



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: February 20, 2025

Subject: Boone County PSD
Preliminary Application: IJDC No. 2024W-2517
White House Branch/Stewart Road Water Line Extension

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

3. Other remarks:

This project will extend water service to seven unserved customers and one industrial customer along Hill Lane to Holstein Road, WVDOH Garage Road, Across Corridor G from Ramsey Road to White House Branch, and along White House Road. Six agreements have been signed with future customers. This project will provide a reliable source of potable water.

The proposed total cost for this project is \$1,450,000 and the City intends to pursue a WV AWC Contribution of \$30,515 and an IJDC Critical Needs Grant of \$1,429,485.

This application needs to be tabled until next month's meeting to allow time for the applicant to demonstrate how they will comply with the Lead and Copper Rule requirements and how the applicant will ensure compliance with the regulatory agencies.

Attached is an example of how Ellenboro demonstrated their compliance.

Using the Combined Application, the Total Engineering Fee and the Design Fee appear to be within the ASCE curve.

Preliminary Project Ratings:

Public Health Benefits: 20
Compliance with Standards: 0



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

February 7, 2025

Mr. Wayne Morgan, PE
Executive Director
West Virginia Infrastructure & Jobs Development Council
1009 Bullitt Street
Charleston, WV 25301-3713

**RE: *Town of Ellenboro
Highland Road Water Line Extension Project
WVIJDC Project #2024W-2632
Thrasher Project #T10-11269***

Dear Mr. Morgan,

After meeting with Amanda Williamson, and following the guidance received from Meredith Vance and Kathy Emery at a meeting following the WVIJDC's Funding and Technical Committee meeting on January 28th, 2025, regarding Public Education related to the USEPA Lead and Copper Rule, eight (8) letters, attached with enclosure, were handed out at the public meeting held on February 4th, 2025, at the Ellenboro City Hall at 6:30 pm. This public meeting included the City of Pennsboro for the Bonds Creek Waterline Extension Project (WVIJDC Project #2024W-2630). Today, The Town of Ellenboro is mailing out the attached letter with enclosure to the sixteen (16) remaining customers who did not attend the public meeting for the Highland Road Water Line Extension Project.

It is respectfully requested that this information be considered and that a funding decision be made at the next WVIJDC Council Meeting.

If you have any questions or concerns, please do not hesitate to contact me at (304) 326-6353 or rholcomb@thethrashergroup.com.

Sincerely,

THE THRASHER GROUP, INC.

Ryan Holcomb, E.I.
Project Manager

**TOWN OF ELLENBORO
HIGHLAND ROAD WATER LINE EXTENSION PROJ
POTENTIAL CUSTOMER LIST**

THRASHER PROJECT #T10-11269

**CUSTOMER
NUMBER
(MAP)**

NAME

ADDRESS

**SIGNED USER
AGREEMENT**

**NUMBER
OF TAPS**

**TEST
COMPLETED**

**RECEIVED LEAD
INFO HANDOUT**

CUSTOMER NUMBER (MAP)	NAME	ADDRESS	SIGNED USER AGREEMENT	NUMBER OF TAPS	TEST COMPLETED	RECEIVED LEAD INFO HANDOUT
A-1	HOWELL, RANDALL	163 HIGHLAND RD	NO			Mailed 2/10/2025
A-2	GATRELL, DAVID & KELLIE	84 STONEY POINT DR	RECONNECT			Mailed 2/10/2025
A-3	STUNKARD, TERRY	385 HIGHLAND RD	RECONNECT			Mailed 2/10/2025
1	STUMP, DEBRA	679 HIGHLAND RD	YES	1		Mailed 2/10/2025
2	ROSE, ROGER & CLARA OR STUMP, ALICE	704 HIGHLAND RD	YES	1		Public Meeting 2/4/2025
3	CARR, DELORIS	755 HIGHLAND RD	YES	1		Mailed 2/10/2025
4	HENDERSON, JO ANN	823 HIGHLAND RD	POTENTIAL			Mailed 2/10/2025
5	KUFFNER, JAMES & LORI	988 HIGHLAND RD	POTENTIAL			Mailed 2/10/2025
6	YOST, JAMES R.	1053 HIGHLAND RD	YES	1		Mailed 2/10/2025
7	YOST, JAMES R.	1053 HIGHLAND RD	YES	1		Mailed 2/10/2025
8	BAKER, DENCIL D.	1153 HIGHLAND RD	YES	1		Public Meeting 2/4/2025
9	BAKER, DANIEL OR BARE, JUNE	1216 HIGHLAND RD	YES	1	YES	Public Meeting 2/4/2025
10	WALTERS, ROCKY & MELINDA	1351 HIGHLAND RD	YES	1		Public Meeting 2/4/2025
-	NON-PERMANENT RESIDENCE	2445 MOATS RD				Mailed 2/10/2025
11	METZ, TIM & CONNIE	1396 HIGHLAND RD	YES	1		Public Meeting 2/4/2025
12	VILLERS, DAVID / MARK PARONS	988 LEASBURG HOLLOW RD	YES	1		Public Meeting 2/4/2025
13	CRADDOCK, MECHELLE	1398 HIGHLAND RD	YES	1		Public Meeting 2/4/2025
-	NON-PERMANENT RESIDENCE	1696 HIGHLAND RD				Mailed 2/10/2025
-	NON-PERMANENT RESIDENCE	1722 HIGHLAND RD				Mailed 2/10/2025
14	MAHANEY, ADRON & LINDA	2068 HIGHLAND RD	NO			Mailed 2/10/2025
-	VACANT (DILAPIDATED) HOUSE	2084 HIGHLAND RD				Mailed 2/10/2025
15	MAHANEY, ADRON & LINDA	2104 HIGHLAND RD	YES	1	YES	Mailed 2/10/2025
16	SHEPLER, ALISA	7337 BONDS CREEK RD	YES	1		Public Meeting 2/4/2025
17	SYCAMORE SPRING LIMITED (HIGHLAND SCHOOL)	98 SYCAMORE SPRING LN	YES	1		Mailed 2/10/2025

GREEN Residence currently has service available from Ellenboro water system



February 6, 2025

Dear Highland Resident

Subject: Lead Line Public Education
Highland Water Project
IJDC# 2024W-2632
Thrasher Project T10-11269

The Town of Ellenboro is pursuing funding to extend a water line along Highland Road. As part of that effort, several residents have had their well water tested for arsenic and lead.

Arsenic can be found in well water. The planned water line extension will likely reduce the levels of arsenic as the use of well water will be discontinued for everyday use.

Lead does not normally originate from well water; it typically originates from the water service line from the well to the house and/or in the interior plumbing and fixtures in the house. Therefore, the waterline extension will NOT likely reduce the level of lead as the source of the lead is typically the water service line and/or the interior plumbing and fixtures. To remove the lead residents would have to make changes to interior water lines or install a filter under the kitchen sink. It is recommended that your water be tested for lead after connecting to the public water supply to verify if the lead readings have been reduced below Maximum Contaminant Level (MCL) for Lead of 15.0 (ug/L). If the lead levels are not below MCL, interior plumbing is likely the cause of the lead contamination and should be evaluated for replacement.

The enclosed information from the United States Environmental Protection Agency and the West Virginia Department of Health describes the source of lead in drinking water and methods to reduce exposure to lead. It is strongly recommended that you evaluate your water service line and interior plumbing and fixtures to eliminate potential sources of lead and/or that you take measure to reduce exposure to lead.

Sincerely,
Town of Ellenboro.

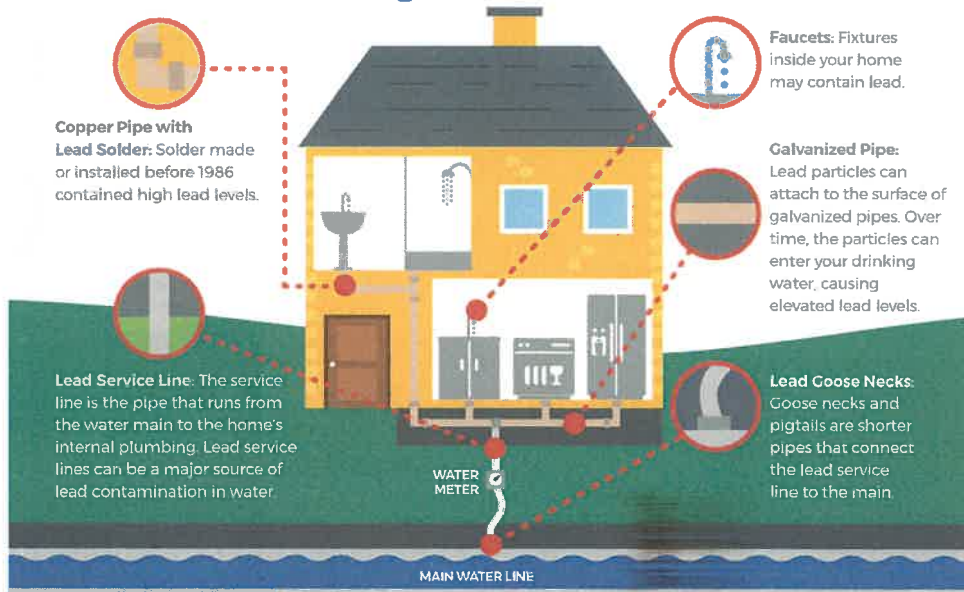
Amanda Williamson
City Manager

Enclosures: Lead Educational Infographics (4)



CONCERNED ABOUT LEAD IN YOUR DRINKING WATER?

Sources of LEAD in Drinking Water



Reduce Your Exposure To Lead



Use only cold water for drinking, cooking and making baby formula. *Boiling water does not remove lead from water.*



Regularly clean your faucet's screen (also known as an aerator).



Consider using a water filter certified to remove lead and know when it's time to replace the filter.



Before drinking, flush your pipes by running your tap, taking a shower, doing laundry or a load of dishes.

To find out for certain if you have lead in drinking water, have your water tested.

Replace Your Lead Service Line



Water systems are required to replace lead service lines if a water system cannot meet EPA's Lead Action Level through optimized corrosion control treatment.

Replacement of the lead service line is often the responsibility of both the utility and homeowner.

Homeowners can contact their water system to learn about how to remove the lead service line.

Identify Other Lead Sources In Your Home

Lead in homes can also come from sources other than water. If you live in a home built before 1978, you may want to have your paint tested for lead. Consider contacting your doctor to have your children tested if you are concerned about lead exposure.

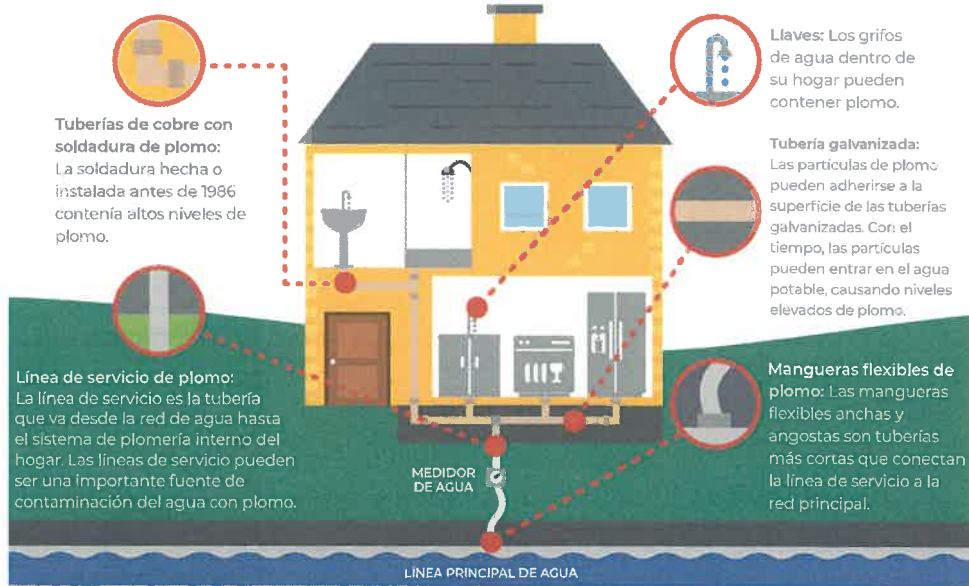


For more information, visit: epa.gov/safewater



¿LE PREOCUPA EL PLOMO EN EL AGUA POTABLE?

Fuentes de PLOMO en el agua potable



Reduzca su exposición al plomo



Use solo agua fría para beber, cocinar y preparar la leche del bebé. *Hervir el agua no elimina el plomo de esta.*



Limpie regularmente el filtro del grifo (también llamado aireador).



Considere usar un filtro de agua certificado para eliminar el plomo y sepa cuándo es hora de cambiar el filtro.



Antes de beber, limpie las tuberías de la casa dejando correr el agua, dándose una ducha, lavando la ropa o haciendo funcionar la lavadora de vajilla.

Para saber con seguridad si hay plomo en el agua potable, debe hacerla analizar.

Cambie su tubería de servicio de plomo



A los sistemas de agua se les exige cambiar tuberías de servicio de plomo si un sistema de agua no puede cumplir con el Nivel de acción de plomo de la EPA a través del tratamiento optimizado de control de la corrosión.

El cambio de la tubería de servicio de plomo es a menudo responsabilidad tanto de la empresa que presta el servicio de agua como del propietario de la vivienda.

Los propietarios pueden contactar a su sistema de agua para saber cómo eliminar la tubería de servicio de plomo.

Identifique otros orígenes del plomo en su hogar

El plomo en los hogares puede provenir también de otras cosas aparte del agua. Si vive en una casa construida antes de 1978, podría convenirle someter a prueba la pintura en busca de plomo. Considere contactar a su médico para hacer examinar a sus hijos si le preocupa la exposición al plomo.



Para obtener más información en inglés, visite: epa.gov/safewater

I May Have Lead (Pb) In My Water

What Can I Do?

wwwwww.e.peap.gao.gv/odvw/rdewgirnefog/ilnefaod/-laenadd-c-aopnpde-r

Flushing pipes is very important to remove lead in water that has been sitting for several hours.

NOTE: Boiling water does NOT remove lead in your water.

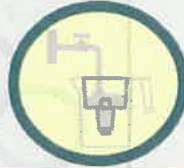
Step 1 - Flush Water

Run cold water at the highest flow from the kitchen faucet for 2 minutes.



Step 2

Pour fresh water into a filtered pitcher.



Step 3

Use the filtered water for drinking, cooking, and baby formula. Store additional filtered water for use throughout the day.



Can I Take a Shower or Wash My Hands?

It is okay for water with lead in it to touch your skin. You can still wash your hands and take a bath using unfiltered water.



Can I Brush My Teeth?

Make sure you brush your teeth with filtered or bottled water.



Can I Wash Dishes?

You can still wash and dry the dishes and stay safe! Dishes will not soak up the lead in the water.



Can I Wash Clothes?

Lead will not soak into clothes. If the water with lead in it does get into your clothes, it will not make you sick if the clothes touch your skin.



Can I Give My Pet Water?

ONLY give your pet water that is safe for you to drink! Make sure to give your pet filtered or bottled water.



Can I Water My Garden?

You can use the water flushed from the tap to water plants.



Regularly clean your faucet aerators.



An aerator is a device attached to the tip of a faucet.



It's important to clean faucet aerators and screens to remove small particles and any debris from them.



Protecting Children from Lead

How can children be exposed?



Living in homes with lead paint, a lead service line, or brass faucets and fixtures



Soil



Drinking water/pipes and plumbing



Industrial sites

How does lead affect children?



- Damage to brain and nervous system
- Hearing and speech problems
- Lower IQ



- Learning and behavior problems
- Slowed growth and development
- Decreased attention



- Risk of miscarriage
- Baby may be born too early or too small
- Damage to baby's brain, kidneys, and nervous system

Who is most vulnerable?



Children younger than 6 years old



Pregnant women

Do not boil water:



Boiling water does not remove lead from water

Simple steps you can take to reduce exposure:



Remove shoes before entering the house



Wash hands, bottles, pacifiers and toys often



Use bottled water Run faucet on cold for 3 minutes if water hasn't been used for 6 hours often



Have your child tested for lead exposure



Renovate safely



Feed children meals high in calcium and iron



Use cold water for drinking/cooking



Use point of use filter NSF/ANSI standard 53 & claim of lead reduction