general manager, and the county attorney to review municipal code 18 and the ordinance to address any inconsistencies.

Tommy reported to the Board that TAUD has an apprenticeship program he would be interested in sending some employees to. After discussion, the Board requested that the program director come to the next meeting to answer some questions concerning a selection process and possible pay back terms if the program is not completed.

Dwight Jewell made a motion to adjourn the meeting.

Hartsville Trousdale Water and Sewer
 Budget To Actual: 2020 - 2021
 for Accounting Period 01/31/2021

Account Number	Account Description	Budget	12 Month Ave.	Budget Period	YTD Actual	Variance
204-43190	OTHER GEN SERV- SEWER/CON	\$ 980,978.81	\$ 81,748.23	\$ 572,237.64	\$ 588,120.76	\$ (15,883.12)
204-43191	WATER SALES	\$ 2,320,780.82	\$ 193,398.40	\$ 1,353,788.81	\$ 1,366,520.71	\$ (12,731.90)
204-43193	WATER TAP SALES	\$ 152,829.64	\$ 12,735.80	\$ 89,150.62	\$ 80,950.00	\$ 8,200.62
204-43194	SERVICE CHARGES	\$ 169,176.06	\$ 14,098.01	\$ 98,686.04	\$ 95,193.08	\$ 3,492.95
204-44110	INVESTMENT INCOME	\$ 35,416.23	\$ 2,951.35	\$ 20,659.47	\$ 20,369.27	\$ 290.20
204-44120	LEASE/RENTALS - CITY	\$ 7,200.00	\$ 600.00	\$ 4,200.00	\$ 4,200.00	\$ -
204-44530	SALE OF EQUIPMENT	\$ -	\$ -	\$ -	\$ 17,432.00	\$ (17,432.00)
204-44560	DAMAGES RECOVERED FROM INDIVIDUALS	\$ -	\$ -	\$ -	\$ 1,087.27	\$ (1,087.27)
204-49700	INSURANCE RECOVERY	\$ -	\$ -	\$ -	\$ -	\$ -
204-47590	OTHER FED THRU STATE{GRANT - SEWER	\$ -	\$ -	\$ -	\$ 93,907.77	\$ (93,907.77)
Revenue Total	With Grants	\$ 3,666,381.56	\$ 305,531.80	\$ 2,138,722.58	\$ 2,267,780.86	\$ (129,058.28)
Revenue Total	Without Grants	\$ 3,666,381.56	\$ 305,531.80	\$ 2,138,722.58	\$ 2,173,873.09	\$ (35,150.51)
Expense Total		\$ 3,342,730.00	\$ 278,560.83	\$ 1,949,925.83	\$ 1,950,177.59	\$ (251.76)
Total Public Utilities		\$ 323,651.56	\$ 26,970.96	\$ 188,796.74	\$ 317,603.27	\$ (128,806.53)

16.29%

11.47%

Hartsville Trousdale Water and Sewer
Balance Sheet: 2020 - 2021
For the Period Ending 01/31/2021

PUBLIC UTILITIES			
Account Number	Account Description	Debit	Credit
Assets			
204-11120-000-0	CASH ON HAND	\$ 400.00	\$ -
204-11130-000-0	CASH WBT50167	\$ 135,542.09	\$ -
204-11130-000-1	CB CD MATURITY 12/18/2021 2.1877%	\$ 1,022,118.06	\$ -
204-11130-000-3	CB CD MATURITY 08/06/2023 INT 2.725%	\$ 556,116.11	\$ -
204-11130-000-4	PAYROLL ACCT	\$ 10,001.89	\$ -
204-11130-000-5	MONEY MARKET ACCOUNT	\$ 2,486,993.72	\$ -
204-11410-000-0	ACCOUNT RECEIVABLE CUSTOMER	\$ 325,259.52	\$ -
204-11600-000-0	PREPAID ITEMS	\$ 34,630.44	\$ -
204-12250-000-0	NET PENSION ASSET	\$ 2,356.00	\$ -
204-13200-000-0	LAND	\$ 408,043.39	\$ -
204-13300-000-0	BUILDINGS & IMPROVEMENTS	\$ 26,000.00	\$ -
204-13310-000-0	ACCUMULATED DEPR - BLDGS &	\$ -	\$ 15,899.97
204-13400-000-0	INFRASTRUCTURE	\$ 28,660,542.05	\$ -
204-13410-000-0	ACCUMULATED DEPR -INFRASTR	\$ -	\$ 10,799,342.88
204-13700-000-0	MACHINERY AND EQUIPMENT	\$ 1,666,999.58	\$ -
204-13800-000-0	CONSTRUCTION IN PROGRESS	\$ 11,244.91	\$ -
204-13800-000-1	CIP HONEYSUCKLE &141	\$ 465,424.81	\$ -
204-13800-000-2	CDBG 2019- FLEX NET SYSTEM	\$ 147,242.40	\$ -
204-13800-000-3	POLE BARN	\$ 27,181.06	\$ -
204-13800-000-4	WATER TREATMENT PLANT PROJECT	\$ 148,901.79	\$ -
204-13800-000-5	FIRE HYDRANT PROJECT	\$ 117,717.93	\$ -
204-13800-000-6	SHOP BUILDING	\$ 11,500.00	\$ -
204-13800-000-7	PAINTING PIPE GALLERY AT WTP	\$ 10,799.00	\$ -
204-13800-000-8	TANK PROJECT	\$ 32,822.50	\$ -
204-13910-000-0	ALLOWANCE FOR DEPRECIATION	\$ -	\$ 1,249,160.12
204-15400-000-0	PENSION CHANGES IN EXPERIENC	\$ 79,853.00	\$ -
204-15401-000-0	PENSION CHANGES IN ASSUMPTIN	\$ 15,584.00	\$ -
204-15404-000-0	PENSION CHANGES AFTER MEAS	\$ 36,008.00	\$ -
Total Assets		\$ 36,439,282.25	\$ 12,064,402.97
			\$ 24,374,879.28
Liabilities			
204-21100-000-0	ACCOUNTS PAYABLE	\$ -	\$ 49,572.75
204-21200-000-0	ACCRUED WAGES	\$ -	\$ 18,847.13
204-21330-000-0	RETIREMENT CONTRIBUTIONS	\$ -	\$ 0.22
204-21342-000-0	HEALTH INSURANCE	\$ -	\$ 54.00
204-21343-000-0	AMERICAN GENERAL	\$ -	\$ 177.48
204-21344-000-0	DENTAL INS	\$ 48.04	\$ -
204-21345-000-0	AFLAC	\$ -	\$ 62.62
204-21346-000-0	OTHER PR DED	\$ -	\$ 0.54
204-21347-000-0	AMERICAN FIDELITY	\$ 108.62	\$ -
204-21348-000-0	VISION	\$ -	\$ 0.09
204-21395-000-0	ACCRUED LEAVE - CURRENT	\$ -	\$ 30,410.33
204-21500-000-0	DUE TO SOLID WASTE	\$ -	\$ 20,092.21
204-21530-000-0	DUE TO STATE OF TN SALES T	\$ -	\$ 16,382.42
204-21900-000-1	LEAK PROTECTION	\$ -	\$ 10,630.40
204-21900-000-2	LINE PROTECTION	\$ -	\$ 1,906.50
204-21951-000-0	CUSTOMER DEPOSIT	\$ -	\$ 4,000.00
204-27200-000-2	REVENUE BNONDS PAYABLE LONG-2	\$ -	\$ 3,346,515.82
204-27200-000-3	REVENUE BNONDS PAYABLE LONG-3	\$ -	\$ 1,758,221.97
204-29980-000-0	PENSION CHANGES IN EXPERIE	\$ -	\$ 33,929.00
204-29982-000-0	PENSION CHANGES IN EXPERIENC	\$ -	\$ 20,687.00
Total Liabilities		\$ 156.66	\$ 5,311,490.48
			\$ 5,311,333.82
Equities			
204-39900-000-0	FUND BALANCE		\$ 18,745,942.19
Equity			\$ 18,745,942.19
Revenues Less Expenditures		\$ 317,603.27	\$ 317,603.27
Total Equity			\$ 19,063,545.46
Total Liabilities and Equity			\$ 24,374,879.28
Total	PUBLIC UTILITIES	\$ 36,439,438.91	\$ 36,439,438.91

Hartsville Trousdale Water and Sewer
Income Statement: 2020 - 2021
For the Period Ending 01/31/2021

PUBLIC UTILITIES

Revenues

Account Number	Account Description	Estimated Revenue	Activity this Period	Revenue YTD
204-43190-000-1	OTHER GEN SERV- SEWER/CON	\$ 980,978.81	\$ 81,864.36	\$ 588,120.76
204-43191-000-1	WATER SALES	\$ 2,320,780.82	\$ 199,400.88	\$ 1,366,520.71
204-43193-000-1	TAP SALES	\$ 152,829.64	\$ 9,000.00	\$ 80,950.00
204-43194-000-1	SERVICE CHARGES	\$ 169,176.06	\$ 11,489.77	\$ 95,193.08
204-44110-000-1	INVESTMENT INCOME	\$ 35,416.23	\$ 110.90	\$ 20,369.27
204-44120-000-1	LEASE/RENTALS	\$ 7,200.00	\$ 600.00	\$ 4,200.00
204-44530-000-1	SALES OF EQUIPMENT	\$ -	\$ -	\$ 17,432.00
204-44560-000-3	DAMAGES RECOVERED FROM INDIVIDUALS	\$ -	\$ -	\$ 1,087.27
204-47590-000-2	OTHER FED THRU STATE(GRANT - SEWER)	\$ 617,849.00	\$ (18,237.10)	\$ 93,907.77
Total Fund	PUBLIC UTILITIES	\$ 4,284,230.56	\$ 284,228.81	\$ 2,267,780.86

Expenditures

Account Number	Account Description	Approp Amount	Activity this Period	Expenditure YTD
204-55900-105-1	EMPLOYEE WAGES-SUPERVISOR/ - CITY	\$ 74,534.73	\$ 6,020.06	\$ 44,331.40
204-55900-162-1	EMPLOYEE WAGES-CLERICAL PE - CITY	\$ 143,824.72	\$ 11,039.27	\$ 82,478.74
204-55900-187-1	EMPLOYEE WAGES-OVERTIME PA - CITY	\$ 86,140.04	\$ 5,896.77	\$ 61,315.27
204-55900-188-1	EMPLOYEE WAGES-BONUS PAYME - CITY	\$ 14,450.00	\$ -	\$ 13,550.00
204-55900-189-1	EMPLOYEE WAGES-OTHER SALAR - CITY	\$ 556,376.60	\$ 44,432.01	\$ 306,720.13
204-55900-191-1	BOARD AND COMMITTEE MEMBER - CITY	\$ 2,723.57	\$ 150.00	\$ 1,600.00
204-55900-196-1	IN-SERVICE TRAINING - CITY	\$ 8,065.29	\$ 24.98	\$ 24.98
204-55900-201-1	EMPLOYEE BENEFIT SOCIAL SE - CITY	\$ 60,261.33	\$ 4,986.41	\$ 38,132.87
204-55900-204-1	EMPLOYEE BENEFIT STATE RET - CITY	\$ 43,043.80	\$ 3,105.02	\$ 21,847.39
204-55900-207-1	EMPLOYEE BENEFIT MEDICAL I - CITY	\$ 80,976.00	\$ 7,728.72	\$ 43,090.30
204-55900-301-1	ACCOUNTING SERVICES	\$ 4,171.75	\$ -	\$ -
204-55900-307-1	COMMUNICATION - CITY	\$ 24,324.13	\$ 220.00	\$ 14,833.25
204-55900-317-1	DATA PROCESSING - CITY	\$ 55,000.00	\$ 7,018.97	\$ 11,818.97
204-55900-320-1	DUES AND MEMBERSHIPS - CITY	\$ 4,664.86	\$ 231.00	\$ 3,766.76
204-55900-321-1	ENGINEERING SERVICES	\$ 10,250.00	\$ -	\$ -
204-55900-332-1	LEGAL NOTICES, RECORDING A - CITY	\$ 68.53	\$ -	\$ 982.88
204-55900-335-1	MAINTENANCE REPAIR BUILDIN - CITY	\$ 2,972.50	\$ -	\$ -
204-55900-336-1	MAINTENANCE REPAIR EQUIPME - CITY	\$ 159,890.00	\$ 6,465.70	\$ 30,785.35
204-55900-337-1	MAINTENACERPAIR OFFICE EQ - CITY	\$ 110.61	\$ -	\$ -
204-55900-338-1	MAINTENANCE REPAIR VEHICL - CITY	\$ 10,948.76	\$ 992.90	\$ 17,609.01
204-55900-348-1	POSTAL CHARGES - CITY	\$ 20,552.22	\$ -	\$ 6,632.52
204-55900-355-1	TRAVEL - CITY	\$ 1,500.00	\$ -	\$ -
204-55900-359-2	DISPOSAL FEES	\$ 5,729.34	\$ 1,265.85	\$ 5,183.13
204-55900-361-1	PERMITS - CITY	\$ 15,000.00	\$ 4,840.00	\$ 11,351.80
204-55900-399-1	OTHER CONTRACTED SERVICES - CITY	\$ 13,907.50	\$ 750.09	\$ 16,210.47
204-55900-415-1	ELECTRICITY - CITY	\$ 290,204.69	\$ 17,207.12	\$ 151,705.11
204-55900-425-1	GASOLINE - CITY	\$ 26,441.73	\$ -	\$ 13,838.62
204-55900-434-1	NATURAL GAS - CITY	\$ 6,124.96	\$ -	\$ 2,202.62
204-55900-435-1	OFFICE SUPPLIES - CITY	\$ 6,292.84	\$ 141.70	\$ 1,605.87
204-55900-450-1	TIRES AND TUBES - CITY	\$ 8,765.84	\$ 3,400.20	\$ 5,465.84
204-55900-463-1	TESTING (WATER SAMPLES ETC - CITY	\$ 25,481.52	\$ 1,590.83	\$ 16,434.79
204-55900-468-1	CHEMICALS - CITY	\$ 182,017.82	\$ 6,527.19	\$ 88,392.99
204-55900-499-1	OTHER SUPPLIES AND MATERIA - CITY	\$ 304,461.32	\$ 22,755.11	\$ 286,570.08
204-55900-506-1	LIABILITY INSURANCE - CITY	\$ 83,180.01	\$ 6,926.08	\$ 50,801.56
204-55900-514-1	DEPRECIATION - CITY	\$ 832,789.72	\$ 65,661.00	\$ 459,966.00
204-55900-599-1	OTHER CHARGES - CITY	\$ 38,403.27	\$ 1,153.58	\$ 80,877.08
204-55900-603-1	INTEREST ON LOAN - CITY	\$ 131,080.00	\$ 8,538.95	\$ 60,051.81
204-55900-719-1	OFFICE EQUIPMENT - CITY	\$ 8,000.00	\$ -	\$ -
Total Fund	PUBLIC UTILITIES	\$ 3,342,730.00	\$ 239,069.51	\$ 1,950,177.59

Fund Balance		\$ 18,745,942.19
Total Revenues	\$ 284,228.81	\$ 2,267,780.86
Less Total Expenditures	\$ 239,069.51	\$ 1,950,177.59
Net Income	\$ 45,159.30	\$ 317,603.27
New Fund Balance		\$ 19,063,545.46

Hartsville Trousdale Water and Sewer
Revenue Statement: 2020 - 2021
for Accounting Period 01/31/2021
PUBLIC UTILITIES

Account #	Account Description	Estimated Revenue	Activity this Period	Revenue YTD	Uncollected YTD	% Coll
204-43190	OTHER GEN SERV- SEWER/CON	\$980,978.81	\$81,864.36	\$588,120.76	\$392,858.05	59.95%
204-43191	WATER SALES	\$2,320,780.82	\$199,400.88	\$1,366,520.71	\$954,260.11	58.88%
204-43193	TAP SALES	\$152,829.64	\$9,000.00	\$80,950.00	\$71,879.64	52.97%
204-43194	SERVICE CHARGES	\$169,176.06	\$11,489.77	\$95,193.08	\$73,982.98	56.27%
204-44110	INVESTMENT INCOME	\$35,416.23	\$110.90	\$20,369.27	\$15,046.96	57.51%
204-44120	LEASE/RENTALS	\$7,200.00	\$600.00	\$4,200.00	\$3,000.00	58.33%
204-44530	Sale of Equipment	\$0.00	\$0.00	\$17,432.00	(\$17,432.00)	0.00%
204-44560	DAMAGES RECOVERED FROM INDIVIDUALS	\$0.00	\$0.00	\$1,087.27	(\$1,087.27)	0.00%
204-47590	OTHER FED THRU STATE(GRANT)	\$617,849.00	(\$18,237.10)	\$93,907.77	\$523,941.23	15.20%
Total Revenues PUBLIC UTILITIES		\$ 4,284,230.56	\$ 284,228.81	\$ 2,267,780.86	\$ 2,016,449.70	52.93%

**Hartsville Trousdale Water and Sewer
Income Statement: 2020 - 2021
For the Period Ending 01/31/2021**

Expenditures

Account #	Account Description	Approp Amount	Activity this Period	Expenditure YTD	Encumbrance YTD	Unencumbered Balance	% Exp. & Enc.
204-55900-105-1	EMPLOYEE WAGES-SUPERVISOR/ - CITY	\$ 74,534.73	\$ 6,020.06	\$ 44,331.40	\$ -	\$ 30,203.33	59.48%
204-55900-162-1	EMPLOYEE WAGES-CLERICAL PE - CITY	\$ 143,824.72	\$ 11,039.27	\$ 82,478.74	\$ -	\$ 61,345.98	57.35%
204-55900-187-1	EMPLOYEE WAGES-OVERTIME PA - CITY	\$ 86,140.04	\$ 5,896.77	\$ 61,315.27	\$ -	\$ 24,824.77	71.18%
204-55900-188-1	EMPLOYEE WAGES-BONUS PAYME - CITY	\$ 14,450.00	\$ -	\$ 13,550.00	\$ -	\$ 900.00	93.77%
204-55900-189-1	EMPLOYEE WAGES-OTHER SALAR - CITY	\$ 556,376.60	\$ 44,432.01	\$ 306,720.13	\$ -	\$ 249,656.47	55.13%
204-55900-191-1	BOARD AND COMMITTEE MEMBER - CITY	\$ 2,723.57	\$ 150.00	\$ 1,600.00	\$ -	\$ 1,123.57	58.75%
204-55900-196-1	IN-SERVICE TRAINING - CITY	\$ 8,065.29	\$ 24.98	\$ 24.98	\$ -	\$ 8,040.31	0.31%
204-55900-201-1	EMPLOYEE BENEFIT SOCIAL SE - CITY	\$ 60,261.33	\$ 4,986.41	\$ 38,132.87	\$ -	\$ 22,128.46	63.28%
204-55900-204-1	EMPLOYEE BENEFIT STATE RET - CITY	\$ 43,043.80	\$ 3,105.02	\$ 21,847.39	\$ -	\$ 21,196.41	50.76%
204-55900-207-1	EMPLOYEE BENEFIT MEDICAL I - CITY	\$ 80,976.00	\$ 7,728.72	\$ 43,090.30	\$ -	\$ 37,885.70	53.21%
204-55900-301-1	ACCOUNTING SERVICES	\$ 4,171.75	\$ -	\$ -	\$ -	\$ 4,171.75	0.00%
204-55900-307-1	COMMUNICATION - CITY	\$ 24,324.13	\$ 220.00	\$ 14,833.25	\$ -	\$ 9,490.88	60.98%
204-55900-317-1	DATA PROCESSING - CITY	\$ 55,000.00	\$ 7,018.97	\$ 11,818.97	\$ -	\$ 43,181.03	21.49%
204-55900-320-1	DUES AND MEMBERSHIPS - CITY	\$ 4,664.86	\$ 231.00	\$ 3,766.76	\$ -	\$ 898.10	80.75%
204-55900-321-1	ENGINEERING SERVICES	\$ 10,250.00	\$ -	\$ -	\$ -	\$ 10,250.00	0.00%
204-55900-332-1	LEGAL NOTICES, RECORDING A - CITY	\$ 68.53	\$ -	\$ 982.88	\$ -	\$ (914.35)	1434.23%
204-55900-335-1	MAINTENANCE REPAIR BUILDIN - CITY	\$ 2,972.50	\$ -	\$ -	\$ -	\$ 2,972.50	0.00%
204-55900-336-1	MAINTENANCE REPAIR EQUIPME - CITY	\$ 159,890.00	\$ 6,465.70	\$ 30,785.35	\$ 1,325.00	\$ 127,779.65	19.25%
204-55900-337-1	MAINTENACERPAIR OFFICE EQ - CITY	\$ 110.61	\$ -	\$ -	\$ -	\$ 110.61	0.00%
204-55900-338-1	MAINTENANCE REPAIR VEHICL - CITY	\$ 10,948.76	\$ 992.90	\$ 17,609.01	\$ 6,596.63	\$ (13,256.88)	160.83%
204-55900-348-1	POSTAL CHARGES - CITY	\$ 20,552.22	\$ -	\$ 6,632.52	\$ -	\$ 13,919.70	32.27%
204-55900-355-1	TRAVEL - CITY	\$ 1,500.00	\$ -	\$ -	\$ -	\$ 1,500.00	0.00%
204-55900-359-2	DISPOSAL FEES	\$ 5,729.34	\$ 1,265.85	\$ 5,183.13	\$ -	\$ 546.21	90.47%
204-55900-361-1	PERMITS - CITY	\$ 15,000.00	\$ 4,840.00	\$ 11,351.80	\$ -	\$ 3,648.20	75.68%
204-55900-399-1	OTHER CONTRACTED SERVICES - CITY	\$ 13,907.50	\$ 750.09	\$ 16,210.47	\$ -	\$ (2,302.97)	116.56%
204-55900-415-1	ELECTRICITY - CITY	\$ 290,204.69	\$ 17,207.12	\$ 151,705.11	\$ -	\$ 138,499.58	52.28%
204-55900-425-1	GASOLINE - CITY	\$ 26,441.73	\$ -	\$ 13,838.62	\$ -	\$ 12,603.11	52.34%
204-55900-434-1	NATURAL GAS - CITY	\$ 6,124.96	\$ -	\$ 2,202.62	\$ -	\$ 3,922.34	35.96%
204-55900-435-1	OFFICE SUPPLIES - CITY	\$ 6,292.84	\$ 141.70	\$ 1,605.87	\$ 4,544.13	\$ 142.84	25.52%
204-55900-450-1	TIRES AND TUBES - CITY	\$ 8,765.84	\$ 3,400.20	\$ 5,465.84	\$ 1,637.00	\$ 1,663.00	62.35%
204-55900-463-1	TESTING (WATER SAMPLES ETC - CITY	\$ 25,481.52	\$ 1,590.83	\$ 16,434.79	\$ 29,022.27	\$ (19,975.54)	64.50%
204-55900-468-1	CHEMICALS - CITY	\$ 182,017.82	\$ 6,527.19	\$ 88,392.99	\$ 131,937.77	\$ (38,312.94)	48.56%
204-55900-499-1	OTHER SUPPLIES AND MATERIA - CITY	\$ 304,461.32	\$ 22,755.11	\$ 286,570.08	\$ 56,238.41	\$ (38,347.17)	94.12%
204-55900-506-1	LIABILITY INSURANCE - CITY	\$ 83,180.01	\$ 6,926.08	\$ 50,801.56	\$ -	\$ 32,378.45	61.07%
204-55900-514-1	DEPRECIATION - CITY	\$ 832,789.72	\$ 65,661.00	\$ 459,966.00	\$ -	\$ 372,823.72	55.23%
204-55900-599-1	OTHER CHARGES - CITY	\$ 38,403.27	\$ 1,153.58	\$ 80,877.08	\$ 12,837.26	\$ (55,311.07)	210.60%
204-55900-603-1	INTEREST ON LOAN - CITY	\$ 131,080.00	\$ 8,538.95	\$ 60,051.81	\$ -	\$ 71,028.19	45.81%
204-55900-719-1	OFFICE EQUIPMENT - CITY	\$ 8,000.00	\$ -	\$ -	\$ -	\$ 8,000.00	0.00%
Total Fund	PUBLIC UTILITIES	\$ 3,342,730.00	\$ 239,069.51	\$ 1,950,177.59	\$ 244,138.47	\$ 1,148,413.94	58.34%

WATER LOSS WORKSHEET

	2021												TOTAL	
	2020													
	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		
WATER PUMPED	37.206	37.621	41.989	41.585	37.522	37.788	34.628							268.34
WATER SOLD	20.247	21.304	19.962	18.584	18.145	18.697	18.875							135.81
WHOLESALE	3.769	4.897	3.985	4.535	4.403	4.384	4.883							30.85
TOTAL WATER SOLD	24.015	26.200	23.947	23.118	22.547	23.081	23.758							166.67
METER IN HOUSE	0.431	0.437	0.451	0.435	0.446	0.355	0.319							2.87
FIRE DEPART	0.000	0.000	0.000	0.000	0.000	0.000	0.000							0.00
FLUSHING	0.521	0.849	0.277	0.173	0.097	0.127	0.022							2.07
BILL ADJ	0.000	0.000	0.000	0.000	0.000	0.000	0.000							0.00
TOTAL ACCOUNTED FOR WATER	24.966	27.486	24.675	23.727	23.090	23.562	24.099							171.60
TOTAL UNACCOUNTED FOR WATER	12.240	10.135	17.314	17.858	14.432	14.226	10.529							96.73
% UNACCOUNTED FOR WATER LOSS 2020-21	32.9%	26.9%	41.2%	42.9%	38.5%	37.6%	30.4%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
% UNACCOUNTED FOR WATER LOSS 2019-20	47.0%	35.6%	25.0%	40.9%	35.0%	39.4%	33.6%	35.7%	37.6%	39.9%	30.6%	39.9%	18.5%	34.9%

	35.5%	30.4%	43.0%	44.4%	39.9%	38.9%	31.4%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	25.4%
WATER PUMPED VS TOTAL WATER SOLD												

ELECTRICITY	\$ 11,903.31	\$ 12,600.00	\$ 12,683.63	\$ 10,817.58	\$ 11,340.92	\$ 13,349.57	\$ 10,673.86					\$ 83,368.87
CHEMICALS	\$ 7,140.54	\$ 11,712.88	\$ 7,647.40	\$ -	\$ 21,441.63	\$ 8,027.00	\$ 2,650.56					\$ 58,620.01
WATER SALES	\$ 193,453.73	\$ 212,535.23	\$ 198,874.55	\$ 192,209.81	\$ 188,629.01	\$ 192,444.55	\$ 199,569.52					\$ 1,377,716.40
SEWER SALES	\$ 78,025.13	\$ 85,164.21	\$ 84,818.45	\$ 81,932.90	\$ 79,919.64	\$ 83,210.50	\$ 79,803.56					\$ 572,874.39
TOTAL SALES	\$ 271,478.86	\$ 297,699.44	\$ 283,693.00	\$ 274,142.71	\$ 268,548.65	\$ 275,655.05	\$ 279,373.08	\$ -	\$ -	\$ -	\$ -	\$ 1,950,590.79

WATER SOLD	24.0154	26.2004	23.9474	23.1185	22.5474	23.0806	23.7578					166.6674
WATER SOLD TOTAL	24.0154	26.2004	23.9474	23.1185	22.5474	23.0806	23.7578	0.0000	0.0000	0.0000	0.0000	166.6674
WATER PUMPED	37.206	37.621	41.989	41.585	37.522	37.788	34.628					268.339
	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	37.206	37.621	41.989	41.585	37.522	37.788	34.628	0.000	0.000	0.000	0.000	268.339

**Hartsville Trousdale Water and Sewer Utility Department
Proposed 2021-2022 Budget**

Account Number	Account Description	2019 - 2020 Budget	2020 - 2021 Budget	2020 - 2021 Estimated	Growth 1.25%	Variance
					2021 - 2022 Proposed Budget with Grant/Loan	
204-43190	OTHER GEN SERV- SEWER/CON	\$ 715,028.51	\$ 980,978.81	\$ 1,008,207.02	\$ 1,020,809.60	\$ 12,602.59
204-43191	WATER SALES	\$ 1,979,845.13	\$ 2,320,780.82	\$ 2,342,606.93	\$ 2,371,889.52	\$ 29,282.59
204-43193	WATER TAP SALES	\$ 161,472.03	\$ 152,829.64	\$ 138,771.43	\$ 140,506.07	\$ 1,734.64
204-43194	SERVICE CHARGES	\$ 66,005.51	\$ 169,176.06	\$ 163,188.14	\$ 165,227.99	\$ 2,039.85
204-44110	INVESTMENT INCOME	\$ 25,659.51	\$ 35,416.23	\$ 34,918.75	\$ 35,355.23	\$ 436.48
204-44120	LEASE/RENTALS - CITY	\$ 7,200.00	\$ 7,200.00	\$ 7,200.00	\$ 7,200.00	\$ -
204-44530	SALES OF EQUIPMENT	\$ -	\$ -	\$ 17,432.00	\$ -	\$ (17,432.00)
204-44560	DAMAGES RECOVERED FROM INDIVIDUALS	\$ -	\$ -	\$ 1,087.27	\$ -	\$ (1,087.27)
204-47590	OTHER FED THRU STATE(GRANT)	\$ -	\$ 617,849.00	\$ 617,849.00	\$ -	\$ (617,849.00)
Revenue Total		\$ 2,955,210.68	\$ 4,284,230.56	\$ 4,331,260.53	\$ 3,740,988.42	\$ (590,272.12)
Expenses						
204-55900-105	EMPLOYEE WAGES-SUPERVISOR	\$ 72,713.06	\$ 74,534.72	\$ 75,996.69	\$ 76,016.93	\$ 20.24
204-55900-162	EMPLOYEE WAGES-CLERICAL PE	\$ 130,247.21	\$ 143,824.72	\$ 141,392.13	\$ 146,687.42	\$ 5,295.30
204-55900-187	EMPLOYEE WAGES-OVERTIME PA	\$ 43,762.88	\$ 86,140.04	\$ 105,111.89	\$ 95,247.64	\$ (9,864.25)
204-55900-188	EMPLOYEE WAGES-BONUS PAYME	\$ 12,650.01	\$ 14,450.00	\$ 23,228.57	\$ 14,450.00	\$ (8,778.57)
204-55900-189	EMPLOYEE WAGES-OTHER SALAR	\$ 472,378.81	\$ 556,376.60	\$ 525,805.94	\$ 589,380.48	\$ 63,574.54
204-55900-191	BOARD AND COMMITTEE MEMBER	\$ 1,425.00	\$ 2,723.57	\$ 2,742.86	\$ 3,600.00	\$ 857.14
204-55900-196	IN-SERVICE TRAINING	\$ 5,000.00	\$ 8,065.29	\$ 42.82	\$ 15,000.00	\$ 14,957.18
204-55900-201	EMPLOYEE BENEFIT SOCIAL SE	\$ 55,500.00	\$ 60,261.33	\$ 65,370.63	\$ 63,513.27	\$ (1,857.36)
204-55900-204	EMPLOYEE BENEFIT STATE RET	\$ 36,500.00	\$ 43,043.80	\$ 37,452.67	\$ 45,366.62	\$ 7,913.96
204-55900-207	EMPLOYEE BENEFIT MEDICAL I	\$ 69,480.00	\$ 80,976.00	\$ 73,869.09	\$ 91,260.00	\$ 17,390.91
204-55900-301	ACCOUNTING SERVICES	\$ 4,070.00	\$ 4,171.75	\$ -	\$ 4,200.00	\$ 4,200.00
204-55900-307	COMMUNICATION	\$ 45,729.00	\$ 24,324.13	\$ 25,428.43	\$ 30,000.00	\$ 4,571.57
204-55900-317	DATA PROCESSING	\$ 23,727.52	\$ 55,000.00	\$ 20,261.09	\$ 55,000.00	\$ 34,738.91
204-55900-320	DUES AND MEMBERSHIPS	\$ 3,830.99	\$ 4,664.86	\$ 6,457.30	\$ 4,800.00	\$ (1,657.30)
204-55900-321	ENGINEERING SERVICES	\$ 10,000.00	\$ 10,250.00	\$ -	\$ 10,250.00	\$ 10,250.00
204-55900-332	LEGAL NOTICES, RECORDING A	\$ 6,000.00	\$ 68.53	\$ 1,684.94	\$ 2,000.00	\$ 315.06
204-55900-335	MAINTENANCE REPAIR BUILDIN	\$ 2,900.00	\$ 2,972.50	\$ -	\$ 5,000.00	\$ 5,000.00
204-55900-336	MAINTENANCE REPAIR EQUIPME	\$ 159,890.00	\$ 159,890.00	\$ 52,774.89	\$ 159,890.00	\$ 107,115.11
204-55900-337	MAINTENACERPAIR OFFICE EQ	\$ 717.00	\$ 110.61	\$ -	\$ 1,500.00	\$ 1,500.00
204-55900-338	MAINTENANCE REPAIR VEHICL	\$ 30,000.00	\$ 10,948.76	\$ 30,186.87	\$ 15,000.00	\$ (15,186.87)
204-55900-348	POSTAL CHARGES	\$ 18,000.00	\$ 20,552.23	\$ 11,370.03	\$ 18,000.00	\$ 6,629.97
204-55900-355	TRAVEL	\$ 1,603.00	\$ 1,500.00	\$ -	\$ 2,500.00	\$ 2,500.00
204-55900-359	DISPOSAL FEES	\$ 6,500.00	\$ 5,729.34	\$ 8,885.37	\$ 8,885.37	\$ 0.00
204-55900-361	PERMITS	\$ 10,789.91	\$ 15,000.00	\$ 19,460.23	\$ 12,500.00	\$ (6,960.23)
204-55900-399	OTHER CONTRACTED SERVICES	\$ 13,596.75	\$ 13,907.50	\$ 27,789.38	\$ 15,000.00	\$ (12,789.38)
204-55900-415	ELECTRICITY	\$ 287,921.67	\$ 290,204.69	\$ 260,065.90	\$ 290,000.00	\$ 29,934.10
204-55900-425	GASOLINE	\$ 27,178.83	\$ 26,441.73	\$ 23,723.35	\$ 30,000.00	\$ 6,276.65
204-55900-434	NATURAL GAS	\$ 7,332.00	\$ 6,124.96	\$ 3,775.92	\$ 6,500.00	\$ 2,724.08
204-55900-435	OFFICE SUPPLIES	\$ 5,752.49	\$ 6,292.84	\$ 2,752.92	\$ 6,500.00	\$ 3,747.08
204-55900-450	TIRES AND TUBES	\$ 5,562.25	\$ 8,765.84	\$ 9,370.01	\$ 5,500.00	\$ (3,870.01)
204-55900-463	TESTING (WATER SAMPLES ETC	\$ 30,000.00	\$ 25,481.52	\$ 28,173.93	\$ 30,000.00	\$ 1,826.07
204-55900-468	CHEMICALS	\$ 145,337.00	\$ 182,017.82	\$ 151,530.84	\$ 175,000.00	\$ 23,469.16
204-55900-499	OTHER SUPPLIES AND MATERIA	\$ 215,000.00	\$ 304,461.32	\$ 491,262.99	\$ 300,000.00	\$ (191,262.99)
204-55900-506	LIABILITY INSURANCE	\$ 95,991.00	\$ 83,180.01	\$ 87,088.39	\$ 90,000.00	\$ 2,911.61
204-55900-514	DEPRECIATION	\$ 585,232.01	\$ 832,789.72	\$ 788,513.14	\$ 899,469.22	\$ 110,956.08
204-55900-599	OTHER CHARGES	\$ 50,000.00	\$ 38,403.27	\$ 138,646.42	\$ 50,000.00	\$ (88,646.42)
204-55900-603	INTEREST ON LOAN	\$ 106,081.00	\$ 131,080.00	\$ 102,945.96	\$ 131,080.00	\$ 28,134.04
204-55900-719	OFFICE EQUIPMENT	\$ 7,983.00	\$ 8,000.00	\$ -	\$ 8,000.00	\$ 8,000.00
Expense Total		\$ 2,806,382.39	\$ 3,342,730.01	\$ 3,343,161.58	\$ 3,507,096.96	\$ 163,935.38
Total		\$ 148,828.29	\$ 941,500.55	\$ 988,098.95	\$ 233,891.45	\$ (754,207.50)
					6.25%	

**PROJECT COSTS AND PURCHASE REQUEST
2020-2021 BUDGET YEAR**

Item Description	Loans/Project	Cash/Project	Depreciation	Interest Payments	Employees & Benefits
	\$ 5,255,105.00	\$ -	795,643.82	\$ 102,555.00	\$ 1,071,682.21
2.0 MG Water Tank Project	\$ 1,750,000.00	\$ -	\$ 43,750.00	\$ 28,525.00	
Flex Net CDBG		\$ 588,000.00	\$ 14,700.00	No Payment	
Shop Building		\$ 550,000.00	\$ 13,750.00	No Payment	
Planters Street Sewer Project		\$ 75,001.00	\$ 1,875.03	No Payment	
Chevrolet 1500 CR 4x4		\$ 28,751.90	\$ 5,750.38	No Payment	
100 Kw Generator		\$ 28,000.00	\$ 4,000.00	No Payment	
Water Tank Rehab (Tanks)		\$ 200,000.00	\$ 20,000.00	No Payment	
	\$ 1,750,000.00	\$ 1,241,752.90	\$ 103,825.41	\$ 28,525.00	\$ 1,131,885.24
Totals	\$ 7,005,105.00	\$ 1,241,752.90	\$ 899,469.22	\$ 131,080.00	\$ 60,203.03

EMPLOYEES SALARY AND BENEFITS
2021-2022 BUDGET YEAR

	3.00%	2.75%	2.50%	2.25%	2.00%	1.30%
204-55900-105 EMPLOYEE WAGES-SUPERVISOR	\$ 76,762.19	\$ 76,575.88	\$ 76,389.56	\$ 76,203.24	\$ 76,016.93	\$ 75,495.24
204-55900-162 EMPLOYEE WAGES-CLERICAL PE	\$ 148,125.54	\$ 147,766.01	\$ 147,406.48	\$ 147,046.95	\$ 146,687.42	\$ 145,680.75
204-55900-187 EMPLOYEE WAGES-OVERTIME PA	\$ 96,181.44	\$ 95,947.99	\$ 95,714.54	\$ 95,481.09	\$ 95,247.64	\$ 94,593.98
204-55900-188 EMPLOYEE WAGES-BONUS PAYME	\$ 14,450.00	\$ 14,450.00	\$ 14,450.00	\$ 14,450.00	\$ 14,450.00	\$ 14,450.00
204-55900-189 EMPLOYEE WAGES-OTHER SALAR	\$ 595,158.72	\$ 593,714.16	\$ 592,269.60	\$ 590,825.04	\$ 589,380.48	\$ 585,335.71
204-55900-201 EMPLOYEE BENEFIT SOCIAL SE	\$ 64,135.95	\$ 63,980.28	\$ 63,824.61	\$ 63,668.94	\$ 63,513.27	\$ 63,513.27
204-55900-204 EMPLOYEE BENEFIT STATE RET	\$ 45,811.39	\$ 45,700.20	\$ 45,589.01	\$ 45,477.82	\$ 45,366.62	\$ 45,366.62
204-55900-207 EMPLOYEE BENEFIT MEDICAL I	\$ 91,260.00	\$ 91,260.00	\$ 91,260.00	\$ 91,260.00	\$ 91,260.00	\$ 91,260.00
	<u>\$ 1,131,885.24</u>	<u>\$ 1,129,394.52</u>	<u>\$ 1,126,903.80</u>	<u>\$ 1,124,413.09</u>	<u>\$ 1,121,922.37</u>	<u>\$ 1,115,695.58</u>
Revenues without Grant / Loan	<u>\$ 3,740,988.42</u>	<u>\$ 3,740,988.42</u>	<u>\$ 3,740,988.42</u>	<u>\$ 3,740,988.42</u>	<u>\$ 3,740,988.42</u>	<u>\$ 3,740,988.42</u>
Expenses	<u>\$ 3,517,059.83</u>	<u>\$ 3,514,569.11</u>	<u>\$ 3,512,078.39</u>	<u>\$ 3,509,587.68</u>	<u>\$ 3,507,096.96</u>	<u>\$ 3,500,122.96</u>

5.99% 6.05% 6.12% 6.19% 6.25% 6.44%



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Water Resources

1221 South Willow Avenue
Cookeville, Tennessee 38506

Phone 931-520-6688

Statewide 1-888-891-8332

Fax 931-432-6952

February 10, 2021

Hartsville Water System
The Honorable Stephen Chambers,
Mayor City of Hartsville
P.O Box 66 (210 Broadway)
Hartsville Tennessee 37074

RE: **Community Water System**
Hartsville Water System
PWSID #0000291
Trousdale County

Dear Mayor Chambers:

On January 27-29, 2021 David Phillips from the Division of Water Resources visited Hartsville Water System and performed a Sanitary Survey. The survey consisted of a records review to document the operational performance of the system and an on-site inspection of the distributions system. The survey covered the time period from July 30, 2019 to January 27-29, 2021. The Division would like to thank you, Mr. Tommy McFarland, and staff for your courtesies, willingness to work with the Division, and timely responses to Division requests. In accordance with the Sanitary Survey Manual the Hartsville Water System earned 591 points out of a possible 599 points for a numerical score of ninety-eight per cent (98%). This rating retains the Hartsville Water System in the State's "**Approved**" category.

1. Section 4: Treatment

Sub Section R: Design Capacity

Consult 0400-45-01-.05,.10 "Whenever a public water system reaches eighty (80) per cent of the design capacity The supplier shall immediately obtain the services of a competent engineer to prepare plan documents for expansion of said system." The Hartsville WTP is currently operating at 92% of design capacity.

Assessment: Four (4) points

2. Section 6: Finished Water Storage

Sub Section B: Inspection and Maintenance of Tanks

Consult 0400-45-01-.17(16),(17), (33)and (34) "All Tanks and reservoirs must be properly maintained and secured." Tanks require proper interior and exterior maintenance to reach acceptable storage and safety levels. A review of the professional tank inspection performed detailed numerous issues with the maintenance of tanks in the distribution system.

Assessment: One (1) point

3. Section 8: Distribution System and Cross Connection Control

Sub Section D: Map of Distribution System

Consult 0400-45-01-.17(15) "All CWSs with 50 or more connections must have and maintain up-to-date maps of the distribution systems documenting locations and sizes of mains, valves, blow-offs or flush hydrants, air release valves and fire hydrants." An up-to-date map is required to pinpoint system requirements. A review of the map found that the current map of the system is not up to date showing all required components.

Assessment: Three (3) points

General Observations, Comments, and Other Recommendations

- 1 In accordance with Rule 0400-45-01-.14(1)(a), State approval for the analysis of free chlorine residua, turbidity, pH, alkalinity, and temperature is hereby granted to Tommy McFarland. This approval is effective until the next sanitary survey and is contingent upon proper operation of analysis equipment.
2. The Hartsville Water System now has 3,305 connections serving an estimated population of 8,725. The number of required bacteriological samples taken from the distribution system remains at ten (10) per month.

Again, I would like to thank the Hartsville Water System personnel for their assistance and courtesy. If you have any questions or need additional information, please contact David Phillips or me at the Cookeville Environmental Field Office. My telephone number is (931) 520-6688.

Sincerely,



Brad Ulmer
Environmental Field Office Manager
Division of Water Resources
Cookeville Environmental Field Office

Cc: Nashville Central Office
File

Sanitary Survey Rating

 PWSID:

 Water System Name:

 Survey Date:

 System Category (Points):

 421 - Consecutive Systems/Distribution Only
 488 - Treatment Systems/Wholesalers
 599 - Both Treatment and Distribution

1. System Management and Operation (94)

Requirement	Points Range	Deduction	Comments
A. Record Keeping 0400-45-01-.20	(0)	Narrative	OK
B. Construction Projects 0400-45-01-.05, 0400-45-01-.17	(1-5)		OK
C. Submission of Monthly Operations Reports 0400-45-01-.17	(0)	Narrative	OK
D. Reporting Requirements 0400-45-01-.18	(4-30)		OK
E. Public Notification 0400-45-01-.19	(3-10)		NA
F. Facility Maintenance Fee	(0)	Narrative	OK
G. Enforcement – TCA §68-221-701 et seq.	(4-10)		OK
H. Emergency Operations Plan 0400-45-01-.17	(3)		OK
	Deficiency Subtotal		

2. Operator Compliance (23)

Requirement	Points Range	Deduction	Comments
A. Certified Operator – Plant and Distribution System 0400-45-01-.17(1) and 0400-49-01-.04	(3-15)		OK
	Deficiency Subtotal		

3. Source (25)

Requirement	Points Range	Deduction	Comments
A. Source Adequacy 0400-45-01-.02, .05, .16, .17(13) and .34(3)	(3-5)		OK
B. Intake 0400-45-01-.05, .17	(2)		OK
C. Wellhead/Springbox Construction 0400-45-01-.05(12), .16 and .17(3) and (16)	(2)		OK
D. Source Protection Plans 0400-45-01-.34	(1-2)		OK
	Deficiency Subtotal		

4. Treatment (153)

Requirement	Points Range	Deduction	Comments
A. Aerator 0400-45-01-.05, .17	(2)		NA
B. Chemicals/Chemical Feeders 0400-45-01-.05(8), and .17, .36	(2)		OK
C. Mixing 0400-45-01-.02, .05, .17	(2)		OK
D. Flocculation 0400-45-01-.02, .05, .17	(2)		OK
E. Sedimentation 0400-45-01-.02, .05, .17	(2)		OK
F. Filtration/Alternative Technology 0400-45-01-.17(12) and (27)	(2-30)		OK
G. Re-wash/Filter-to-waste 0400-45-01-.17 (35)	(2)		OK
H. Turbidimeters/Calibration 0400-45-01-.05 (11).17, .31, .39	(2-4)		OK
I. Disinfection 0400-45-01-.02, .17, .31, .36	(2-30)		OK
J. Disinfection Contact Time 0400-45-01-.02, .17, .31	(2-4)		OK
K. Master Meter 0400-45-01-.17 (2) and (3)	(1-2)		OK
L. Maintenance of Equipment, Buildings and Grounds 0400-45-01-.02, .17(3), (17) and (19)	(1)		OK
M. Laboratory Facilities 0400-45-01-.02, .14, .17(3)	(1-3)		OK
N. Safety 0400-45-01-.02	(2)		OK
O. Sludge Handling/Backwash Handling 0400-45-1-.05	(2)		OK
P. Sanitary Conditions 0400-45-01-.17 (17)	(2)		OK
Q. Fluoridation Techniques 0400-45-01-.06, .12, .17	(2)		OK
R. Design Capacity 0400-45-01-.05 (10)	(2-4)	4	Ave. 92% of design capacity
S. Filter Backwash Recycling 0400-45-01-.31 (9)	(1)		OK
	Deficiency Subtotal	4	

5. Monitoring, Data Verification and Compliance (175)

Requirement	Points Range	Deduction	Comments
A. Laboratory-Process Monitoring (excluding Turbidity and Chlorine Residual) 0400-45-01-.17(3)	(5)		OK
B. Bacteriological Monitoring	(2-6)		OK
C. Bacteriological Compliance 0400-45-01-.06	(4-7)		OK
D. Turbidity Monitoring	(2-3)		OK
E. Turbidity Compliance	(4-7)		OK
F. Chlorine Residual Monitoring 0400-45-01-.17, .31, .36	(2-3)		OK
G. Primary Chemicals Monitoring	(2-3)		OK
H. Primary Chemicals Compliance	(4)		OK
I. Lead and Copper Monitoring 0400-45-01-.33	(2-3)		OK
J. Lead and Copper Action Level 0400-45-01-.33	(3-5)		OK
K. Disinfection/Disinfection By-Products and Precursors Monitoring 0400-45-01-.36, .37, .38	(2-3)		OK
L. Disinfection/Disinfection By-Products and Precursors Compliance 0400-45-01-.06, .36	(2-30)		OK
M. Secondary Chemicals 0400-45-01-.12	(2)		OK
N. Secondary Chemicals Compliance 0400-45-01-.12	(3)		OK
O. Cryptosporidium Monitoring 0400-45-01-.39	(0)	Narrative	OK
	Deficiency Subtotal		

6. Finished Water Storage (25)

Requirement	Points Range	Deduction	Comments
A. Adequate Storage 0400-45-01-.17 (14)	(2-4)		OK
B. Inspection and Maintenance of Reservoirs, Tanks and Clearwell 0400-45-01-.17 (16), (17), (33) and (34)	(1-10)	1	Tanks need proper maintenance to bring all to acceptable level.
	Deficiency Subtotal	1	

7. Pumps, Pump Facilities and Controls (18)

Requirement	Points Range	Deduction	Comments
A. Pump Facilities 0400-45-01-.17 (9) and (13)	(1-4)		OK
B. Maintenance of Pumping Equipment 0400-45-01-.17(13)	(1-3)		OK
	Deficiency Subtotal		

8. Distribution System and Cross Connection Controls (86)

Requirement	Points Range	Deduction	Comments
A. Notification, Inspection, Disinfection and Sample Collection of New or Existing Facilities 0400-45-01-.17 (8) and (19)	(3-5)		OK
B. Flushing Program/Blow Offs 0400-45-01-.17(10) and (23)	(3-4)		OK
C. Fire Hydrants 0400-45-01-.17 (18)	(0)	Narrative	OK
D. Adequate Pressure 0400-45-01-.17 (9)	(5)		OK
E. Map of Distribution System 0400-45-01-.17 (15)	(3)	3	Need current official system map.
F. Approved Cross Connection Policy or Ordinance and Plan 0400-45-01-.17 (6)	(4)		
G. Working Cross Connection Program 0400-45-01-.17(6)	(3-9)		
H. Unaccounted Water Loss	(0)	Narrative	
	Deficiency Subtotal	3	

Total Deficiency Points: 8

Points Available: 599

Overall Rating: 98

Points Available

421 - Consecutive Systems/Distribution Only
 488 - Treatment Systems/Wholesalers
 599 - Both Treatment and Distribution

Inspector:

David Phillips

Additional Comments/Explanations:

--

PUBLIC WATER SYSTEM DATA

PWSID NUMBER

Name of Water System:	Hartsville-Trousdale Water/Sewer Utility District	0000291
Mailing Address: P.O. Box 66 (210 Broadway)		
City: Hartsville	County: Trousdale	
Zip Code: 37074	Office Phone: (615) 374-3484	Plant Phone: (615) 374-3529

Title of Person	Name	Certification	Interviewed	Correspondence
Mayor	Stephen Chambers			X
Chairman	Hattie McDonald			X
Superintendent	Tommy McFarland	DS-2	X	X
Plant Operator	Kenneth Gregory	WT-4/DS-1	X	
Certified Operator	Brian Long (615)-633-3125			

Bacteriological Samples: Ten (10) per month		intake location			mark one		treatment												
Source		USGS Map			s	g	p	a	p	c	s	f	c	s	t	i	f	d	
		LATITUDE			u	r	u	e	r	o	a	i	o	o	n	n	n	n	
		LONGITUDE			r	f	r	a	c	e	n	d	a	s	e				
		River mile:			a	c	e												
No		NAME	Deg	Min	Sec														
1	R	Cumberland River	36	22	25	X				X	X	X	X					X	X
	A		86	10	44														
2	R																		
	A																		
3	R																		
	A																		

Name of Systems Served by this System	Other Systems Connected to this System
Castalian Springs - Bethpage U.D.	
South Side Utility District #1	
Cordell Hull WS	
LaFayette Water System	

Plant Classification: WT-3	
Distribution Classification: DS-1	
Design Capacity: 2.211 MGD	Filter Area: 384 (sq.ft.)
Raw Water Pump Capacity: 2@1400 (gpm)	Filter Rate: 4 (gpm/ft ²)
Distribution Storage, gravity flow: 2,875 (million gallons) includes clearwells	Finished Water Pump Capacity: 2@1400 (gpm)
Clearwell Capacity: 0.225 (million gallons)	Emergency Power Only:
Date of Last Inorganic Chemical Analysis (Sodium): 6/4/13	Date Cross-Connection Plan Approved: 3/16/07
Date of Last SOC Chemical Analysis: 7/14/03	Date of Last VOC Chemical Analysis: 5/15
Date Emergency Plan Approved Last: 9/1/11	Date of Last Radionuclide Analysis: 7/17/03
Date DMP Approved: 6/14/11	
Number of Wholesale Customers: 1	
Last Nitrate Analysis: 4/15	Note: Enforcement in 2011

Date of Survey	Number of Connections	Household Factor	Population Served	Average Daily Pumpage (million gallons)	Maximum Daily Pumpage (million gallons)	Surveyed By	Rating	Year
1/27-29	3,305	2.64	8,735	2.040	2.678	DCP	98	2021
7/30	3,086	2.64	8,147	1.086	1.505	LSM	96	2019
6/28-29	3,051	2.64	8055			DCP	94	2018
6/20	3,423	2.64	9,036	0.919	1.531	TAK	99	2016
9/23-25	3,309	2.64	8,736	0.838	1.283	MS	94	2014
6/12-13	3,283	2.64	8,667	0.950	1.803	WWS/MS	99	2012
5/10,11,&13	3,251	2.55	8,290	0.765	1.125	MPM/TAK	98*	2011
5/25-27	3,200	2.55	8,160	0.769	1.190	TAK/MPM	97	2010
3/24-26	3,064	2.55	7,813	0.939	1.565	WS/MS	98	2009