

REPORT OUT
From the Aguas del Norte Alliance Meeting
20 October 2023

Prepared by
The Southwest Environmental Finance Center
Center for Water and the Environment
at The University of New Mexico

20 November 2023

The H2O Community Solutions Team Program is funded by the EPA

Introduction

Thank you all for joining us on for the Aguas del Norte Quarterly Discussion for Friday October 20th from 10:00 am-1:00 pm. Thank you especially to Charlotte Paetzold and Abiquiu Water for hosting us at St. Thomas Parish in Abiquiu. Around 7 people joined us for the discussion (See the sign-in sheet attached to this report). Thank you, to all of you who were able to attend, for taking the time out of your busy schedules!

This report is meant to bring together what was discussed at the meeting on the 20th of October. Therefore, the SWEFC created this report with the following in mind:

1. To provide you with materials from the meeting;
2. To provide you with a summary of the community networking exercise; and
3. To let you know the status of our work on the next meeting.

If we have missed something or something is not accurate, please reach out to, joni palmer: palmerjonim@unm.edu

Aguas del Norte Water Alliance

Meeting #3: Networking/Sharing Resources and

Information on NMED Lead Line Inventory Requirements

Friday 20 October 2023 | 10 am – 1 pm

Location: St. Thomas Parish Hall, 1 Church Plaza, Abiquiu 87510

AGENDA

- | | | |
|---|---------|---------------|
| 1. Welcome | Melanie | 5 minutes |
| 2. Ice breaker | Sami | 10-15 minutes |
| 3. Community Networking Exercise | Sami | 30-40 minutes |
| BREAK | | 10 minutes |
| 4. NMED Lead Line Inventory Requirements | Melanie | 1.5 hours |
| BREAK | | 10 minutes |
| 5. Next Steps & Questions | Melanie | 10 minutes |
| Next meeting: January 2024 (virtual or in-person/location)
Topics? | | |
| Adjourn meeting, and thank you for attending | | |

1. Meeting Handouts

Resources were provided at the registration table, please see attachments to this report. Melanie’s slide deck is also attached to this report: NMED Lead Service Line Inventory Requirements.

2. Summary of Community Networking Exercise

This activity was conducted in order for systems to connect with each other over the different types of assets they have or don’t have, and brainstorm potential collaborations to solve problems facing both systems.

Group 1: Antonio P Casias, El Valle de los Ranchos WTS, apcasias81@gmail.com, (505) 429-4930
Abiquiu Rural Water Association, Frank Lopez (repped by his wife Carmen Lopez), (505) 929-8686, (505) 6854133, abiquiu4133@gmail.com

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Treatment plant ✓ Distribution ✓ Storage tank ✓ Generators ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers ✓ Accountants ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Neighboring MDWCAs ✓ Volunteers ✓ Complete, active board ✓ Younger generations involved 	
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Land grants and boards ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Community center ✓ Library ✓ Post office ✓ Support from elected officials ✓ Engineer we can work with ✓ Consumer Watchdogs ✓ Army Corp of Engineers ✓ Fire Dept ✓ Advocates 	<ul style="list-style-type: none"> ✗ Education/Schools – need to educate younger generation in schools/work programs

Group 2: Jeanne Archuleta, El Rito Regional Water, elritowater42@gmail.com, (505) 929-3737
 Jennifer Viereck, Abiquiu MDWCA. joviereck@gmail.com, (505) 685-0597

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Backhoe - Abiquiu ✓ Treatment plant – Abiquiu ✓ Distribution – El Rito ✓ Storage tank ✓ Generators – El Rito ✓ Meters – El Rito 	<ul style="list-style-type: none"> ✗ Backhoe – No El Rito ✗ Treatment plant – No El Rito ✗ Distribution – Abiquiu is developing now ✗ Generators – No Abiquiu ✗ Meters – No Abiquiu
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Accountants ✓ Bookkeeper ✓ Grant writer ✓ Neighboring MDWCAs 	<ul style="list-style-type: none"> ✗ Plumbers ✗ Grant writer – need to develop ✗ Managers ✗ Volunteers ✗ Complete, active board - El Rito’s board is complete, but not always active ✗ Younger generations involved
Relationship/Group Assets	<ul style="list-style-type: none"> ✗ Land grants and boards ✗ Board of directors ✗ Community Center (Abiquiu) ✗ Library ✗ Post office ✗ Engineer we can work with ✗ Fire dept. ✗ Advocates 	<ul style="list-style-type: none"> ✗ Land grants and boards (El Rito) ✗ Strong community ✗ Community center (El Rito) ✗ Support from elected officials – Abiquiu needs to develop ✗ Consumer Watchdogs ✗ Army Corp of engineers

Group 3: Barranco MDWCA, Willie Picaro, JSP407NJ@gmail.com
 Aviolalynne Jacquez, Coyote MDWCA, coyotemdwa@gmail.com, (575) 638-6902

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Treatment plant - Chlorine ✓ Distribution – Water lines ✓ Storage tank ✓ Generators – Only Barranco ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers – Coyote only 	<ul style="list-style-type: none"> ✗ Grant writer ✗ Managers

	<ul style="list-style-type: none"> ✓ Bookkeeper ✓ Neighboring MDWCAs ✓ Volunteers – only the board ✓ Complete, active board 	<ul style="list-style-type: none"> ✗ Younger generations involved
Relationship/Group Assets	<ul style="list-style-type: none"> ✗ Board of directors ✗ Acequia association ✗ Post office ✗ Support from elected officials ✗ Fire dept. 	<ul style="list-style-type: none"> ✗ Land grants and boards ✗ Strong community ✗ Community center ✗ Library ✗ Engineer we can work with ✗ Consumer watchdogs ✗ Army Corp of engineers ✗ Advocates

Group 4: Delvin Garcia, Abiquiu Water and Sewer
 Bill Conner, New Mexico Rural Water Alliance

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Treatment Plant ✓ Distribution ✓ Storage tank ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe ✗ Generators
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers ✓ Accountants ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Neighboring MDWCAs 	<ul style="list-style-type: none"> ✗ Volunteers ✗ Complete, active board ✗ Younger generations involved
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Land grants and boards ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Community center ✓ Library ✓ Post office ✓ Support from elected officials ✓ Engineer we can work with ✓ Army Corp of Engineers ✓ Fire dept. ✓ Advocates 	<ul style="list-style-type: none"> ✗ Consumer watchdogs

Group 5: Tucker Colvin, Southwest Environmental Finance Center, tcolvin@unm.edu
 Agapito Candelaria, Los Ojos

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Treatment Plant ✓ Distribution ✓ Storage tank ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe ✗ Generators
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers ✓ Accountants ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Neighboring MDWCAs ✓ Volunteers ✓ Complete, active board 	<ul style="list-style-type: none"> ✗ Younger generations involved - ?? WIOA Workforce Solutions/Americorps → apprenticeships
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Community center ✓ Library ✓ Post office ✓ Support from elected officials ✓ Engineer we can work with ✓ Consumer watchdogs ✓ Fire dept. ✓ Advocates 	<ul style="list-style-type: none"> ✗ Land grants and boards ✗ Army Corp of Engineers

Group 6: Delvin Garcia, Abiquiu Water and Sewer
 Ramón Lucero, San Ysidro Sun MDWCA

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Distribution ✓ Storage tank ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe ✗ Treatment Plant ✗ Generators
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers ✓ Accountants ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Neighboring MDWCAs ✓ Volunteers 	<ul style="list-style-type: none"> ✗ Complete, active board ✗ Younger generations involved
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Land grants and boards 	<ul style="list-style-type: none"> ✗ Consumer watchdogs

	<ul style="list-style-type: none"> ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Community center ✓ Library ✓ Post office ✓ Support from elected officials ✓ Engineer we can work with ✓ Army Corp of Engineers ✓ Fire dept. ✓ Advocates 	
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Group 7: Tucker Colvin, Southwest Environmental Finance Center, tcolvin@unm.edu
 Bill Conner, New Mexico Rural Water Alliance

	What we have	What we do not have
Tangible Assets		<ul style="list-style-type: none"> ✗ Backhoe ✗ Treatment Plant ✗ Distribution ✗ Storage tank ✗ Generators ✗ Meters
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Complete, active board ✓ Younger generations involved 	
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Board of directors ✓ Strong community ✓ Support from elected officials ✓ Advocates 	

Group 8: Jennifer Viereck, Abiquiu MDWCA. joviereck@gmail.com, (505) 685-0597
 Agapito Candelaria, Los Ojos
 Antonio P Casias, El Valle de los Ranchos WTS, apcasias81@gmail.com, (505) 429-4930

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Treatment Plant ✓ Distribution ✓ Storage tank ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe ✗ Generators
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Accountants 	<ul style="list-style-type: none"> ✗ Plumbers ✗ Managers

	<ul style="list-style-type: none"> ✓ Bookkeeper ✓ Grant writer ✓ Managers ✓ Neighboring MDWCAs ✓ Volunteers 	<ul style="list-style-type: none"> ✗ Complete, active board ✗ Younger generations involved – we need to get the younger generations involved → education of systems in school
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Land grants and boards ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Community center ✓ Library ✓ Post office ✓ Support from elected officials – need more support ✓ Engineer we can work with ✓ Consumer watchdogs - partially ✓ Fire dept. ✓ Advocates - RCAC 	<ul style="list-style-type: none"> ✗ Army Corp of Engineers

Group 9: Jeanne Archuleta, El Rito Regional Water, elritowater42@gmail.com, (505) 929-3737
 Aviolalynne Jacquez, Coyote MDWCA, coyotemdwa@gmail.com, (575) 638-6902

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Storage tank ✓ Generators – El Rito ✓ Meters 	<ul style="list-style-type: none"> ✗ Backhoe ✗ Treatment Plant ✗ Distribution ✗ Generators - Coyote
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers - Coyote ✓ Accountants ✓ Bookkeeper ✓ Neighboring MDWCAs ✓ Complete, active board - Coyote 	<ul style="list-style-type: none"> ✗ Plumbers – El Rito ✗ Grant writer ✗ Managers ✗ Volunteers ✗ Complete, active board – El Rito has a complete board but not all active ✗ Younger generations involved
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Board of directors ✓ Acequia association – El Rito yes ✓ Library – El Riot yes ✓ Post office ✓ Support from elected officials 	<ul style="list-style-type: none"> ✗ Land grants and boards ✗ Acequia association – Coyote unsure ✗ Community center ✗ Library - Coyote ✗ Engineer we can work with - Coyote

	<ul style="list-style-type: none"> ✓ Engineer we can work with – El Rito yes ✓ Fire dept. 	<ul style="list-style-type: none"> ✗ Consumer watchdogs ✗ Army Corp of Engineers ✗ Advocates
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Group 10: Barranco MDWCA, Willie Picaro, JSP407NJ@gmail.com

Abiquiu Rural Water Association, Frank Lopez (repped by his wife Carmen Lopez), (505) 929-8686, (505) 6854133, abiquiu4133@gmail.com

	What we have	What we do not have
Tangible Assets	<ul style="list-style-type: none"> ✓ Backhoe ✓ Treatment Plant ✓ Distribution ✓ Storage tank ✓ Generators ✓ Meters 	
Personal Assets	<ul style="list-style-type: none"> ✓ Water operator ✓ Plumbers ✓ Accountants ✓ Bookkeeper ✓ Neighboring MDWCAs ✓ Complete, active board 	<ul style="list-style-type: none"> ✗ Grant writer – not Barranco ✗ Younger generations involved – hire an apprentice
Relationship/Group Assets	<ul style="list-style-type: none"> ✓ Land grants and boards ✓ Board of directors ✓ Strong community ✓ Acequia association ✓ Library ✓ Post office ✓ Engineer we can work with ✓ Army Corp of Engineers ✓ Fire dept. 	<ul style="list-style-type: none"> ✗ Community center

Notes from Discussion

System questions for EPA/state:

- If a system does an LSL inventory, are they then liable for paying for replacement of the LSLs they identify? → Who pays for replacement?
- Does community members' first-hand knowledge of lead lines count as proof in the LSL inventory?
- Can customers sue the system if the required public notice about lead lines includes info that their home contains lead? What are the legal ramifications of sharing lead information about private and commercial lines?
 - o We could potentially look at Public Request law information to answer this question.
- For Diane Aranda:

- How do we turn in LSLs? Is it just an Excel sheet attached to an email?
- Will we get an email confirmation that the LSL has been received once we turn it in?
- Is there a template for the implementation plans?

Tools and resources for TA providers to create:

1. A guide for: How should systems interact with and educate homeowners? How to deal with homeowners not cooperating?
 - We can't force anyone to do anything, BUT we can focus on educating homeowners about the dangers of lead and the importance of replacing lead pipes.
 - We can notify new homeowners of the lead issue when they do the paperwork to join a water association.
 - NM has many private people who do not want others on their properties and will protect them with guns, dogs, etc. → it is important to foster long term, good relationships with community members. If you need to go on someone's property:
 - Call the community members first to inform them why you need to enter their property.
 - Wear badges that identify you as water system personnel.
 - Identify yourself to the homeowner before going onto the property.
 - Easements
 - Water User Agreements and membership agreements can be important records of easements that will allow you onto private property.
 - Systems usually have easement onto private property up to the meter.
2. Standard or template notification (Public Notice) to consumers
 - One template informing consumers of existing lead lines in their community.
 - One template educating about lead, even if no lead lines have been identified (sent out as a best management practice).
 - Include health information (dangers) about lead and why replacement is important.
3. Implementation Plan Template → if Diane Aranda doesn't already have one.
4. Aguas del Norte Alliance Website or Webpage
 - A way to consolidate the resources we have provided, keep records of our meetings, inform and update about future meetings
 - Host as a webpage on TA providers pages?
5. A guide to conducting LSL inventories: How do we get information about lead in our communities?
 - Lists of steps + potential methods of conducting LSL inventories + planning for replacement
 - Doing backtracking on system purchases to find when lines were put in and what materials were used.
 - Reaching out to customers for house records → who built this house, and are there records?
 - Working with local plumbers to help members → homeowners collaborate (purchase in a group) to make replacing pipes affordable.
 - What do we know?
 - 1987 – State of New Mexico passes lead ban → should not be lead pipes put in since then.
 - LSL info at the policy level (rules + funding sources)

- What can TA providers find out about funding for replacement?
 - USDA has some funding for private lead pipe replacement
- LSL info at the local level (existing local knowledge about lead from consumers)
 - A lot of this information doesn't exist except in the brains of elders → importance of writing down what your elders know and keeping records.
- Inspections:
 - Visual inspections during repairs and site visits
 - Scratch and magnet test
- Obtaining addresses for LSLs:
 - You may be able to get these from the county 911 lists, planning and zoning offices, and the assessor's office.
 - Sometimes there is a specific county person designated for rural addresses → reach out to them.

Topics for Future Meetings

Date: January 26th, 2024

Hybrid meeting – give systems choice to attend online and avoid bad roads.

Potential location: Chamita – Gloria from Chamita told Melanie she was eager to host.

Ways to increase attendance:

- Ask systems to invite a neighboring system to attend
- Save the Date
- Physical flyers
- Radio (try to get KDCE this time)
- Chama newspaper
- Phone calls to systems

Potential Topics:

- Collaboration and Networking
- Water rights – how to secure and protect them?
 - Senate Bill 337
- Easement laws → invite OSC?
- How to access funding through legislation or capital outlay
- TA providers present and share LSL tools and resources they have created
- Training or workshop on software and Excel tracking
 - Help uploading LSL info to Excel (i.e. addresses)
 - Help creating an email for your system
 - Help saving the LSL Excel file for future records → training on system recordkeeping

3. Status of Our Work on the Next Meeting

The next meeting of the Aguas del Norte Alliance will be Friday 26 January, from 10 am – 1 pm

at Chamita Community Center, County Road 56A #42 Chamita, NM.. It will be a hybrid meeting, with the option to attend in-person or online over Zoom in the case of bad weather or travel difficulties. **If you would like to attend over Zoom, please email Sami Stroud (sstroud1@unm.edu) or joni palmer (palmerjonim@unm.edu).** We can also help you get Zoom set up on your computer. The meeting topic will be: **Preparing for Emergencies, Networking, and Information/Resource Sharing.** Melanie Delgado, joni palmer, and Sami Stroud are working on advertising this event via email, phone calls, posting flyers in communities (See flyer on next page), and local newspapers and radio.

Final Thoughts

As stated in the previous report, we could use your help getting the word out about these regular quarterly meetings (with special topics meetings as needed): Please share information about events, and invite people to join the email listserv that Melanie created:

ENV-NorthernNMDiscussion@state.nm.us

Send names and emails to Melanie Delgado (melanie.delgado@env.nm.edu) and she will get people on the listserv. Also, if you have contacts at local newspapers and local radio stations, please let joni (palmerjonim@unm.edu) know—we would like to use additional platforms (other than email/listserv) to advertise these meetings! We also ask that each system please **invite a neighboring system to attend.** This will help us grow our community and relationships with our neighbors.

Thanks, again, for participating in the Aguas del Norte Alliance meetings: we look forward to continuing these conversations with and for all of you!

Resources Sheet for Northern NM Group

- SWEFC main webpage: <https://swefc.unm.edu/home/>
- SWEFC Integrated Asset Management Framework Webpage: <https://swefc.unm.edu/iamf/>
- SWEFC Asset Management InfoHub: <https://swefcamswitchboard.unm.edu/am/>
- SWEFC Wastewater InfoHub: <https://infohub.swefc.unm.edu/>
- SWEFC Water Loss InfoHub: <https://swefc.unm.edu/wlswitchboard/>
- SWEFC State Revolving Fund InfoHub: <https://swefcsrfswitchboard.unm.edu/srf/>
- Resources for NM SRF: <https://swefcsrfswitchboard.unm.edu/srf/new-mexico-stater revolving-fund-resources/>
- New Mexico Water and Wastewater Funding Table, updated 2019: <https://efcnetwork.org/wpcontent/uploads/2019/07/NM-Water-Wastewater-Funds-2019.pdf>
- PFAs Cost Recovery Program (sign up here): <https://nrwa.org/cost-recovery/>
- EPA webpage on revised lead and copper rule: <https://www.epa.gov/ground-water-anddrinking-water/revised-lead-and-copper-rule>
- NM 811: <https://geocall.nm811.org/geocall/portal>
- RCAC Trainings Calendar: https://www.events.rcac.org/rcac/calendar.asp?Cal_View=YEARVIEW&Cal_Day=1

Attachments: See next pages

- Jan 26 Meeting Flyer
- Sign-in Sheet
- Handouts and NMED Lead Line Service Inventory Requirements (Melanie's slide deck)

PLEASE JOIN US FOR THE:

Aguas del Norte Water Alliance Meeting #4

Friday, January 26th from 10 am - 1 pm

Preparing for Emergencies, Networking, and Information/Resource Sharing

AGENDA

- Welcome
 - Highlights from Meeting #3
 - Results from Mtg. #3 exercise
 - Networking Activity: System Resiliency
 - Water Topic: Preparing for Emergencies
 - Next Steps & Questions
- Snacks and coffee will be provided!*

We are offering this as a Hybrid event! Please join us at **Chamita Community Center** or join us **via Zoom**.*

*If you would like join us via Zoom, please contact:
Sami Stroud sstroud1@unm.edu or joni palmer palmerjonim@unm.edu
or, call (505) 333-9667

Find more information on our NEW Aguas del Norte webpage:
<https://swefc.unm.edu/home/aguas-del-norte-alliance/>



SOUTHWEST
ENVIRONMENTAL
FINANCE CENTER

SIGN-IN SHEET for Aguas del Norte Alliance

EPA H2O Community Solutions Teams / Southwest Environmental Finance Center / NMED Northern NM Regional Conversation
 Friday 20 October 2023 at St. Thomas Parish Hall, 1 Church Plaza, Abiquiu 87510

#	Name	Water system and Mailing Address	Telephone, Email, and Fax (if appropriate)	Op Cert # <i>(If applicable)</i>	Credit Hours <i>(For Trainer Use Only)</i>
1	J Agapito Candelara	Los Ojos Mutual Domestic Water Association PO Box 168	T: 575-779-8758 E: Fax:		
2	Antonio P Casias	El Valle de los Ranchos Water and Sanitation District	T: E: apcasias81@gmail.com Fax:	20108	
3	Delvin Garcia	Abiquiu Domestic Water and Sewer	T: 929-1129 E: Fax:		
4	Jeanne Archuleta (Board member)	El Rito Regional Water and Wastewater Association PO Box 367 El Rito, NM 87530	T: (505) 929 - 3737 E: Fax:		
5	Aviolalynne Jacquez	Coyote MDWCA PO Box 26 Coyote NM 87012	T: (575) 638 - 6902 E: coyotemdwa@gmail.com Fax:		

SIGN-IN SHEET for Aguas del Norte Alliance

EPA H2O Community Solutions Teams / Southwest Environmental Finance Center / NMED Northern NM Regional Conversation
 Friday 20 October 2023 at St. Thomas Parish Hall, 1 Church Plaza, Abiquiu 87510

#	Name	Water system and Mailing Address	Telephone, Email, and Fax (if appropriate)	Op Cert # <i>(If applicable)</i>	Credit Hours <i>(For Trainer Use Only)</i>
6	Willie Picaro	Barranco MDWCA PO Box 1053 Abiquiu NM 87510	T: 505-685-4352 E: jsp407nj@gmail.com Fax:		
7	Jennifer D Viereck	Abiquiu MDWCA PO Box 133 Abiquiu NM 87510	T: E: Fax:		
8			T: E: Fax:		
9			T: E: Fax:		
10			T: E: Fax:		



New Mexico Environment Department

LEAD LINE INVENTORY HANDS ON WORKSHOP: DEVELOPING AND MAINTAINING A SERVICE LINE INVENTORY

October 13, 2023





Welcome and Acknowledgements

This workshop is supported by: The New Mexico Environment Department, Environmental Finance Center ,Rural Community Assistance Corporation, and NM Rural Water Association.

A special Thanks to our host Abiquiu MDWCA those that brought snacks to share.



What will the training cover?

- **Guidance general topics**
 - ✓ Lead & Safe Drinking Water Act
 - ✓ Lead Line Inventory
 - ✓ Filling in the inventory template
 - ✓ What happens after you submit your Lead Line Inventory?
 - ✓ Tips
 - ✓ Discussion

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Lead & Safe Drinking Water Act



Goals of the Lead and Copper Rule

- Protect **public health** by minimizing lead and copper levels in drinking water
- Accomplished through:
 - **Removal** of all lead lines.
 - **Reduction** of corrosivity in the water
 - Corrosive water, if untreated, can dissolve lead and other metals from pipes and other components present in household plumbing.



2021- Lead and Copper Rule Revisions

PWS

Deliverables to

DWB:

October 16, 2024

*Lead service line **inventory**.

*Lead service line replacement **plan**.

*Monitoring for lead in Schools and childcare **plan**.

For information regarding all things lead and copper:

Contact the Lead and Copper Administrator: Diana Aranda

Diana.Aranda@env.nm.gov (505) 372-8166

VISIT OUR WEBSITE: [Lead and Copper Program \(nm.gov\)](https://www.nm.gov/lead-and-copper)



Lead ban in the state of New Mexico

**The state of New Mexico
implemented its lead ban in 1987**



Lead Line Inventory

The initial service line inventory is intended to identify the materials within our distribution system.

The completed lead line inventory will help you:

- ❑ Create a lead line replacement plan.
- ❑ Create a plan to protect children in schools and childcare facilities.
- ❑ Replace all lead in the system

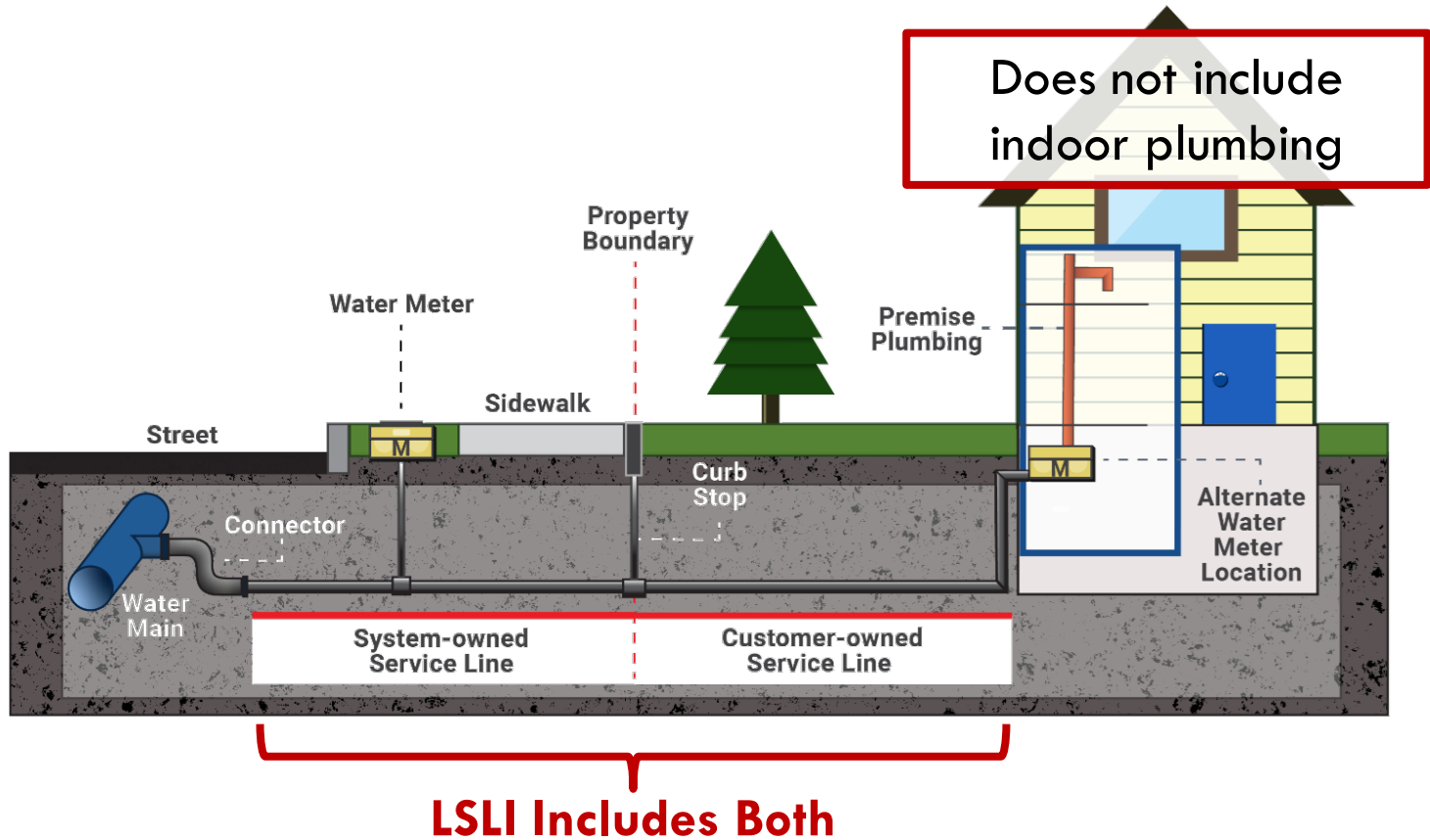


Lead Line Inventory



What is a service line?

Include both **Active** and **Inactive** service connections





What should be in the inventory?

- ❑ Lines connected to vacant or abandoned buildings, even if they are unoccupied and the water service is turned off.
- ❑ If a line is physically disconnected from the water system, it **does not** need to be inventoried. If it is ever reconnected, then the water system would have to update their inventory with the newly reconnected line.
- ❑ The only lines that need to be inventoried are ones that are connected to **and served by** the public distribution system.



Who needs to create a Service Line Inventory?

- All Community (C) and Non-transient, Non-community (NTNC) water systems, must create a service line inventory.
- This includes systems with only Non-Lead Service Lines.





Required Service Line Inventory material classifications

- The inventory must use one of the following four material classifications to describe the entire service line, including separate material classifications for the water system-owned and customer-owned portions of each service line where ownership is split:

Lead
Galvanized requiring replacement (GRR)
Non-lead (or the actual material, such as copper or plastic)
Lead status unknown service lines (or unknown)



Materials

Lead

- The service line is made of lead (40 CFR §141.84(a)(4)(i)).
- “a portion of pipe that is made of lead, which connects the water main to the building inlet” (40 CFR §141.2).
- **Lead Goosenecks, pigtails, or connectors:**
 - “a short section of piping, typically not exceeding **two feet**, which can be bent and used for connections between rigid service piping” (40 CFR §141.2).
 - If the only lead pipe serving the building is a lead gooseneck, pigtail, or connector, the service line is **not** considered an LSL under the initial inventory requirements of the LCRR.
 - Even so EPA recommends that the system track the material of all components that potentially contain lead, including connectors.



Materials

Galvanized Requiring Replacement (GRR)

- The galvanized service line is or ever was at any time **downstream** of an LSL or is currently downstream of a **lead status unknown service line**.
- If the water system is unable to demonstrate that the galvanized service line was never downstream of an LSL, it must presume there was an upstream LSL (40 CFR §141.84(a)(4)(ii))
- An example of a GRR service line is when the customer-owned portion from the meter to the building is galvanized, and the system-owned portion from the water main to the meter was previously lead but has been replaced. The customer-owned portion of the service line would be GRR.
- A galvanized service line that was never downstream of an LSL but is downstream or previously downstream of a lead gooseneck, pigtail, or connector is **not** considered GRR..



Materials

Non- Lead

- ❑ The service line is determined through an evidence-based record, method, or technique that it is not lead or Galvanized Requiring Replacement
- ❑ If a system can demonstrate that a galvanized service line was never downstream of an LSL, it may be classified as non-lead.
- ❑ The water system may classify the actual material of the service line (for example, galvanized, plastic, or copper) as an alternative to classifying it as non-lead.
- ❑ The term “non-lead” refers to the service line material only and does not include other potential lead sources present in solder, connectors, and other plumbing materials.



Materials

Lead Status Unknown


- The service line material is not known to be a lead, GRR, or non-LSL, such as where there is no documented evidence supporting material classification (40 CFR §141.84(a)(4)(iv)).
- Water systems have the option to use the terminology of unknown instead of lead status unknown service line (40 CFR §141.84(a)(4)(iv)).
- Water systems may elect to provide more information regarding their unknown lines as long as the inventory clearly distinguishes unknown service lines from those where the material has been determined through records or inspections (40 CFR §141.84(a)(4)(iv)).



Lead Goosenecks, Pigtails, or Connectors

- ❑ A lead gooseneck, pigtail, or connector is defined as “a short section of piping, typically not exceeding two feet, which can be bent and used for connections between rigid service piping” (40 CFR §141.2).
- ❑ If the only lead pipe serving the building is a lead gooseneck, pigtail, or connector, the service line is not considered a Lead Service Line
- ❑ EPA recommends that the system track the material of all components that potentially contain lead, including connectors.





Filling in the Lead Line Inventory Template



Access to EPA guidance and excel template

- [New Mexico Environment Department](#)
- Lead and copper rule DWB page:
 - ▣ [Lead and Copper Program \(nm.gov\)](#)

 **Lead and Copper Program**

[Drinking Water Bureau Home](#)
[Drinking Water Sampling](#)
[Lead and Copper Program](#)
[Public Drinking Water System Assistance](#)
[Water Infrastructure Projects and Funding](#)
[Utility Operator Certification Program](#)

 **Contact Us**
Drinking Water Bureau
Ph: 505-476-8620
877-654-8720
Utility Operator Certification:
UOCP.certification@env.nm.gov
E: drinking.water@state.nm.us

Lead and Copper Rule Revisions Service Line Inventory Compliance (Due Date October 16, 2024)

[Guidance for Developing and Maintaining a Service Line Inventory \(6.79 MB, August 4, 2022, 816-B-22-001\)](#)

[Lead and Copper Service Line Inventory Template \(1.53 MB, August 4, 2022\)](#)

On August 4, 2022, EPA released Guidance for Developing and Maintaining a Service Line Inventory to support water systems with their efforts to develop inventories and to provide states with needed information for oversight and reporting to EPA. The guidance provides essential information to help water systems comply with the Lead and Copper Rule Revisions requirement to prepare and maintain an inventory of service line materials by October 16, 2024. Specifically, EPA's Lead Service Line Inventory guidance:

- Provides best practices for inventory development and communicating information to the public.



Is there a tool that I need to use to do the LSLI?



Service Line Inventory Template




Date last updated: July 27, 2022

What is the purpose of this template?





The purpose of this draft template is to help water systems and states comply with the service line inventory requirements of the January 15, 2021 Lead and Copper Rule Revisions (LCRR). This template supplements the draft EPA document, *Guidance for Developing and Maintaining a Service Line Inventory* (2022) by providing fillable forms and tables that water systems can use to document their methods, organize their inventory, submit the initial inventory and inventory updates to the state, and document how they are making the inventory publicly available. This template also provides a checklist for state review. Note that EPA does NOT require systems use this template for their inventory. Refer to EPA's 2022 Inventory Guidance for minimum LCRR inventory requirements, recommendations, and disclaimers.

How is the template organized?

The worksheets in this template are color coded:

-  Yellow sheets are instructions and background.
-  Dark blue sheets are templates for systems.
-  The dark green sheet is a template for states.

The cells in this template are also color coded:

-  Gray cells are background or instructions.
-  Light blue cells are fillable cells for systems.
-  Aqua cells are the required fields in the Detailed Inventory worksheet.
-  Light green cells are fillable cells for states.

See the table below for a description of each worksheet.



Federally Required Elements

Tabs from the template excel sheet

PWS Information

Inventory Methods

Inventory Summary

Detailed Inventory

Public Accessibility Doc.



Public Water System Information

PWS Information

Purpose of this worksheet: For water systems to document basic system information.

Facility Information

Water System Name:

PWSID:	Population Served (number of people):	Number of Service Connections:	PWS Type:
			<input type="checkbox"/> CWS <input type="checkbox"/> NTNCWS

If you are a CWS, do multi-family residences comprise at least 20% of the structures you serve? *Select "Yes" or "No"*

Mailing Address

Street or P.O. Box:

City or Town:	State:	Zip Code:

System Contact Person

Name:	Title:
Telephone:	Email:

Person Who Prepared Inventory (if different from above)

Name:	Title/Affiliation:
Telephone:	Email:



Methods-Sources of Information

- Sources of information to identify materials include
 - Previous Materials Evaluation-examples Tier 1 lead tap sampling
 - Construction/plumbing codes-examples permits, and existing records or other documentation indicating service line material; local policy or ordinance adopting plumbing code
 - Water system records including maps, drawings, historical records on service connections, meter installation, capital improvement or master plans, & standard operating procedures
 - Inspection and records- examples distribution maps showing material, meter installation records, inspections
 - Additional Records Required by State-Asset Management plans



Inventory Methods

Inventory Methodology

PWS Name: _____
 PWSID: _____
 Enter Date Last Updated: _____

Purpose of this worksheet: For water systems to document the methods and resources they used to develop and update their inventory.

Part 1: Historical Records Review

Type of Record	Describe the Records Reviewed for Your Inventory and Indicate Your Level of Confidence (e.g., Low, Medium, or High)
1. Previous Materials Evaluation <i>Example: Locations of Tier 1 lead tap sampling locations that are served by a lead service line.</i>	
2. Construction Records and Plumbing Codes <i>Examples: Local ordinance adopting an international plumbing code. Permits for replacing lead service lines.</i>	
3. Water System Records <i>Examples: Capital improvement plans. Standard operating procedures. Engineering standards.</i>	
4. Distribution System Inspections and Records <i>Examples: Distribution system maps. Tap cards. Service line repair/replacement records. Inspection records. Meter installation records.</i>	
5. Additional Records Required by Your State	
6. Other Records	

Part 2: Identifying Service Line Material During Normal Operations

1. During which normal operating activities are you collecting information on service line material? Check all that apply.

Water meter reading Water main repair or replacement
 Water meter repair or replacement Backflow prevention device inspection
 Service line repair or replacement Other

If "Other", please explain:

2. Did you develop or revise standard operating procedures to collect service line material information? Select "Yes" or "No"

If "Yes", please describe:

Part 3: Service Line Investigations

1. Identify the service line investigation methods your system used to prepare the inventory (check all that apply). If a water system chooses an investigation method not specified by the state under 40 CFR §141.84(a)(3)(iv), state approval is required. *Note that investigations are not required by the LCRR but can be used by systems to assess accuracy of historical records and gather information when service line material is unknown.*

Visual Inspection at the Meter Pit Water Quality Sampling - Other
 Customer Self-Identification Mechanical Excavation
 CCTV Inspection at Curb Box - External Vacuum Excavation
 CCTV Inspection at Curb Box - Internal Predictive Modeling
 Water Quality Sampling - Targeted Other
 Water Quality Sampling - Flushed
 Water Quality sampling - Sequential

If "Other", please explain:

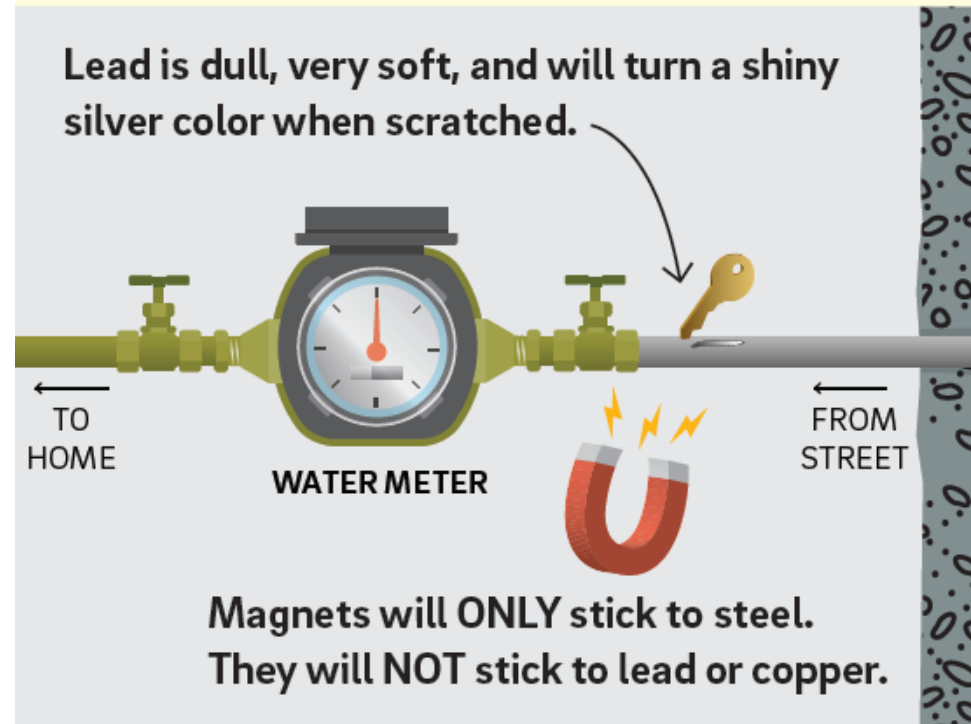
2. If "Predictive Modeling", please briefly describe the model and inputs used:

3. How did you prioritize locations for service line materials investigations? For example, did you consider environmental justice and/or sensitive populations, did you use predictive modeling, and/or did you target areas with high number of unknowns?



Service Line Investigation Methods

- Conduct visual inspections during repairs and site visits.
- ▣ Do the ***scratch and magnet test***.
 - If the pipe is a silver metallic color, the customer can carefully scratch the pipe with a key or coin.





Service Line Investigation Methods

- Visual inspection of a service line material:
 - Lead is a soft metal that is a dull, silver-gray color. It is easily scratched with a coin or key, and the scratched areas will be shiny. It is non-magnetic, meaning a magnet will not stick to it. Lead pipe is commonly attached to other pipe with a “wiped” joint.
 - Galvanized is a dull, silver-gray color that is difficult to scratch. A magnet will stick to it.



Plastic



Scratched Lead



Copper



Galvanized Steel & valve



Inventory Summary

Part 1. General Information

1. Is this the Initial Inventory or an Inventory Update ?	Select One
2a. Who owns the service lines in your system? <i>If other, please explain below.</i>	Select Ownership Type
2b. Is there documentation that defines service line ownership in your system, such as a local ordinance? <i>If yes, please describe below and explain where ownership is split (e.g., property line, curb stop).</i>	Select "Yes" or "No"
3a. Describe when lead service lines were generally installed in your system.	
3b. When were lead service lines banned in your system? Reference the state or local ordinance that banned the use of lead in your system.	
4. Do you have lead goosenecks, pigtails or connectors in your system?	Select "Yes" or "No" or "Don't Know"
5. What is your overall level of confidence in the inventory (<i>i.e.</i> , "Low", "Medium", or "High.") Please explain your rationale below.	

Part 2. Inventory Format

Describe your inventory format in the space provided below (*e.g.*, the **Detailed Inventory** worksheet, custom spreadsheet, GIS map). Provide the filename and/or web address if applicable. **Note that the state may require you to submit your detailed inventory of each service line in your distribution system.**



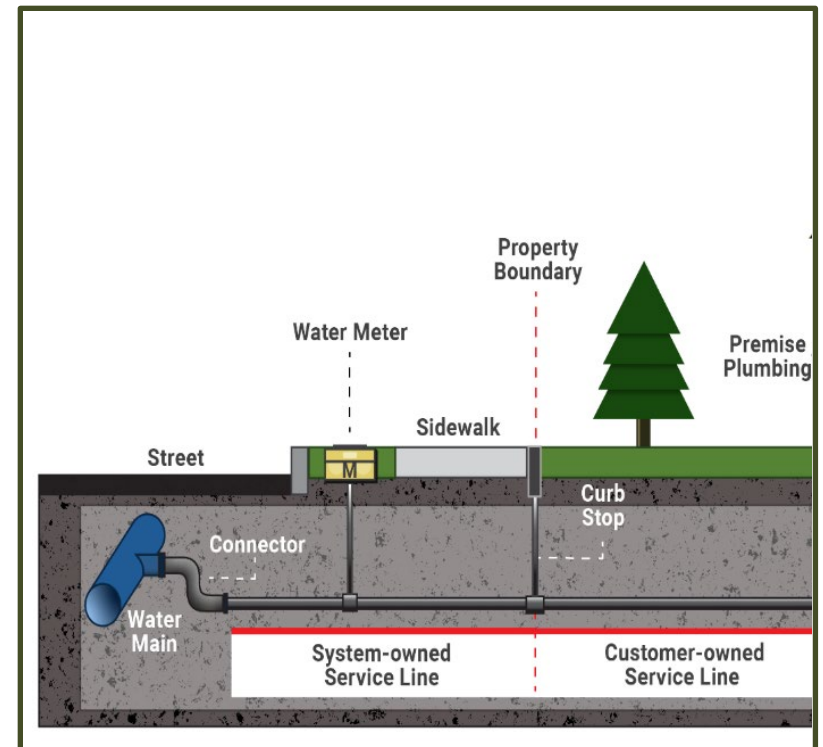
Inventory summary table

Part 3. Inventory Summary Table ¹		
<p>If you are using the Detailed Inventory worksheet, the classifications you select in the Column "Entire Service Line Material Classification" (Column X) will be used to calculate the total number of service lines for each of the four material classifications below. Otherwise, enter the number of service lines in the aqua-colored cells. Remember this is the classification for the entire service line.</p>		
Service Line Material Classification	Definition	Total Number of Service Lines (REQUIRED to be reported under the LCRR)
Lead	Any portion of the service line is known to be made of lead. ²	1
Galvanized Requiring Replacement (GRR)	The service line is not made of lead, but a portion is galvanized and the system is unable to demonstrate that the galvanized line was never downstream of a lead service line.	3
Non-Lead	All portions of the service line are known NOT to be lead or GRR through an evidence-based record, method, or technique.	2
Lead Status Unknown	The service line material is not known to be lead or GRR. For the entire service line or a portion of it (in cases of split ownership), there is not enough evidence to support material classification.	2
TOTAL		8



Detailed inventory elements-Required

- ✓ Location Identifier.
- ✓ System-Owned Portion Service Line Material Classification
- ✓ Customer-Owned Portion Service Line Material Classification
- ✓ Entire Service Line Material Classification
- ✓ Materials shall be classified:
 - Lead
 - Galvanized Requiring Replacement (GRR)
 - Unknown
 - non-lead service lines





Service line inventory excel sheet

□ Detailed Inventory

Detailed Inventory

PWS Name: _____
 PWSID: _____
 Date Last Updated: _____

Purpose of this worksheet: To provide a customizable format water systems can use to track materials for each service line in their distribution system.

General Instructions: Each row in this worksheet represents one service line connecting the water main to the customer's plumbing. The worksheet includes required and recommended elements; the columns v required by the LCRR. Systems can customize by adding or deleting columns. Important notes for each column are in Row 12; also see the **Template Instructions** worksheet for detailed instructions. Note that use them to see the headings and notes when entering data. The worksheet includes examples in rows 13 - 20 and is formatted for approximately 10,000 entries.

Location Information								
Unique Service Line ID	Location Identifier		Sensitive Population? (Yes/No)	Disadvantaged Neighborhood? (Yes/No)	System-Owned Portion Service Line Material Classification	If Non-Lead in Column G, Was Material Ever Previously Lead?	Service Line Installation Date	Service Line Size
	Street Address	Other Location Identifier						
<i>A Unique ID is recommended for each service line.</i>	<i>Water systems must track addresses of all service lines in their internal inventory. For the publicly accessible version, location identifiers are required for lead and galvanized requiring replacement. If the system does not use addresses for their location identifier, other options could include GPS coordinates, landmark, intersection, block, or other details to specify service line locations.</i>		<i>Select Yes if sensitive subpopulation, e.g., day care, school, multifamily home. If Yes-Other, describe in the Notes field.</i>	<i>Does location meet state affordability guidelines or other measures?</i>	<i>Dropdown list includes recommended subclassifications. If "Non-Lead Other", describe in Notes field</i>	<i>Select Yes, No, or Don't know. Important for determining if downstream/ customer-owned galvanized service line requires replacement</i>	<i>Date, year, or estimated date range when the service line was installed or replaced</i>	<i>Diameter in inches</i>
Example 1	1234 Test St., City, State, Zip Code	Intersection of Test and Elm St.	No	No	Non-Lead - Plastic	Yes	1997	2
Example 2	4321 Test St., City, State, Zip Code	Intersection of Test and Main St.	No	No	Non-Lead - Plastic	No	Fall 1980	2
Example 3	16 Capital St., City, State, Zip Code		No	No	Non-Lead - Copper	Don't know	1985	1 1/2
Example 4	1 Water Avenue, City, State, Zip Code		No	No	Unknown - Likely Lead		1940's	2
Example 5	67 Children's Place, City, State, Zip Code		Yes - Day Care	No	Unknown - Material Unknown		1950-1960	3/4
Example 6	30 Price Street, City, State, Zip Code		No	No	Lead-lined galvanized		1955	2
Example 7	123 System Ave., City, State, Zip Code	Building A	No	Yes	Non-Lead - Copper	Yes	2015	2
Example 8	123 System Ave., City, State, Zip Code	Building B	No	No	Non-Lead - Copper	Don't know	2015	2



Required Elements for Lead Line Inventory

Tabs from the template excel sheet

PWS Information

Inventory Methods

Inventory Summary

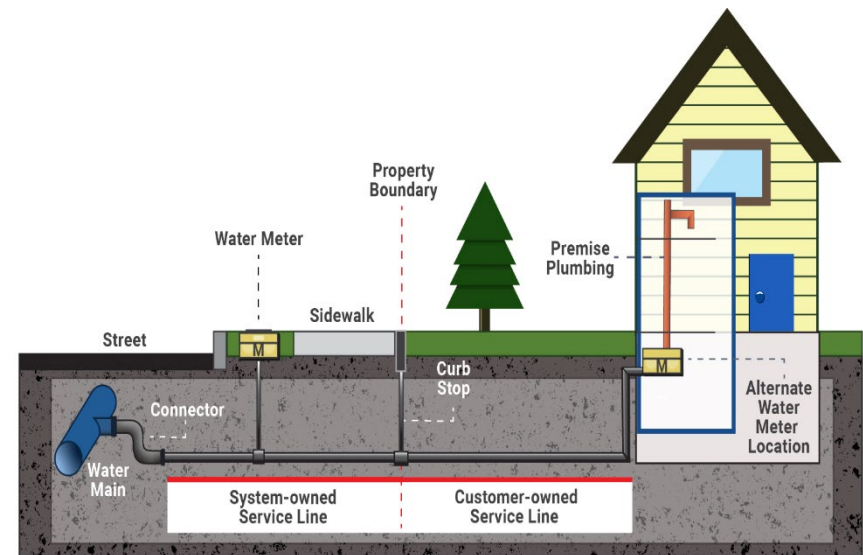
Detailed Inventory

Public Accessibility Doc.



Recommended –Federal inventory elements

- ❑ Likelihood that an unknown line is lead.
- ❑ Actual material of non-lead lines.
- ❑ Other line infrastructure that has lead but not considered for replacement
 - ❑ Lead goose necks, pigtails and connectors
 - ❑ Lead solder
 - ❑ Other lead infrastructure
- ❑ Other service line characteristics
 - ❑ Pipe diameter
 - ❑ Installation date
 - ❑ Details on sources or materials





Public Accessibility Documentation

Public Accessibility Documentation

PWS Name:

PWSID:

Enter Date Last Updated:

Purpose of this worksheet: For systems to provide documentation to states on how they met the public accessibility requirements of the LCRR.

1. Select the location identifiers that you use for your service line inventory. Check all that apply.

- Address
- Street
- Block
- Intersection
- Landmark
- GPS Coordinates
- Other

If "Other", please describe:

2. Does **every service line** have a location identifier?

Select "Yes" or "No"

If "No", explain. Remember that location identifiers are required for service lines that are lead and galvanized requiring replacement.

3. How are you making your inventory publicly accessible? Check all that apply. Remember that if your system serves > 50,000 people, you **must** provide the inventory online.

- Interactive online map
- Static online map
- Online spreadsheet
- Printed service line map
- Printed tabular data
- Information on water utility mailings or newsletter
- Hard copy information available in water system office



Submitting inventories

- NMED Drinking Water Bureau
 - Lead and Copper Rule Administrator Diana Aranda
 - Diana.Aranda@env.nm.gov (505) 372-8166

 - Where?
 - The Administrator is working on building an online submittal portal for inventory documents
- VISIT OUR WEBSITE:** [Lead and Copper Program \(nm.gov\)](#)
- When are inventories due?
 - October 16, 2024

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What happens after I submit my inventory?



Federal Requirement- making your inventory public

- All systems shall publicly post and update your inventory
 - ▣ Water systems must track addresses in your internal inventory. For the Public version, location identifiers are required for lead and galvanized requiring replacement(GRR). If you do not use addresses for this, you can use GPS coordinates, landmarks, intersection, or other.
- If you have lead, GRR, or unknown services lines, you must provide notification to persons served by these lines within **30 days after completing the initial** inventory



Other Required Information

- For confirmed Lead Service lines- system must provide opportunities to replace, funding programs, and statement that the system must replace its portion if property owners notify the system, they are replacing their portion
- CCR language- Community Water Systems must include instructions on how to access the inventory in your Consumer Confidence Report

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Tips for Starting a Lead Line Inventory



Tips for moving forward



Read and Review

- The excel template instructions
- EPA and other guidance's



Gather

- Use existing system asset inventory or use this inventory to begin one
- All existing historical documents, review and organize them
- GIS data (local county, source water protection plans, etc.)
 - Example: create a google earth file of your distribution system



Determine

- The number of public and private lines
- Provide a unique name/identification.
- Example: 100 connections plus 10 main lines = 110 inventory entries/rows

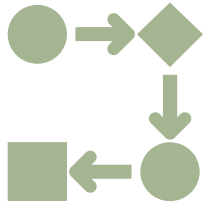


Tips for moving forward



Fill out

- The entire inventory with all the information you do know, based on the information you have gathered.
 - Keep accurate thorough notes of your methods as you go along.
- If you don't know the material information because you have yet not found historical documents, you can label as unknown.
- Now you know what you do not know!



Visualize

- New strategies for determining unknowns.
- Example: conduct a visual survey at water meter, where you can observe both the private and the public lines.
 - Document the event with photos of both sides of the meter



Test

- Magnet test (if lead, it will not stick)
- Scratch test (dull and soft = lead)



Tips for moving forward



Update

- Your inventory with every new piece of information or visual inspection that comes in



Submit inventory

- Before, Thursday Oct. 16, 2024.
- Details on where and how to submitted are currently being developed



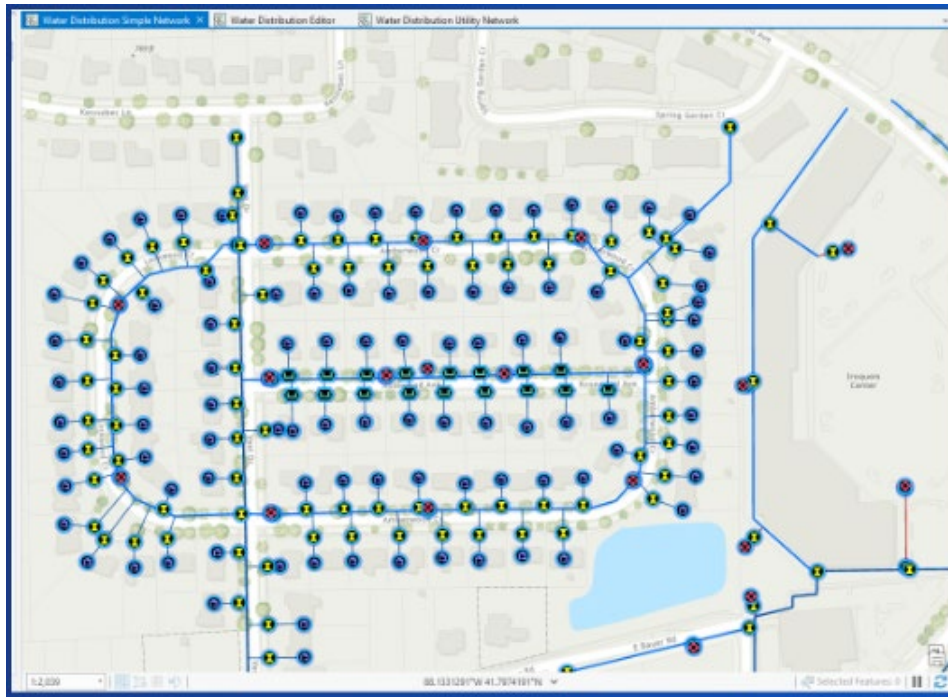
Remember- Even when you are done with the inventory, and confirming all materials, you still need to move forward with a replacement plan if you have lead lines.

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Discussion/Question?



Where are your service lines?



- How many of you have a system that already has an asset inventory ?
- If a line needs repairs, how do you go about locating, fixing and replacing?



Contact information

For information regarding all things lead and copper:

Contact the Lead and Copper Administrator:

Diana I. Aranda

Diana.Aranda@env.nm.gov

(505) 372-8166



Drinking Water Bureau Resources

More resources available at NMED Webpage:

Resources for Public Water Systems:

https://www.env.nm.gov/drinking_water/resources/

Lead and Copper Program:

https://www.env.nm.gov/drinking_water/lead-and-copper-program/

Enforcement Watch

<https://www.env.nm.gov/enforcement-watch/>

	B	C	D	E	F
2	Detailed Inventory				
3	PWS Name:				
4					
5	Date Last Updated:				
9	Location Information				
10	Unique Service Line ID	Location Identifier		Sensitive Population? (Yes/No)	Disadvantaged Neighborhood? (Yes/No)
11		Street Address (Required)	Other Location Identifier		
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

	G	H	I	J	K	L	M	N	O
2	Detailed Inventory								
3	PWS Name:								
4	Date Last Updated:								
5									
9	System-Owned Portion								
10	System-Owned Portion Service Line Material Classification	If Non-Lead in Column G, Was Material Ever Previously Lead?	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified ?	If "Yes" Service Line Material Was Field Verified:		Notes
11							Describe the Field Verification Method	Enter the Date of Field Verification	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

	P	Q	R	S	T	U	V	W
2	Detailed Inventory							
3	PWS Name:							
4	Date Last Updated:							
5	Customer-Owned Portion							
9	Customer-Owned Portion							
10	Customer- Owned Portion Service Line Material Classification	Service Line Installatio n Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified:		Notes
11						Describe the Field Verification Method	Enter the Date of Field Verification	
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
2	Detailed Inventory									
3	PWS Name:									
4										
5	Date Last Updated:									
9	Entire Service Line Material Classification	Other Potential Sources of Lead			Additional Information to Assign Tap Monitoring Tiering				Lead Service Line Replacement (LSLR)	
10		Is there a Lead Connector?	Is there Lead Solder in the Service Line?	Describe Other Fittings and Equipment Connected to the Service Line that Contain	Building Type Connected to Service Line	Point-of-Entry or Point-of-Use Treatment Present?	Does the Interior Building Plumbing Contain Copper Pipes with Lead Solder Installed Before Your State's Lead Ban (Generally 1986	Current LCR Sampling Site?	Date of System-owned LSLR	Date of Customer-owned LSLR
11										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										

	B	C	D	E	F
2	Detailed Inventory				
3	PWS Name:				
4					
5	Date Last Updated:				
9	Location Information				
10	Unique Service Line ID	Location Identifier		Sensitive Population? (Yes/No)	Disadvantaged Neighborhood? (Yes/No)
11		Street Address (Required)	Other Location Identifier		
14				No	Yes
15				Yes - School	No
16				Yes - Day Care	
17				Yes - Multifamily Home	
18				Yes - Other	
19					
20					
21					
22					
23					
24					
25					

Pull Down
Menu Items

	G	H	I	J	K	L	M	N	O
2	Detailed Inventory								
3	PWS Name:								
4	Date Last Updated:								
5									
9	System-Owned Portion								
10	System-Owned Portion Service Line Material Classification	If Non-Lead in Column G, Was Material Ever Previously Lead?	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified ?	If "Yes" Service Line Material Was Field Verified:		Notes
11							Describe the Field Verification Method	Enter the Date of Field Verification	
14	Lead	Yes			Previous Materials Evaluation	Yes	Customer self-identification on CCTV		
15	Lead-lined galvanized	No			Installation record (e.g., tap card)	No	investigation at curb stop - CCTV		
16	Galvanized	Don't know			Installation date after lead ban		investigation at curb stop -		
17	Non-Lead - Copper				Service line diameter is > 2 inches		Water quality sampling		
18	Non-Lead - Plastic				Service line repair or replacement record		Mechanical excavation at one		
19	Non-Lead - Other				Service line repair or replacement record		Mechanical excavation at multiple		
20	Unknown - Likely Lead				Predictive model		Visual inspection at the meter pit		
21	Unknown - Unlikely Lead				Water sampling only with no records		Other		
22	Unknown - Material Unknown				Field inspection only with no records				
23					Other				
24									
25									

	P	Q	R	S	T	U	V	W
2	Detailed Inventory							
3	PWS Name:							
4	Date Last Updated:							
5	Customer-Owned Portion							
9	Customer-Owned Portion							
10	Customer-Owned Portion Service Line Material Classification	Service Line Installation Date	Service Line Size	Basis of Material Classification	Was the Service Line Material Field Verified?	If "Yes" Service Line Material Was Field Verified:		Notes
11						Describe the Field Verification Method	Enter the Date of Field Verification	
14	Lead			Previous Materials Evaluation	Yes	Customer self-identification		
15	Lead-lined galvanized			Installation record (e.g., tap card)	No	CCTV investigation at curb stop - internal		
16	Galvanized			Installation date after lead ban		CCTV investigation at curb stop - external		
17	Non-Lead - Copper			Service line diameter is > 2 inches		Water quality sampling		
18	Non-Lead - Plastic			Service line repair or replacement record		Mechanical excavation at one location		
19	Non-Lead - Other			Predictive model		Mechanical excavation at multiple locations		
20	Unknown - Likely Lead			Water sampling only with no records		Visual inspection at the meter pit		
21	Unknown - Unlikely Lead			Field inspection only with no records		Other		
22	Unknown - Material Unknown			Other				
23								
24								
25								

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
2	Detailed Inventory									
3	PWS Name:									
4										
5	Date Last Updated:									
9	Entire Service Line Material Classification	Other Potential Sources of Lead			Additional Information to Assign Tap Monitoring Tiering			Lead Service Line Replacement (LSLR)		
10		Is there a Lead Connector?	Is there Lead Solder in the Service Line?	Describe Other Fittings and Equipment Connected to the Service Line that Contain	Building Type Connected to Service Line	Point-of-Entry or Point-of-Use Treatment Present?	Does the Interior Building Plumbing Contain Copper Pipes with Lead Solder Installed Before Your State's Lead Ban (Generally 1986	Current LCR Sampling Site?	Date of System-owned LSLR	Date of Customer-owned LSLR
11										
14		Lead	Yes	Yes		Single Family Residence	Yes	Yes	Yes	
15	Galvanized Requiring Replacement	No	No		Multiple Family Residence	No	No	No		
16	Non-Lead	Don't Know	Don't Know		Building	Unknown	Unknown			
17	Unknown				Other					
18	Pull Down									
19	Menu Items									
20										
21										
22										
23										
24										
25										



SW EFC Water and Wastewater Assistance Program: Helping New Mexico Systems Access BIL Funding

We assist drinking water, wastewater, and stormwater systems by:

- Helping systems **apply for infrastructure funding** through the Bipartisan Infrastructure Law, the State Revolving Fund, and other funding opportunities.
- Providing **technical assistance** to help systems identify and assess their infrastructure and financial needs.

Our program focuses on traditionally underserved and disadvantaged communities.

We can help with:

- **Evaluating system needs:** initial assessments, studies, plan development and coordination, asset management, and assistance seeking funding for preliminary studies and plans
- **Project development:** alternative analysis, selecting engineers, lead service line inventories (LSLs), project management, and assist with environmental reviews and preliminary engineering reports (PERs).
- **Technical assistance and capacity building:** decision maker and board education, building water system partnerships, trainings and webinars
- **Finance and funding:** rates and revenue analysis, financial planning, identification of funding options, and application support.
- **Construction management:** bid support, change order reviews, project inspection (limited services), and federal requirement assistance.

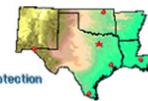
Interested? Contact us:

Hayley Hajic
Project Director
hhajic@unm.edu

Tucker Colvin
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