



Norris Water Commission

Monday, June 17, 2024, 6:00 P.M.

- I. Call to Order
- II. Approve the Agenda
- III. Hear the Public
- IV. Minutes
 - M-1: Consideration of Approving May 20, 2024 Regular Meeting Minutes
- V. New Business
 - N-1: 4th July Events
 - N-2: TDEC Annual Cap Letter
- VI. Continuing Business
 - O-1: Update on the Status of the Benny Carden Memorials
 - O-2: Update on Activities at the Water Treatment Plant
 - O-3: Update on Activities at the Wastewater Treatment Plant
 - O-4: Update on the Water Distribution System
 - O-5: Update on the Sanitary Sewer Collection System
 - O-6: Update on Cross Connection Management System
 - O-7: Update on the Galvanized Pipe Project
 - O-8: Update on the Wastewater Regionalization Study
 - O-9: Update on the Alternative Water Supply Study
- VII. Reports
 - R-1: Superintendent May Report
 - R-2: May Financial/Budget/CIP Report
 - R-3: May Unaccounted-for Water Report
- VIII. Adjournment



NORRIS WATER COMMISSION MEETING MINUTES

May 20, 2024

Members Present: Loretta Painter, Will Grinder, Bill Grieve, Mayor Chris Mitchell and Charles Nicholson

Absent:

Water Superintendent: Tony Wilkerson

- I. **Call to Order:** The meeting was called to order by Chuck Nicholson at 6:00 pm.
- II. **Approval of the Agenda** – No action was taken at this time.
- III. **Hear the Public** – No public input.
- IV. **Minutes**
 1. **April 15, 2024 NWC Minutes**

A motion was made by Bill Grieve and seconded by Loretta Painter **to approve the April 15, 2024 meeting minutes** as presented.
The proposal passing on a vote of 3 to 0 as follows:
Yes: Loretta Painter, Bill Grieve, Chris Mitchell
Abstain: Chuck Nicholson, Will Grinder
- V. **New Business**
 1. **Norris Day**

Superintendent Wilkerson spoke on plans for hosting a booth again this year for the event.
 2. **SRF Applications**

Adam Ledford notified the Board that copies of SRF letters were in their packet and explained how certain projects were selected to move forward.
- VI. **Old Business**
 1. **Benny Carden Memorial**

Superintendent Wilkerson reported materials were on order and should arrive the week of June 7th. The need to organize a dedication was discussed.
 2. **Activities at the Water Treatment Plant**

Superintendent Wilkerson reported the telemetry is still being tested. He further reported the chart reporter has failed. An older model is being used until a new reporter can be acquired. The high service pump #1 had required repairs over the last month.
 3. **Activities at the Wastewater Treatment Plant**

Superintendent Wilkerson warned the Board that bypass violations will be reported for the month of May during the July meeting. His report concluded with an explanation of the upcoming visit from the EPA related to successes at the facility.

4. **Water Distribution**
Superintendent Wilkerson updated on a recent tap and repairs of a fire hydrant.
5. **Sanitary Sewer Collection System**
Superintendent Wilkerson reported on plans to do work on Pine and East Circle.
6. **Cross Connection Management System**
Superintendent Wilkerson reported the annual process is completed. He reported that he now has 2 certified in this area.
7. **Galvanized Pipe Project**
Superintendent Wilkerson reported he had completed about 25% of the survey required as part of the deadline later this year.
8. **Wastewater Regionalization Study**
Adam Ledford reported that a launching meeting for all stakeholders was scheduled for June 4th, further details would be provided by email.
9. **Alternative Water Supply Study**
No comments of action taken on this topic.

VII. **Reports**

1. **Superintendent Report:** The report is herein attached as part of these minutes. Superintendent Wilkerson shared repairs to the backhoe.
2. **April Financial/Budget Report:** The report is herein attached as part of these minutes. Adam Ledford presented details of the proposed.
3. **April Unaccounted-for Water Report:** The report is herein attached as part of these minutes.

VIII. **Adjournment: 7:19 p.m.,** Motion by Bill Grieve and seconded by Loretta Painter to adjourn, All: AYE



June 17, 2024

Michael Lancaster
Environmental Consultant
Division of Water Resources
312 Rosa L. Parks Avenue
Nashville, Tennessee 37243

RE: CAP WPC21-0149 Norris, Tennessee

Dear Mr. Lancaster,

Regarding Director's Order WPC21-0149, the Division approved a Corrective Action Plan and Engineering Report (CAP/ER) on June 6, 2022 for Norris Water Commission (NWC) in Norris, TN. Per the approval from the Division, NWC is to submit annual milestone updates for review. In accordance with this request, NWC has previously provided updates to the Division in November 2022, June 2023, and February 2024.

Please see below for a brief status update as of the second annual milestone date of June 30, 2024. The following items are all current or recent actions taken by NWC.

1. Norris is in the design phase of construction documents to target sewer rehabilitation improvements to the worst areas of the sewer system. This project will use ARPA funds and will be Norris' first construction project related to addressing CAP items. Construction is anticipated to start before the end of 2024.
2. Norris submitted a request to delay the implementation of short-term improvements to the WWTP. This request was granted by TDEC to allow

Norris to conserve funds towards other WWTP improvements, to be considered in the TDEC Competitive Regionalization grant.

3. Norris has pursued a variety of funding sources for the CAP action items and remain committed to securing the necessary monies.
 - a. Norris proactively applied for and received a Competitive grant from TDEC using ARPA funds to address regionalization in the Northeast Anderson County area. This grant partners with Clinton Utilities Board (CUB), Anderson County Water Authority (ACWA), and the county government in order to take a proactive approach to solving both Norris' wastewater concerns, as detailed in the CAP, and consider partnering and planning for the future of the larger region. The grant includes a planning and design process for treatment plant improvements.
 - b. Norris has reserved a total of \$940,140 to address I&I issues, including \$682,896 of direct ARPA allocations and \$257,244 of redirected Anderson County ARPA funds.
 - c. Norris submitted applications for the 2023 State Revolving Fund (SRF) loan cycle for I&I Correction and WWTP Improvements. TDEC ranked the WWTP Improvement project 2nd and the I&I Corrections 33rd on their priority list of statewide projects. On April 15, 2024, TDEC sent out their funding notification to the City of Norris. In response, Norris has submitted a funding request letter for these projects on May 15, 2024.

If you have any questions or would like to meet to discuss this proposed modification, please contact the City Manager, Adam Ledford, at (865) 494-7645.

Respectfully,

Charles P. Nicholson
Chairperson, NWC

Chris Mitchell
Mayor, City of Norris

VI. Continuing OLD Business:

0-1: Benny Carden Memorial: Supt. Wilkerson reports the plaque has been received and a frame is being built and donated for installation, then it can be placed in the Norris Community Building.

0-2: WTP-Telemetry/Tank Project: Supt. Wilkerson reports no new updates, reviewing is still under investigation, currently NWC is back to hardwire telemetry. Also see #6-Supt Report

0-3: WWTP: Update on the following Directors Order/ City Council Update, CCI up-date-Open for Discussion

SEWER Rehab Projects:

Short Term STP Upgrades: (July 2024)

Letter of REQUEST to TDEC requesting of delaying SHORT-TERM Improvements was APPROVED by Michael Landcaster, TDEC as long as effluent results are in compliance.

Also see #5 Supt Report pertaining to WWTP

0-4: Distribution System: See #7 in Supt Report

0-5: Collection System:

- Customer identified sites-Completed by customers- Response: _18_Qty-continuing to communicate with customers
- NWC is reviewing Public Identified issues/NWC side
- On-going

0-6: Cross Connection: (RPBP) working progress for next several months by Operators Xan Ridenour and Cameron Scott

0-7: Galvanized Pipe replacement/Eliminate Projects

- **NWC IS -IN PROGRESS**, Final inventory is required to be developed and submitted to TDEC no later than Oct. 16, 2024
- **LSLI GRANT APPLICATION: \$250,000**-Received

0-8: Wastewater Regionalization Study-(Grant awarded notification \$ 3.3 M with a match of \$177,000) Open for discussion

0-9: Alt. Water Supply: Open

***0-10: Shoring Panels: Supt Wilkerson** reports to the Board and City Council that the excavation trench panels were used and work GREAT. The Team of the NWC staff appreciates the panels for safety. Supt. Wilkerson reports that “yes” takes more excavating and labor-BUT Safety Is First!! Thank You.*See Provided Picture at meeting

0-11:Vehicle: Supt Wilkerson is in process of reviewing options of a ¾ ton or 1 ton vehicle to replace the 2005 Chev 4x4, continued. No new Update. Will proceed in July 2024

VII. REPORTS

To: Norris Water Commission Board

From: Tony Wilkerson, Waterworks Superintendent

Date: June 17, 2024

RE: **R-1-Superintendent Report**

R-1a.

1. **Water Pumped MG/Sold/% loss**—See attached
Sold to ACWA: Alley 633,500/Alley Rd 405,700/Reservoir Road 1,197,600 – - - each location
2. **Water Budget**-see financial report see attached in packet
3. **Rainfall MAY 7.26” @Water Treatment Plant ”- 26.0 inches YTD Source ok presently**
4. **Operations Building/Equipment Shed.**
NWC Team has been working on installing the side panels of the equipment storage blding.
5. **. WWTP-Non-Compliance- (2) VIOLATIONS in month of May**
Diverted: 5-9-2024 -received 3.43” of rain
5-26-2024-received 1.89” of rain
 - a. Dailey Inspections (84 points to inspect) and Operations
 - i. Recorded Dailey on Log Book and Computer
 - ii. Dailey Testing performed
 - iii. Monthly Reports-NWC Emor/DMR/NDSP Report(3 reports-16 hrs)
 - b. **WWTP-Training-** May 2024 Xan Ridenour in training at STP-Performing Very Well!!
 - c. **Press Sludge-** 6 times this month.
 - d. **Supernatant-** 2 times
 - e. **Pumped Aeration to Digester-** 6 times mth
 - Tons of sludge hauled-1 (7.09 tons)
 - **Rain:- 7.96 inches of rainfall recorded at Wastewater Treatment Plant**
 - Ferm Zone-Dailey mixing/logging
 - Fill PT-190 /Bleach Barrel (chemical barrels-TP and filamentous protection)
 - Ground Maintenance-2 mth
 - EPA Nutrient Removal Case Study Project-Norris, TN-Doug Snelson, Senior Operator and Tony Wilkerson, Supt attended a slide presentation with EPA administrators and Grant Weaver and discussed Norris STP Operation and HOW Norris Operators reduced TN/TP and the delisting of Buffalo Creek. Future Meeting with EPA is scheduled for an on-site visit to Norris in JULY 2024.
6. **WTP-Water Plant:**
 - a. -Reports-Monthly-to TDEC completed (5 monthly-16 hrs)
 - b. -Dailey Inspections conducted (7 days a week) morning-evening inspection (52 points of inspection each time entered the plant) (Sometimes up to 3 times of inspections dailey

R-1b.

- c. Dailey Testing conducted morning /evening
 - i. Record Dailey on Log Book and Computer
- d. – Samples- Bacteriological ,Lagoon and quarterly Samples collected
- e. -Backwashed Filters- 7 times this month-Requires 6 hours each BW. (coating)
 - i. -Adam Roberson-is training in the operations of the WTP/Distribution System-Performing Well.
Water Samples Collected: Backwash aluminum -SOC samples collected 5-30-2024/THM&Haa5 samples collected 5-22-2024-Sent to Lab-TDEC required
- f. Ground Maintenance- 2 day this month and Reservoir Hill and Spring
- g. Telemetry -working thru the issues-back to hard wired
- h. Chart Recorder-Malfunction-under review-NEED to purchase a new chart recorder-we installed an older equipment and currently figuring Pumpage manually. Until we receive the correct NEW chart recorder. Est. Cost \$6340.00
- i. **Alarms: WTP**
5-8-24-Plant Power-8:00 PMOT/CS
5-22-24-Power Failure-OT/CS and TW-CUB was called-came restored power-8PM-12 Midnight
5-27-2024-Rain Event-(Holiday) OT/DS-9:30am-11:30am and another Turbidity alarm 10:45pm-12 Midnight

6. Distribution System:

- a. -Read Meters/Rereads-4 day
- b.-Bact Samples-Collected 2-regular
- c.-Spring – checked 3 times this month
- d. -Service Calls- for the month of MAY 2024 ____Qty
- e. Water Valves Inspection-XR/AR-identifying and inspecting (Starting)
- f. 62 Dairy Pond Road—water leak repair-service line-replaced tap saddle-8hours
- g. 176 Oak Road: --Installed Fire Hydrant-Completed
- h. Meter Pits: ACWA (Reservoir Road, Alley Rd x2), TVA and NDSP-READ DAILY
- i. Fire Hydrant-Prep -for Oak Road installation
- j. Oak Road Pool Line-Installed /Completed NEW water line and RPBP-concreted section
- k. SPRING: NWC Team removed a fallen tree out of roadway to spring
- l. 174 Oak Rd: replaced broken yoke valve
- m. SERVICE CALLS-total 90

Check Meter for leak on customer:	4	Install meter:	4
Check Pressure:	2	Read/leave On:	20
Meter Change Out:	4	TN811	:40
- n. Norris Middle School: Fire Line Bursted
DS/TW-responded 5:30am-OT

R-1c.

7. Flushing Program: NWC Team flushed -Orchard Road, Oak Road-Pine Road -West Circle and 2 on Dairy Pond Road

8. Sewer Collection System:

- Sewer stoppages- Supt has a copy and will provide upon request

-Sewer Lift Stations x2- Hickory Trail-checked daily

9. Training/Health & Safety

- May 23, 2024-TWWA meeting – Supt Wilkerson and Operators Cameron, Xan and Adam attended 4 hrs-Regulation Updates-Lafollette TN

-Utilized Shoring Panels-Sewer Project

10. Equipment: service trucks-check weekly

2015-checked-ok

2021 -GMC-checked -ok

2009- F150-checked-ok

1995 Dumptruck-check weekly

Issue-slave cylinder-have to have it checked-keeping fluid topped off-pending

Backhoe-OK

Sewer machine-check weekly

E48 Bobcat-Track hoe: hose blown out

: Bobcat performed 50 hr Maintenance on the machine

: Bobcat installed backup camera and repaired hose

NORRIS WATER COMMISSION Unaccounted for Water Report July2023-June 2024

MONTH	WATER PUMPED	WATER SOLD/ METERED	METERED FOR CONSUMPTION	FIRE DEPT. USAGE	FLUSHING	Tank Clean/Fill	Water BILL ADJ.	Water LOST	% LOST	# Cust.
			NOT SOLD							
July	8,067,000	6,329,600	653,400	5,000	580,000		31,600	472,400	5.86%	798
August	8,644,000	7,391,800	714,200		505,000		8,900	24,100	0.28%	798
Sept.	7,382,000	6,372,700	576,400		425,000			7,900	0.11%	798
Oct.	7,545,000	6,435,400	775,600		290,000			44,000	0.58%	
Nov.								0	#DIV/0!	
Dec.	7,645,000	5,355,600	593,000		1,010,000			686,400	8.98%	
Jan.	7,798,000	6,165,500	550,700		380,000			701,800	9.00%	
Feb.	6,570,000	5,304,200	560,200		355,000			350,600	5.34%	
March	7,203,000	5,714,500	646,600		255,000			586,900	8.15%	
April	7,041,000	5,616,800	606,100		150,000			668,100	9.49%	
May	7,426,000	6,014,600	666,800		230,000			514,600	6.93%	
June								0	#DIV/0!	
Total	75,321,000	60,700,700	6,343,000	5,000	4,180,000	0	8,900	4,056,800		

	A	B	C	D	E	F	G	H	I	J
May		2024								
		West Norris Road-Valve								
		West Circle-Valve			35,000					
		Fire Hydrant/Deadend Flushing								
		116 Orchard,194 Oak,176 Oak Road			150,000					
		62 Dairy Pond Road-service line leak			25,000					
		176 Oak Road--new fire hydrant install			20,000					

Tony Wilkerson
Superintendent