

Initial Lead Service Line Identification and Replacement Plan

New Brunswick Water Utility

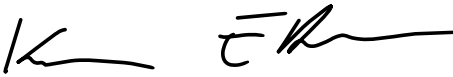
NJ 1214001

05-04-2024

☐ New Plan ☒ Revised Plan as of 05.04.2024

1. Plan Certification

I have verified and certify the information listed in this Plan is true and accurate to the best of my knowledge and belief:



Plan Preparer Signature

05/28/2024

Date

Kouao-Eric Ekoue

Plan Preparer Name (Print)

Superintendent

Title



Supplier of Water Signature

05/28/2024

Date

Alexei Walus

Supplier of Water Name (Print)

Director

Title



Licensed Operator Signature

05/28/2024

Date

Alexei Walus

Licensed Operator Name (Print)

278886

License Number

2. General Water System Information

System Name: City of New Brunswick	PWSID: NJ1214001
Total Number of Service Connections: 7592	
Number of Lead Service Lines: 2090 known, 76 Galvanized	
*See Lead Service Line Inventory for a breakdown of materials and ownership.	
Number of Service Lines of Unknown Material: 5502	
Number of Service Lines Comprised of Other Materials: 2014	
Total Population Served (excluding transient populations): 56,000	

2a. Contact Information

<u>System owner</u> contact information:	
Name: Alexei Walus	Title: Director
Phone: 732-745-5211	Email: awalus@cityofnewbrunswick.org
<u>Licensed operator</u> contact information	
Name: Alexei Walus	Title: Director
Phone: 732-745-5211	Email: awalus@cityofnewbrunswick.org
License (VSWS, T1, W1, etc.):	License Number: T4-0027886 W4- 0022054
<u>Additional Licensed operator</u> contact information (if applicable)	
Name: Kouao-Eric Ekoue	Title: Superintendent
Phone: 732-745-5060	Email: eekoue@cityofnewbrunswick.org
License (VSWS, T1, W1, etc.):	License Number: T4-798110 W4-839995
<u>Plan Preparer</u> contact information	
Name: Kouao-Eric Ekoue	Title: Superintendent
Phone: 732-745-5060	Email: eekoue@cityofnewbrunswick.org

Under N.J.S.A. 58:12A-44, a public community water system must create a lead service line replacement plan. The Plan must be updated annually or when new information becomes available regarding the replacements, identification of lead service lines, changing priorities, contract expirations, or changes in staff. This Plan is required to kept on site, and made available for State review upon request

3. Responsible Parties	
List names, titles, and details for the following:	
1. Creating and maintaining the Lead Service Line Replacement Plan:	Mark Tompeck (Mott MacDonald)-Program Manager
2. Identification of lead service lines: The City of New Brunswick is participating to the Lead Service Line Identification and Replacement Accelerator Program and ongoing water and sewer main replacements.	
3. Maintenance of service line inventory: Duane Chapman (Mott MacDonald) – Inventory Manager	
4. Construction Oversight: Anthony Tomassello (Mott MacDonald) - Construction Manager	
5. Funding: Richard Mulrine - CFO	
6. Public Outreach Coordinator: JT Miller – Public Information Officer	
7. Maintaining the online inventory updates: Duane Chapman (Mott MacDonald) – GIS and Inventory Manager	
8. Annual resubmission of the Lead Service Line Replacement Plan:	Eric Ekoue (City of New Brunswick) – Lead Service Line Task Force Lead
9. Other:	

4. Service Line Inventory Development and Maintenance	
Strategy for identifying service lines of unknown materials	
Check all applicable boxes. When completed, include completion date.	
☐ We do not have service lines of unknown material within our water system's service area	
Type of Review	Completion Date
☒ Review historical records	01/21/2022
☒ Review distribution system maps and record drawings	Ongoing
☒ Review building records	01/21/22
☒ Field/visual inspection with or without full excavation	Ongoing
☐ Sampling results and water quality information	
☐ Sequential monitoring	
☒ Capital improvement plans and/or master plans for distribution system development	Ongoing
☒ Utility records including meter installation records, customer complaint investigations and all historical	Ongoing
☒ Documentation which indicates and/or confirms the location of lead service lines: Description of documentation	Ongoing
☒ Review Existing connections	Ongoing

☐ Results from service line sampling where lead service lines are suspected to exist, but their presence is not confirmed	
☒ Community survey	Ongoing
☐ County appraisal district records	
☐ Contacts within the water system, municipal office, or other local officials	
☐ County and municipal ordinances	
☐ Survey results from area plumbers	
☐ Documented interviews of residents- letters, phone survey, personal contact, etc.	
☐ Documented interviews of local contractors, developers, and builders	
☒ Other: Machine learning of potential lead service line locations being performed under the Lead Accelerator program	

Note that all service lines must be identified by 2031, regardless of their composition material.

5. Replacement Schedule Development and Replacement Considerations

5a. Methods used to identify the prioritization of lead service line replacements (use numbers to indicate the level of priority, with "1" being the highest priority)

☐ **We do not have lead service lines within our service area. In the event one or more lead service lines are found in the future, the prioritization methods to be used are identified below.**

☒ Sensitive populations*2 ☐ Proximity to high lead results* ☐ Previous partial replacement* ☐ Areas that receive a lot of water quality complaints* ☐ Overburdened Communities * ☐ Licensed childcare centers * ☐ Areas where there are no service lines of unknown material ☐ Areas where all service lines are of unknown material ☐ Areas where pipe replacements are already being conducted ☐ Previous participation in PbCu sampling ☐ Areas with high density of children *Prioritization consideration should focus on sensitive populations and previously known lead concentrations	☐ Age of current water main ☐ Proximity to other known contaminants ☐ Pressure gradient ☐ Road moratoriums ☐ Ownership ☐ LSLs close to interconnections with a wholesaler which utilizes CCT ☐ Areas of source water or treatment changes ☐ Areas where all residents have agreed to participate in the program ☒ Service lines containing lead only on the water system side ☒ Service lines containing lead only on the property-owner side ☒ Predictive modeling results
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5b. Explanation of how the system is prioritizing replacement locations using the methods identified above and how the schedule will be implemented. Example: The prioritization of the replacements is focused

on identifying areas with sensitive populations such as nursing homes and nursery schools. Past sampling events have shown that these areas also have high lead results. By focusing replacement on these areas first, we are addressing the areas where lead contamination has the most adverse impacts on the health of those who drink the water .

The prioritization of the replacement is focused on sensitive populations such as child care facilities, schools, children under the age of five and confirmed lead service lines. By focusing on these areas first, we are addressing the known lead (galvanized) service line in the water systems, as well as addressing the areas where lead contamination has the most adverse impacts on the health of those who drink the water.

5c. Coordination with Property Owners

What portion of the service line is owned by the water system?	☐ The system owns the entire service line (main to house)	☐ The system owns a portion of the service line (main to curb)	☒ The system does not own any portion of the service line
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If the water system does not own the entire service line, will an ordinance need to be created which mandates the replacement of all lead service lines, regardless of ownership? ☒ Yes ☐ No

How will the system conduct public outreach regarding its lead service line replacement program? Provide links to all publicly available materials.

- An informational website has been developed which provides link to the latest inventory and educational materials on the City's website
- Attend all city events with a utility tent to display and distribute reading materials

How will the system solicit property owner/customer's approval to replace lead service lines?
Thus far, permission has been arranged with individual property owners on the case-by-case basis. Further consideration is being given to preparing a standard form of agreement for access to customer property.

Provide a summary of any legal requirements or anticipated obstacles. *E.g., prior to replacing the property-owner portion of a lead service line, a contract between the water system, contractor and property-owner must be signed and executed through the following process.*

Prior to replacing the lead service line, a contract between the water system, contractor and property owner must be signed and executed.

In the event of a property owner/customer's refusal to replace the service line the water system will:

May 2022

- ☒ Document the incident using the Department's Customer Refusal Form located on the Department's website:
- ☒ Continue to contact the property owner/customer each year for participation and continue to document all outreach efforts.
- ☒ When applicable, inform the customer the property-owner refused to replace their portion of the lead service line; and therefore, the lead service line in its entirety must remain.

5d. Coordination with Municipalities & NJDOT

How will the water system work with local municipalities in our service area and NJDOT to coordinate replacement efforts to minimize costs, impacts on roads, and neighborhood disturbances?:

- ☐ By meeting with municipalities on a ☐ monthly ☐ bi-monthly basis
- ☒ By participating in public meetings
- ☒ By attending council meetings
- ☒ By checking NJDOT website monthly
- ☒ By developing an outreach program with the municipalities/local authorities
- ☒ Other. Explain: Coordination with the City's paving plan through the Engineering Department

5e. Disposal of Lead Service Lines

How will the water system take steps to make sure all lead service lines removed are disposed of properly?

The Department recommends the following:

- ☒ By ensuring that the contractors remove them to an appropriate facility/scrapyard for disposal
- ☐ By keeping records of the sale ticket and receipts on file for our records.

5f. Emergency Replacement

What steps will the water system take in the event an emergency replacement is necessary?

- ☒ By having materials, staff resources, and procedures in place to replace the service line.
- ☒ By replacing the line as part of the emergency repair.
- ☒ By documenting the service line materials if they are made known and will replace at a later date.
- ☒ List sampling and notification procedures that will be implemented during an emergency replacement:
- Right of entry agreement would need to be provided to customer
 - Pitcher filter would be provided following replacement
 - Sampling 3-6 months following lead service line replacement

6. Prioritization of Lead Service Line Replacements Map

Clearly identify the following water system components identified on the Distribution Map included in the Appendix

Included items:

- ☒ Each area of priority
- ☐ Delineation of pressure zones # of pressure zones: _____
- ☒ Lead service lines – Refer to Lead Service Line Inventory found
- ☒ Service lines of unknown material - Refer to Lead Service Line Inventory found
- ☐ Areas of replacement
- ☐ Scheduled year of replacement (phase)
- ☐ Delineation of areas receiving CCT
- ☐ Delineation of areas receiving no/different CCT from seasonal EPTDS
- ☐ Treatment plant(s)

7. Financing

7a. Lead Service Line Replacement Financing

Will the water system need to have approval from another agency or governing body prior to beginning replacements (due to budgetary issues):

☒ Yes

☐ No

If yes, explain:

New Brunswick is planning to submit funding application to the I Bank.

List certifications, if any, that will need to be obtained before beginning replacements:

N/A

How will replacement be funded?

The Use of public funds through federal, state and local funding.

Is the water system government owned? ☒ Yes ☐ No

- If yes, will the property owner be responsible for a portion of the replacement cost? ☐ Yes ☒ No
- If yes, what amount?

Does the water system intend to utilize the resources available through the Drinking Water State Revolving Fund (DWSRF)? ☒ Yes ☐ No

- If yes, which funding does the system intend to utilize?
- The State of New Jersey program for financing environmental infrastructure projects. The program specific to lead service line replacement will be used.

Does the water system serve any municipalities that meet New Jersey's Affordability Criteria? ☒ Yes ☐ No

For more information, visit the Department's Water Infrastructure Investment Plan webpage at:

<https://www.nj.gov/dep/wiip/index.html>

7b. Setting Aside Funds for Mailings and Other Future Costs

Our water system will ensure that there are adequate funds to cover the cost of lead service line replacement activities by:

- ☒ Securing and setting aside funds on a yearly basis to cover the additional costs of certified mailing associated with each phase of replacement.
- ☒ Securing and setting aside funds for any outreach costs associated with replacements
- ☒ Securing and setting aside funds for customer request samples in the event the system triggers an Action Level Exceedance.
- ☒ Securing and setting aside funds for additional customer request samples for partial replacements if performed. *(Customers may request a partial replacement up to 6 months after the replacement is complete.)*
- ☒ Making sure that there is adequate funding set aside in the event that additional staffing is needed
- ☒ Securing and setting aside funds in the event that additional lead service lines are identified and must be replaced

8. Notification Requirements

Notification letters

We will draft and/or use NJDEP template letters for the following notifications:

- ☒ Public Education Letters
- ☒ Annual notifications of LSLs – Each year customers who still have an LSL must receive a letter.
- ☒ Properties with newly identified LSLs will received a certified letter on the template created by the Bureau.
- ☒ Replacement notifications before and after each replacement

If applicable, refer to your system's Lead and Copper Sampling Plan for additional public education and notification requirements under an ALE. The information will need to include what your water system is doing regarding your LSLR program.

**All notification letters must also include a written notification in any language in which greater than 10% of the population served by the water system speaks less than very well. The Department has put together guidance to assist water systems in determining if the people within the municipality(ies) they serve primarily speak a language other than English, which can be found here: <https://www.state.nj.us/dep/watersupply/pdf/secondary-language-directions.pdf>. If you cannot find information on a specific municipality, the Department recommends that you consult with the municipality(ies) for this information.*

9. Annual Reporting

For initial submissions:

- ☒ Our initial lead service line count was submitted to NJDEP by 9/20/2021
- ☒ Our initial LSL inventory report was submitted to NJDEP by 1/22/2022
- ☒ Our initial Customer Notice of LSL Material letters* were sent to properties served by LSLs by 2/22/2022
- ☒ An initial LSL replacement plan will be submitted to NJDEP by 7/22/2022
- ☒ An updated LSL inventory will be submitted to NJDEP by 7/22/2022
- ☒ Our annual progress report will be submitted to NJDEP for the period of 7/1/2021 – 06/30/2022 by 7/22/2022
- ☒ We will send out Customer Notice of LSL Material letters* to properties with newly identified LSLs by 8/22/2022
- ☒ Lead Service Line Notification Form will be sent to NJDEP by September 1, 2022

For submissions beginning in 2024:

- ☒ An updated LSL inventory will be submitted to NJDEP by 7/10/2024
- ☒ Our annual progress report will be submitted to NJDEP for the period of 7/1/2023 – 06/30/2024 by 7/10/2024
- ☒ An updated LSL replacement plan will be submitted to NJDEP by 7/31/2024
- ☒ We will send out Customer Notice of LSL Material letters to properties with newly identified LSLs via certified mail, and all other properties served by a LSL via standard mail by 8/10/2024
- ☒ Lead Service Line Notification Form will be sent to NJDEP by August 20, 2024

*Attach a copy of the Customer Notice of LSL Material letters to this Plan.

10. Other Considerations

10a. Lead Service Line Inventory and Lead and Copper Sampling Plan

☒ LSL Inventory and the Lead and Copper Sampling Plan should be updated in conjunction with each other. We will update lead and copper plan to reflect lead service line replacements on a semi-annual basis and keep on file for our records.

☒ The Lead and Copper Sample Location Spreadsheet (BWSE-18) will be submitted to the Department within 30 days of making sample site changes due to lead service line replacements.

10b. Filter Distribution

Will the water system provide filters to residents?

We will provide filters to customers:

- ☒ Yes
☐ No

We will provide water filters under these circumstances:

- ☐ We will provide filters to customers without cause
☒ When a partial or full replacement occurs
☒ When an ALE occurs
☒ When lead results come back high

Under an ALE, these filters will be provided to:

- ☐ To all consumers served by the water system
☒ Only those affected by known LSLs

When lead results come back high, these filters will be provided to:

- ☐ To all consumers served by the water system
☒ Only those affected by known LSLs

What types of filters will be provided (i.e. faucet mounted/point of use, pitchers, etc)? Include specific brand and model # if known:

Brita long last everyday water pitcher and filter.

Will additional replacement filters be provided? Yes ☒ No ☐

Will instructions on how to use the filters be provided? Yes ☒ No ☐

What tracking will be in place to track the properties which have received filters and properties who were not provided filters?: Requirements for contractors to note location and date of filter distribution and tracking will be completed in City's database

11. Division of Water Supply & Geoscience Contact Information

Bureau of Safe Drinking Water	(609) 292-5550
Bureau of Water System Engineering	(609) 292-2957
Bureau of Water Resources & Geoscience	(609) 292-2576

12. APPENDIX <i>Check all that apply and are enclosed</i>
☒ Appendix A: Lead Service Line (LSL) Inventory Report (DEP_10-S_00014)
☒ Appendix B: Map
☒ Appendix C: Progress Report
☒ Appendix D: Customer notice of LSL Material Letters