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west virginia department of environmental protection

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

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

**MEMORANDUM**

**To:** Brad Sergent, Chair  
Meredith J. Vance, Director, Environmental Engineering Division, BPH

**From:** Katheryn Emery, P.E., Program Manager  
Sewer Technical Review Committee

**Date:** April 20, 2026

**Subject:** Hardy Co. PSD  
IJDC Application - 2024W-2509  
Baker Secondary Water Source

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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.

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- 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 tabled for the consultant to address technical comments.
- d.  This project should be referred to the Consolidation Committee.

3. Other remarks:

The project proposes converting two test wells into permitted public water supply wells, a new 60,000 gallon raw water storage tank, and other necessary conveyance appurtenances. This project is to develop a secondary public water source for use when the primary source is contaminated with toxic algae blooms to provide its customers with safe and reliable drinking water, as well as to comply with recent Senate Bill 373, which requires public water systems utilizing surface water sources to have a secondary source in the event of contamination issues.

The proposed cost for this project is \$2,430,000. The PSD will pursue a funding scenario of a \$150,000 grant from the Hardy County Commission, a \$150,000 WVIJDC PFA Grant, and a \$2,130,000 DWTRF Emerging Contaminants Principal Forgiveness Loan. The proposed monthly rate for 3,400 gallons is \$51.86 (1.3% MHI).

It is recommended that this application be tabled one month to allow time for the consultant to address the comments in the attached memo.

Documentation must be provided to determine eligibility for DWTRF EC funding.

Preliminary Project Ratings:

Public Health Benefits:	30
Compliance with Standards:	10



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### MEMORANDUM

**TO:** Katheryn Emery, P.E., Program Manager, DWWM

**FROM:** Carin Angelle, DWWM

**DATE:** April 6, 2026

**SUBJECT:** Hardy Co. PSD  
Baker Secondary Water Source  
IJDC No. 2024W-2509

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### RECOMMENDATION

The IJDC application and Preliminary Engineering Report (PER) prepared by The Thrasher Group for the above referenced project have been reviewed, and they are recommended to be tabled to the May Funding and Technical meeting. This has been discussed with Thrasher, and they agreed that tabling the project would allow the deficiencies/comments listed below to be addressed.

### PROJECT DESCRIPTION

The Hardy County Public Service District (PSD) provides potable water to customers across several areas of Hardy County, including Baker. The Baker water treatment plant (WTP) and distribution system operates under PWSID Number WV3301613 and draws water from the Parker Hollow Impoundment. The WTP serves 58 customers and treats approximately 14.9 million gallons of water per year.

The purpose of this project is to develop a secondary public water source for the Baker water system that provides its customers with safe and reliable drinking water, as well as to comply with recent Senate Bill 373, which requires public water systems utilizing surface water sources to have a secondary source in the event of contamination issues. The project proposes converting two test wells (TW-101 and TW-102) into permitted public water supply wells, which involves installing new well pumps, pump housings with well caps, control panels, electrical services,

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access roads, fencing, approximately 500 linear feet (LF) of 12” PVC raw water line, a new 60,000 gallon raw water storage tank, and other necessary conveyance appurtenances.

The proposed cost for this project is \$2,430,000. The PSD will pursue a funding scenario of a \$150,000 grant from the Hardy County Commission, a \$150,000 WVIJDC PFA Grant, and a \$2,130,000 DWTRF Emerging Contaminants Principal Forgiveness Loan. The proposed monthly rate for 3,400 gallons is \$51.86 (1.3% MHI).

### **NEED FOR PROJECT**

The Parker Hollow Impoundment has proven susceptible to toxic algae blooms that are occurring in increasing frequency. When a toxic bloom occurs, the PSD must issue a “Do Not Use” advisory, leaving customers without access to water until the bloom passes, and highlighting the Baker area’s need for a secondary water source. Additionally, the PSD must develop a secondary water source to comply with Senate Bill 373 passed in 2015. Converting the two test wells into public water supply wells to be used in emergency situations would address the water source concern during toxic algae blooms as well as the PSD’s non-compliance with the Senate Bill.

### **DEFICIENCIES/COMMENTS**

- The PER will need to be further developed to better define the current situation as well as the proposed project and its impacts on the current system and independent systems within the surrounding area.
- Documentation of algae bloom contamination levels and frequency as well as issued advisories will need to be provided.
- The proposed project does not address the toxic algae bloom contamination that halts customer water service. It is recommended that plant treatment considerations be addressed.
- It is recommended that further information regarding the feasibility of the project alternative to connect to the nearest utility be provided.

#### Preliminary Project Ratings:

Public Health Benefits	30
Compliance with Standards	10



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**MEMORANDUM**

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

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

DATE: March 19, 2026

SUBJECT: Infrastructure Preliminary Application for the Hardy County PSD: Baker  
Alternate Source Project in Hardy County, WV. (2024W-2509)

We have reviewed the above referenced project application information. Hardy County PSD, discharges its backwash to its site, which is covered under WV/NPDES Site Registration No. WVG640131, and expires July 18, 2028.

If the Hardy County PSD 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 Hardy County PSD 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 Hardy County PSD 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