



west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street, SE
Charleston, WV 25304
Phone: 304-926-0495 / Fax: 304-926-0463

Harold D. Ward, Cabinet Secretary
dep.wv.gov

MEMORANDUM

To: Marie Prezioso, Chair
Meredith J. Vance, Director, Environmental Engineering Division, BPH

From: Katheryn Emery, P.E. Engineer Chief
Sewer Technical Review Committee

Date: November 19, 2024

Subject: Town of Fort Gay
Water System Improvements - Ph. I
IJDC No. 2024W-2565

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1. This committee has reviewed the preliminary application and engineering report submitted for the above referenced project in accordance with Chapter 31, Article 15A. It has been determined that the proposed project is:
 - a. Consistent with the intent of the Infrastructure and Jobs Development Act and is the most cost-effective, environmentally sound alternative for solving the water needs in this area.
 - b. Not consistent with the Act and may not be the most cost effective, environmentally sound alternative for solving the wastewater needs in this area.
 - c. Same as (a) above except that certain issues need to be addressed prior to design and construction as the attached comments indicate.
 2. Our recommendation is that:
 - a. The Funding Committee needs to review the proposed sources of funding to determine the best mix of grant and/or loan funds in accordance with applicable guidelines.
 - b. The Funding Committee should recommend that the Council approve the proposed project and its funding plan.

- c. The Funding Committee does not need to review the funding assumptions on this project because of deficiencies in the engineering report. The proposed project should be returned.
- d. This project should be referred to the Consolidation Committee.

3. Other remarks:

The applicant requested that this application be returned.



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MEMORANDUM

TO: Katheryn Emery, P.E., Engineer Chief, DWWM

FROM: Corey McComas, DWWM

DATE: November 12, 2024

SUBJECT: Town of Fort Gay
Water System Improvements - Ph. I
IJDC No. 2024W-2565

RECOMMENDATION

The IJDC Application and Preliminary Engineering Report (PER) prepared by New River Engineers, Inc. for the above referenced project has been reviewed and is recommended to be returned after discussing with the consultant Engineer.

PROJECT DESCRIPTION

The Town of Fort Gay operates a water system that retrieves water from Tug Fork of the Big Sandy River and serves 667 customers throughout the Town and surrounding area. They produce and distribute approximately 178,000 gallons per day.

The purpose of this project is to increase storage and pressure in the distribution system and to extend centralized water service to 15 new customers in the Webb Branch Area. This will involve installation of the following: 4,200 linear feet of 6 inch water main, 1,000 linear feet of 2 inch water line, a new 150,000-gal storage tank located on Doss Hill, and a water booster station, and other necessary appurtenances.

The proposed cost for this project is \$2,430,000.00. The Town will pursue a funding scenario of a \$1000,000 IJDC Grant and a \$930,000 DWTRF Principle Forgiveness. The Town has secured a \$500,000 Local Grant.

Promoting a healthy environment.

NEED FOR PROJECT

The existing water storage tank at Doss Hill does not supply adequate pressure to the 340 customers it currently serves. Additionally, the existing tank does not supply adequate storage for emergency situations. In order to supply adequate pressure and storage to existing customers, the Doss Hill tank needs to be replaced.

The residents of the Webb Branch area have been requesting the extension of public water service for many years due to ongoing issues with existing wells. The residents have been purchasing and hauling water from the Town's bulk water supply in order to have drinkable water supply. In order to supply the residents with safe drinking water, the Town must extend service to approximately 15 customers in the Webb Branch area.

The Town's water distribution system needs to be upgraded to provide reliable service and meet current regulatory requirements and the US Department of Justice Consent Decree. Residents located at higher service elevations often have inadequate or no service and fire flows are substandard. Booster pumping and storage to the high service gradient is inadequate.

DEFICIENCIES/COMMENTS

- Develop and describe a plan for dealing with the WTP problems and the water loss.
- State whether the WTP is meeting its permit limits.
- State what problems the groundwater wells are having.
- Wrap loan could be a possibility with a debt having a maturity date of 07/01/30.
- The schedule provided in the PER and Application must be updated.
- Has the Town complied with the Consent Decree (CIP, O&M Manual, Emer. Res. Plan, etc.)?
- Using the Combined Application, the Total Engineering Fees appear to be above the ASCE curve.

Preliminary Project Ratings:

Public Health Benefits	10
Compliance with Standards	20



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MEMORANDUM

MEMO TO: Meredith J. Vance
Office of Environmental Health Services
Bureau for Public Health

FROM: Brian D. Bailey *BD*
Technical Analyst
General Permits & Support Team

DATE: October 30, 2024

SUBJECT: Infrastructure Preliminary Application for the Town of Fort Gay: Water System Improvements Project in Wayne County, WV. (2024W-2565)

We have reviewed the above referenced project application information. The Town of Fort Gay, discharges its backwash to its site, which is covered under WV/NPDES Site Registration No. WVG640116, and expires July 18, 2028.

If the Town of Fort Gay is considering repairing and painting an existing water treatment plant or storage tanks, then the scope of this project requires precautions to prevent contamination of the waters of the state. Prior to beginning any removal of old paint, the Town of Fort Gay should contact Mr. Brad Wright or a member of his staff at (304)-926-0499, extension 49746 for guidance in determining whether the paint to be removed is considered a hazardous waste. If so, proper containment and disposal procedures must be followed for the paint and any material associated with the sandblasting. If it is determined that the paint is not hazardous, the Town of Fort Gay should contact John Lockhart or a member of his staff at (304)-926-0499, extension 43889 for proper disposal options.

Construction activities with a disturbed area of one (1) acre or greater are now required to register for the NPDES Storm Water Construction General Permit No. WV0115924 that became

effective on April 6, 2024. Projects registered under the previous General Permit No. WV0115100 were automatically provided coverage under WV/NPDES General Permit No. WV0115924. For more information, they may contact Larry Board at (304)-926-0499, extension 43883.

In light of the above, we have no objection to this project as long as the appropriate provisions are taken to assure compliance with Chapter 22, Article 11, of the Code of West Virginia and any associated regulations. The responsible party may contact Mylinda Maddox (304) 926-0499 ext. 43825, should additional information be required.

BDB:mam

cc: Katheryn Emery