



P.O. BOX 850 | COWETA, OKLAHOMA 74429 | PH. (918) 486-2189 | FAX (918) 486-5366 | www.cityofcoweta-ok.gov

AGENDA - SPECIAL MEETING
COWETA CITY COUNCIL

COWETA CITY HALL, 310 S. BROADWAY
MONDAY, MARCH 18, 2024 6:00 P.M.

MEETING PROCEDURE: Comments on all scheduled agenda items will be heard immediately following the presentation by staff or the petitioner. Please wait until you are recognized by the Mayor and keep your comments as brief as possible. Individuals addressing the City Council must identify themselves by name prior to making any comments. The City Council will consider, discuss, and may take action on, approve, adopt, amend, reject, deny, table, or not take action on any item listed on this agenda after comments from staff and the City Council have been heard.

I. CALL TO ORDER

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL

NAOMI HOGUE_____

HAROLD CHANCE_____

CAROLINE MARTIN_____

JOE CASH_____

RANDY WOODWARD_____

IV. ADMINISTRATION

1. ENGINEERING AGREEMENT - SKYVIEW TOWER MODIFICATIONS AND PAINTING

DISCUSSION AND APPROPRIATE ACTION RELATED TO THE APPROVAL OF AN AGREEMENT WITH WDB ENGINEERING, P.L.L.C. FOR ENGINEERING SERVICES RELATED TO THE SKYVIEW TOWER MODIFICATIONS AND PAINTING IN AN AMOUNT NOT TO EXCEED \$52,000.00 AND AUTHORIZE THE CITY MANAGER TO EXECUTE A CONTRACT AND ANY OTHER DOCUMENTS RELATED TO THE SERVICES TO BE PROVIDED.

Documents:

[240318-STAFF REPORT ENGINEERING CONTRACT SKYVIEW TOWER REHAB.PDF](#)
[ENGINEERING AGREEMENT.PDF](#)
[SKYVIEW TOWER PROJECT COST ESTIMATE.PDF](#)
[CITY OF COWETA SKYVIEW TOWER INSPECTION REPORT.PDF](#)
[2024-01-03-DEQ NOV NO. P-1021509-24-1.PDF](#)

V. ADJOURNMENT

IF YOU REQUIRE A SPECIAL ACCOMMODATION PURSUANT TO THE AMERICANS WITH DISABILITIES ACT,
PLEASE NOTIFY CITY HALL BY 9:00 A.M. ON THE DATE OF THE MEETING.



POST OFFICE BOX 850 • COWETA, OKLAHOMA 74429 • PH. (918) 486-2189 • FAX (918) 486-5366 • www.cityofcoweta-ok.gov

Memorandum

To: Honorable Mayor and City Council
From: Julie Casteen, City Manager
Re: Engineering agreement for Skyview Water Tower project
Date: March 14, 2024

BACKGROUND

A recent inspection of the Skyview water tower revealed several deficiencies that will require major maintenance and repairs. Our City Engineer estimates the cost of the project to be approximately \$836,000.

This inspection was completed in response to a Notice of Violation (NOV) issued by the Oklahoma Department of Environmental Quality on January 3, 2024.

We intend to apply for a CDBG grant to help with the cost of the project. The grant would pay for up to 50% of the cost (\$418,000). To submit an application, we must have our engineering plans and permit from ODEQ in hand by May 3, 2024.

The attached agreement with WDB Engineering is for preparing the engineering plans for submittal with the grant application. Even if we are unsuccessful in obtaining the grant, the engineering documents are still needed to complete the repairs.

STAFF RECOMMENDATION

Staff recommends approval of an Engineering Services agreement with WDB Engineering at a cost not to exceed Fifty-Two Thousand Dollars and no/100 (\$52,000.00) for engineering design, bidding, and construction management services related to the Skyview Water Tower project.

ATTACHMENTS:

Engineering agreement between WDB Engineering, P.L.L.C. and City of Coweta
Project Cost Estimate
Skyview Tower field inspection report
NOV P-1021509-24-1



WDB ENGINEERING P.L.L.C.

6330 S.E. 74th Street
Oklahoma City, OK 73135
PHONE (405) 741-7090
FAX (405) 741-7094
wdbengineering.net

March 13, 2024

City of Coweta
Attn: Julie Casteen
310 S. Broadway Street
Coweta, OK 74429

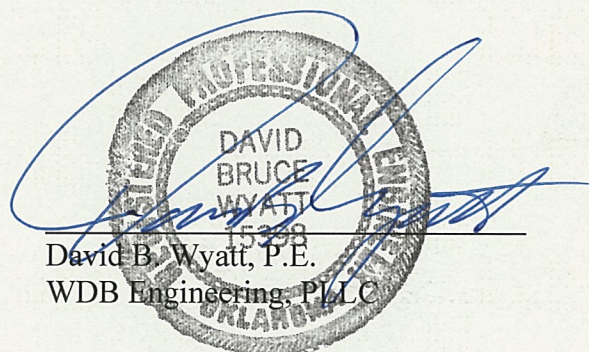
Re: Agreement for Engineering Services
Sky View Tower Modifications & Painting
CDBG Project

Dear Julie,

We propose to perform the design engineering services on the above-mentioned project for a fixed fee of \$52,000.00. This shall include preparing approvable engineering plans and specifications, an engineering report for CDBG, and cost estimates. We will also prepare the construction bidding documents and assist in taking bids, making an award, and providing general construction administration for one prime contract.

Julie Casteen
City Manager
City of Coweta

David B. Wyatt, P.E.
WDB Engineering, PLLC





WDB ENGINEERING P.L.L.C.

6330 S.E. 74th Street
Oklahoma City, OK 73135
PHONE (405) 741-7090
FAX (405) 741-7094
wdbengineering.net

March 11, 2024

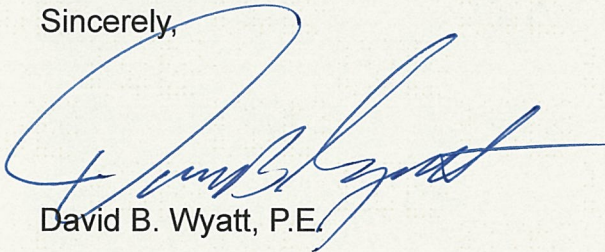
Julie Casteen
City Manager
City of Coweta

Re: Skyview Tower Modifications and Painting

Dear Julie,

Attached is an estimate of cost for the Skyview Tower modifications and painting project. Should you want to move forward with the CDBG grant we will need to move quickly in order to obtain permits by the submission dead line. If you should have any questions, please call.

Sincerely,



David B. Wyatt, P.E.

**Project Cost Estimate
Skyview Tower Modifications and Painting
For City of Coweta**

1. 12" Repad & 2 nd Tank Connection	1 Ea.	\$15,000
2. 12" Valve	2 Ea. @ \$3,000	\$6,000
3. 12" Tapping Sleeve	1 Ea.	\$4,000
4. 12" Tapping Valve	1 Ea.	\$4,000
5. 12" DIP Piping	300 L.F. @ \$200/L.F	\$60,000
6. 12" Fittings	L.S.	\$10,000
7. Polywrap for Pipe & Fittings	L.S.	\$4,000
8. Sand Bedding	L.S.	\$4,000
9. Sandblast Interior & Repaint With Zinc Primer & 2 Coats Epoxy	L.S.	\$300,000
10. Power Wash & Overcoat Exterior With Urethane Bond & Fluoropolymer Topcoat	L.S.	\$150,000
11. Logo	L.S.	\$4,000
12. Interior Passive Mixing System	L.S.	\$85,000

Subtotal Construction	\$646,000
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Contingency	\$64,000
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Engineering	\$52,000
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Inspection	\$40,000
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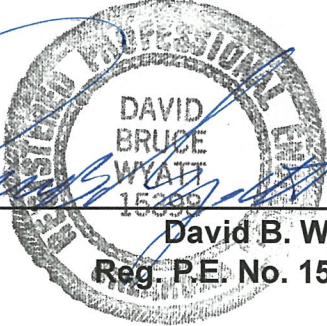
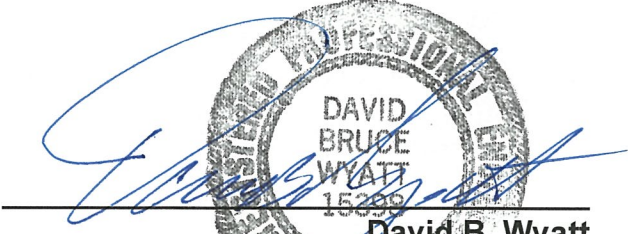
ODEQ Permitting & Advertising	\$1,000
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CDBG Admin	\$33,000
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Total Project Cost	\$836,000
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CDBG	\$418,000
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Local Match	\$418,000
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David B. Wyatt
Reg. P.E. No. 15398

Taylor Pate
P.O. BOX 8
Collinsville, OK 74021
Cell (918) 728-4849

FIELD INSPECTION REPORT

**TULSA
DIVERS**



DATE: 02/28/2024

INSPECTOR: Derrick Evans

WATER DEPARTMENT: City of Coweta

Tower Identification: Skyview Tower

WATER CLARITY: Good

SILT DEPTH: 1"- 1 ½"

SILT DISCRIPTION: Secondary Flock

FOREIGN MATTER: None

FIELD INSPECTION REPORT

Water Department: City of Coweta

Tower Identification: Skyview Tower

COATING AND RUSTING CONDITION:

Ceiling Area: Minor Oxidation and Corrosion

Top 1/3: Significant Rust

Middle 1/3: Significant Rust

Bottom 1/3: Significant Rust

Exterior Coating and Tower Condition

Hatch: Secured with a Lock

Overflow Pipe: Functional

Coating: Minor Oxidation and Corrosion

Vent Screen: Intact

Ladder: Caged with Locking Gate

Fence: Site Fully Fenced

Foundation: Good

Manway: Secured

Additional comments:

Cleaning: \$3,100

January 3, 2024

CERTIFIED MAIL, RETURN RECEIPT REQUESTED

Lisa Taylor, Interim City Manager
City of Coweta
P.O. Box 850
Coweta, OK 74429

Re: Notice of Violation ("NOV") No. P-1021509-24-1
Sanitary Survey on December 7, 2023 – Final Report
PWSID No. OK1021509

NOTICE OF VIOLATION

Dear Mayor Hogue:

Pursuant to 27A O.S. § 2-3-502 and the Oklahoma Administrative Code ("OAC") 252:4-9-1, this is to provide you with notice of apparent violations of the Oklahoma Environmental Quality Code identified by the Oklahoma Department of Environmental Quality ("DEQ"). This Notice of Violation ("NOV") is to inform you that you have failed to adequately maintain, operate, and/or staff your public water supply ("PWS") in accordance with OAC 252:621, 252:626, 252:710, and/or 252:631 (which incorporates by reference Title 40 of the Code of Federal Regulations ("C.F.R.") Part 141).

On December 7, 2023, personnel from DEQ's Public Water Supply Engineering and Enforcement Section ("PWSES"), Water Quality Division ("WQD"), conducted a sanitary survey inspection of the City of Coweta PWS. Representing the PWSES was Brent Polise, E.I., District Representative. Personnel representing the PWS during the sanitary survey inspection were Lisa Taylor, Interim City Manager; Ronny Dooling, Public Works Director; Lee Baucom, Water Superintendent; Keldon Valladao, Lead Operator; and Charles Schneider, Consultant, OMNI Water Consultants, Inc.

During the sanitary survey inspection, the following violations that require immediate correction were identified:

1. **OAC 252:626-9-11(a)(4)** – The water treatment plant ("WTP") did not provide adequate contact time for primary disinfection (i.e., log inactivation of pathogens).
2. **OAC 252:626-9-11(b)(6)** – The system was not continuously measuring and recording point of entry ("POE") chlorine residuals.
3. **OAC 252:631-3-10(4)(E)** – The finished water phosphate residual level was not tested at least once a day and recorded on the monthly operational report.

Within thirty (30) days of receipt of this NOV, the PWS must correct violations numbered 1 through 3 and provide DEQ a written response documenting their correction.

In addition to violations listed above that require immediate correction, the following violations require an approvable Corrective Action Plan (“CAP”):

4. **40 C.F.R. § 141.571(a)** – The past three (3) years of individual filter effluent (“IFE”) turbidity data was not available for review.
5. **OAC 252:626-5-5** – The system did not maintain either a sufficient volume of water to supply twenty-four (24) hours of average demand to the distribution system or a standby means for providing electrical power to allow continued operations during a power failure.
6. **OAC 252:626-7-2(C)(i)** – During the inspection, the operations staff could not verify whether the fixed intake structure had at least three (3) separate and operational inlet levels. Having three (3) separate intake levels is a requirement of the rule.
7. **OAC 252:626-7-2(8)** – During the inspection, the operations staff could not verify whether the intake structure was equipped with a bar screen or trash rack. Having a trash rack or screen protecting the intake works is a requirement of the rule.
8. **OAC 252:626-9-9(d)(3)(B)(xiv) and OAC 252:631-3-1(a)** – The filters were not equipped with functioning instantaneous rate of flow meters.
9. **OAC 252:626-15-3(a)(1) and OAC 252:631-3-1(a)** – There was a lack of redundancy at the raw water pump station along the Verdigris River. One pump was non-functional due to an air release valve that had been sheared off.
10. **OAC 252:626-17-1(a) and OAC 252:631-3-1(a)** – According to the 2021 inspection report from Steward Tank Consulting, Inc., the Skyview Tower’s internal coating on the sidewall, roof, and area above the high-water level is a catastrophic failure. Steel pitting and loss were evident throughout the tank sidewall. The steel tank was not protected against corrosion.
11. **OAC 252:631-3-1(a)** – Due to a lack of documentation such as maintenance records or inspection reports, the condition of the Skyview Tower, East Clearwell, and West Clearwell hatches, vents, roofs, and interiors could not be verified.
12. **OAC 252:631-3-1(a)** – The retention plates on the filter troughs had been removed. Therefore, each filter unit was not maintained to provide treatment of the water in accordance with the purpose for which the units were designed and according to the terms of their permits.

Within thirty (30) days of receipt of this NOV, the PWS must either correct all violation(s) or provide an approvable CAP for the violation(s) cited above. The CAP must include an approvable schedule of dates for when each of the violation(s) will be corrected.

Your failure to either correct the violation(s) cited above or to notify DEQ and demonstrate your intent to correct these violations, through an approvable CAP, will result in an escalated enforcement action against you. State statutes provide that DEQ may seek injunctive relief and/or issue an Order under which corrective action may be ordered and administrative penalties assessed.

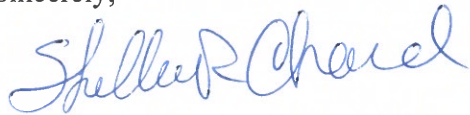
If any of violations numbered 1 through 3 cannot be corrected within thirty (30) days, the written response must include (i) an explanation as to the reason(s) why the violation(s) cannot be corrected within thirty (30) days and (ii) inclusion of the violation(s) in the approvable CAP with an approvable schedule of dates for when the violation(s) will be corrected.

Submit all required documentation to the District Representative below:

Brent Polise, E.I., District Representative
Public Water Supply Engineering and Enforcement Section
Oklahoma Department of Environmental Quality
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

If you have any questions about the requirements of this NOV, or if you believe the violations have been cited in error, please contact Brent Polise, E.I., District Representative, PWSES, WQD, at (405) 702-8246 or at the letterhead address. Thank you for your time and attention to this matter.

Sincerely,



Shellie R. Chard, Director
Water Quality Division
Oklahoma Department of Environmental Quality

City of Coweta PWS
NOV No. P-1021509-24-1
Sanitary Survey on December 7, 2023 – Final Report
PWSID No. OK1021509
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City of Coweta Public Water Supply
Sanitary Survey on December 7, 2023 – Final Report
NOV No. P-1021509-24-1
PWSID No. OK1021509

A. INSPECTION SUMMARY

This document, in conjunction with Notice of Violation (“NOV”) No. P-1021509-24-1, serves as the final report for the sanitary survey conducted at the City of Coweta (“City”) public water supply (“PWS”) system on December 7, 2023. The purpose of the sanitary survey was to identify existing sanitary deficiencies, verify compliance with state and federal regulations, and benchmark system performance. Sanitary surveys are a mandated component of the Safe Drinking Water Act and consist of an evaluation of the following eight (8) elements:

- Water source;
- Water treatment;
- Distribution system;
- Finished water storage;
- Pumps, pumping facilities, and controls;
- Monitoring, reporting, and data verification;
- Water system management and operation; and
- Operator compliance with state requirements.

After informing the City of the upcoming inspection on October 20, 2023, personnel from the Oklahoma Department of Environmental Quality’s (“DEQ”) PWS Engineering and Enforcement Section (“PWSES”), Water Quality Division (“WQD”), performed the inspection portion of the sanitary survey and evaluated each of the eight (8) elements listed above. The personnel representing the PWSES during the survey were:

- Brent Polise, E.I., District Representative – Lead Inspector

The personnel representing the City during the survey were:

- Lisa Taylor, Interim City Manager
- Ronny Dooling, Public Works Director
- Lee Baucom, Water Superintendent
- Keldon Valladao, Lead Operator
- Charles Schneider, Consultant, OMNI Water Consultants, Inc.

Description of Facilities

The City is in Wagoner County and serves a total population of 10,456 people according to the 2022 census. At the water treatment plant (“WTP”), the City’s PWS system consists of a raw water reservoir, three (3) rapid mix basins, three (3) two-stage flocculation basins, two (2) sedimentation basins with plate settlers, four (4) multi-media rapid rate gravity filters, a disinfection basin, two (2) onsite storage facilities (East and West Clearwells), three (3) high service pumps, two (2) residuals basins, and a belt press. In the distribution system, there is one (1) ground storage tank (Skyview Tower) and one (1) booster pump station (Skyview Pump Station). They are both in the same location. Chemicals applied include chlorine gas for primary and secondary disinfection, an ACH polymer blend for coagulation, and a blended phosphate for both corrosion control and sequestration of manganese.

Raw water is collected at an intake structure on the Verdigris River before it is pumped to the raw water reservoir at the WTP. Raw water is pumped from the plant reservoir to the rapid mix basins, where the ACH polymer blend is fed into the basins for coagulation. Downstream of the rapid mix basins, water flows into the two-stage flocculation basins. After flocculation, the flow continues through the sedimentation basins before filtration. Downstream of filtration, a blended phosphate is added for corrosion control and sequestration of manganese. Water then flows into a disinfection basin upstream of each Clearwell before it is pumped to the distribution system via the operation of the high service pumps. Normally, there is a small dosage of chlorine gas fed into the disinfection basin, but due to an issue with the plumbing entering into the basin, a high dosage of chlorine (greater than 4.0 parts per million (ppm)) is currently added upstream of the high service pumps before the finished water is pumped into the distribution system. In the case of emergency, the City has a connection with Wagoner County Rural Water District No. 5 that can be utilized.

B. DEFICIENCIES

During the sanitary survey, the PWSES identified sanitary deficiencies. **Each deficiency that was identified during the inspection** is considered a violation by DEQ.

In the NOV, the violations identified as requiring immediate correction are significant deficiencies. These are violations numbered 1 through 3. **All the violations cited in the NOV are deficiencies, significant or otherwise, and require corrective action according to the directions included in the NOV.**

In addition to the violations cited in the NOV, DEQ identified other instances of noncompliance that do not require corrective action at this time. These instances of noncompliance may be inherent to the PWS system design and do not appear to pose a sanitary risk. Furthermore, DEQ records do not indicate that these instances of noncompliance have adversely affected PWS system operations or caused noncompliance with federal drinking water standards. While no corrective action or response concerning these instances of noncompliance is required at this time, their correction should be considered as a component of any long-term PWS planning. The instances of noncompliance identified during the survey are listed below:

- **OAC 252:631-3-1(a)** – During the filter backwash cycle, it appeared that the section of the filters between the troughs and the sidewalls did not have the required piping for air scour. During the air scour, bubbling at the water surface only occurred in the center of the filters.

In addition to the above deficiencies, DEQ received a complaint on October 10, 2023, regarding alleged falsification of water treatment plant records by City staff. Failure to comply with all applicable monitoring, reporting, and analytical requirements in 40 C.F.R. Part 141 is a violation of OAC 252:631-3-1(c). During the inspection, it was noted that the City Manager, Public Works Director, Water Superintendent, and Lead Water Operator had all been replaced in 2023, and none of the individuals currently in these positions worked for the City at the time of the allegations. A review of monthly operational reports and laboratory notebooks during the sanitary survey inspection also revealed that City staff have been conducting appropriate process control testing and monitoring since

July 2023. Follow-up concerning the allegations of records falsifications will be handled in a separate investigation.

C. RECOMMENDATIONS

Based on inspection findings and industry best practices, the following recommendations are made. While neither requirements nor deficiencies, these recommendations may help the PWS more reliably achieve regulatory compliance and optimize water treatment processes and PWS operations. No response to these recommendations is required.

- Water Source
 - Monitor raw water quality at different depths of the water source.
 - Schedule routine inspections and maintenance of intake structures to help ensure all functions of the intake structure are operational.
- Water Treatment
 - Calibrate all flow meters at the WTP to ensure measurements and dosages are accurate.
- Distribution System
 - Install dedicated sample taps for water quality monitoring that are owned and maintained by the system.
 - Create and implement a valve exercise program, complete with a schedule to repair or replace all broken or inadequate valving.
 - Create and implement a formal flushing program. Record the volume of water flushed and the chlorine residual measured before and after flushing.
 - Continue to update distribution asset inventory and location information with pictures and GPS information. Having an up-to-date, easily understood, and accessible inventory of all lines, valves, and hydrants, is an important component of system operations and resiliency.
- Finished Water Storage
 - Conduct a visual inspection of each storage tower annually and a comprehensive inspection, with reports kept and made available for review, every three (3) years according to guidance from the American Water Works Association.
 - Ensure that all finished water storage inspections conducted by third party entities result in the system having written and photographic documentation of the storage tank complying with DEQ construction standards.
- Monitoring, Reporting, and Data Verification
 - Periodically verify and document that the water treatment plant is achieving 0.5-log inactivation of Giardia and 2.0-log inactivation of viruses through disinfection by calculating the residual disinfectant concentration and corresponding disinfectant contact time.

- Upgrade the existing supervisory and data acquisition (“SCADA”) system to provide increased data management capabilities and to allow for automated controls.
 - Rotate the daily phosphate residual testing location so that each point of entry and different parts of the distribution system are tested weekly.
 - Prior to collecting lead and copper compliance samples, reevaluate the pool of sample site locations to ensure representative sampling.
 - Periodically verify that the pocket colorimeter is properly calibrated using secondary standards.
- Water System Management and Operation
 - Tracking water loss is recommended as an important component of operating the water system. Water losses, both real and apparent, represent a loss of revenue for the system and wasting of a valuable resource.
 - Establish and maintain a long-range capital improvements plan specific to the WTP.
 - Develop and implement a cross-connection control program. Assess whether any specific connections in the distribution system merit a special backflow prevention device and implement accordingly.
 - Develop written standard operating procedures for routine tasks to assist current and future operators.
 - Draft and/or update all emergency response plans. These plans may address contaminant back-siphon events, extreme weather events, power outages, chlorine gas leaks, and water outages.
 - Maintain a list of critical and vulnerable customers to help protect those customers to whom a loss of water service or change in water quality may impact most.
 - Encourage governing officials to attend specific training for water system management. Having this knowledge allows officials to make informed decisions regarding expenditures and operational strategies. Classes concerning capacity development and water system sustainability are also available, and DEQ or ORWA can assist interested officials with accessing this training.

If there are any questions or comments regarding the findings of the sanitary survey or the required follow-up actions, please contact me at (405) 702-8246 or at the letterhead address.

Sincerely,



Brent Polise, E.I., District Representative
Public Water Supply Engineering and Enforcement Section
Water Quality Division

BP: MS:GR:GC:OS:HC

RH:ST:SC

City of Coweta PWS
Sanitary Survey on December 7, 2023 – Final Report
NOV No. P-1021509-24-1
PWSID No. OK1021509
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ec: The Honorable Naomi Hogue, Mayor, City of Coweta
 Ronny Dooling, Public Works Director, City of Coweta
 Dakota McNeill, Regional Manager, ECLS, DEQ
 Amber Keller, Environmental Specialist, ECLS, Tulsa DEQ Office