



PUBLIC WORKS COMMITTEE AGENDA

October 25, 2022 – 5 PM | Council Chambers, City Hall.

- 1. Call meeting to order**
- 2. Approval of Minutes**
 - a. Regular Meeting: August 23, 2022, and September 27, 2022
- 3. Public Comment - Limit to three minutes per person**
- 4. Old Business**
 - a. None
- 5. New Business**
 - a. 120 Water proposal for the New Lead and Copper Rule Revisions (LCRR) - Trent
 - b. Pay Estimate #5 approval to finance and Council for H&H Contracting for the Passenger Refueling Area project - Trent
 - c. Pay Estimate #3 approval to finance and Council for MJD Contracting for the Landfill Drying Bed project - Trent
 - d. Pay Estimate #1 approval to finance and Council for Hollow Contracting for the 2022 Street Maintenance project - Trent
- 6. Staff Comments**
- 7. Announcement of the next meeting:**
 - a. November 22, 2022, at 5 PM
- 8. Adjournment**

Public Works Committee

Garbage | Sewer | Streets | Trees | Wastewater | Water | City Parks

Members

John Henderson (Interim Chair) | Jackie Greenwood | Gordon Pierson

PUBLIC WORKS COMMITTEE MINUTES

August 23, 2022, at 5PM | Council Chambers, City Hall.

Members Present:	John Henderson, Jackie Greenwood, Gordon Pierson
Members Absent:	None
Mayor:	None
CAO:	Jordan Green
Council Member:	None
Staff:	Trent Freeman, Cyndi Thompson
Consultants:	None
Guests:	See Sign in Sheet

1. Call Meeting to Order

Chairperson Greenwood called the meeting to order at 5:01PM.

2. Approval of Minutes

- a. Regular Meeting: July 26, 2022

Chairperson Greenwood motioned to approve the minutes as presented. Chairperson Greenwood seconded the motion. 2 Ayes, 0 Nos, 1 abstained. Motion passed.

3. Public Comment - Limit to Three Minutes Per Person

- a. Member Greenwood has stepped down as Chairperson but staying on as a committee member. Member Henderson will serve as Interim Chairperson till new Chair is voted on.

4. Old Business

- a. Citywide Sidewalk Repair Application Review – Jordan/Trent
Draft application was presented to the committee for review and any changes and comments.

Member Greenwood motioned to table this till city staff reviews changes from committee and reviews with Public Works Supervisor and City Attorney. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

5. New Business

- a. Business District Striping Task Order – Trent
Parking layout plan Task Order from Stahly Engineer in the amount of \$3,200.00. Once layout is set, Public Works crew will be able to maintain the strips as set.

Member Greenwood motioned to approve task order as presented. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

- b. Water Modeling Task Order – Trent
Stahly Engineering Task Order in the amount of \$58,000.00. This will include Water CAD water modeling software intersection elevations for all streets within the city, preparing the water mains and hydrants within the City, and utilizing the software to analyze the City's water system.

Member Greenwood motioned to approve the task order as presented. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

- c. Water SCADA System Upgrade – Trent
INControl Water SCADA System Upgrade in the amount of \$79,829.00. The water control system was found to be operational, but in need of upgrades due to much of the equipment being obsolete and difficult to find replacements for. INControl recommends beginning the overall system improvements by replacing the existing SCADA computer, City Hall Control Panel, and control software at all remote sites. All control panel software and SCADA programming will mirror the look and feel of the WWTP SCADA control system.

Member Greenwood motion to approve the INControl proposal as presented. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

- d. Water & Wastewater Annual Cybersecurity Proposal – Trent
INControl Water & Wastewater Annual Cybersecurity Proposal for the amount of \$6,532.00 with an annual cost of \$5,087.00. INControl has developed an Automation & Cybersecurity Service Plan collaborating with Watchguard, a leader in network security. The service plan provides regular inspections, testing, and maintenance of your control system and its cybersecurity defenses.

Member Greenwood motioned to approve the INControl proposal as presented. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

- e. Drying Beds Pay Estimate #2 – Trent
Payment Request No. 2 from MJD Contracting through Morrison Maierle for the landfill drying bed project in the amount of \$49,376.25. The estimate is for concrete placement for the drying bed walls.

Member Greenwood motioned to approve Pay Estimate No. 2 as presented. Member Pierson seconded the motion. 3 Ayes, 0 Nos. Motion passed.

6. Committee Comments or Concerns:

1. Trent discussed the Lead/Copper rule.
2. Member Greenwood asked about rules sign at the Skatepark.

7. Announcement of the next meeting

- a. September 27, 2022, at 5pm.

8. Adjournment

- a. Meeting adjourned at 6:02PM.

Prepared by Cyndi Thompson, City Clerk

John Henderson, Interim Chairman

Date

Public Works Committee

Garbage | Sewer | Streets | Trees | Wastewater | Water | City Parks

Members

John Henderson (Interim Chair) | Jackie Greenwood | Gordon Pierson

PUBLIC WORKS COMMITTEE MINUTES

September 27, 2022, at 5PM | Council Chambers, City Hall.

Members Present: John Henderson, Gordon Pierson
Members Absent: Jackie Greenwood
Mayor: None
CAO: None
Council Member: None
Staff: Trent Freeman,
Consultants: None
Guests: See Sign in Sheet

1. Call Meeting to Order

Interim Chairperson Henderson called the meeting to order at 5:00PM.

2. Approval of Minutes

a. Regular Meeting: Deferred till next meeting

3. Public Comment - Limit to Three Minutes Per Person

a. None

4. Old Business

a. Vote on New Committee Chair

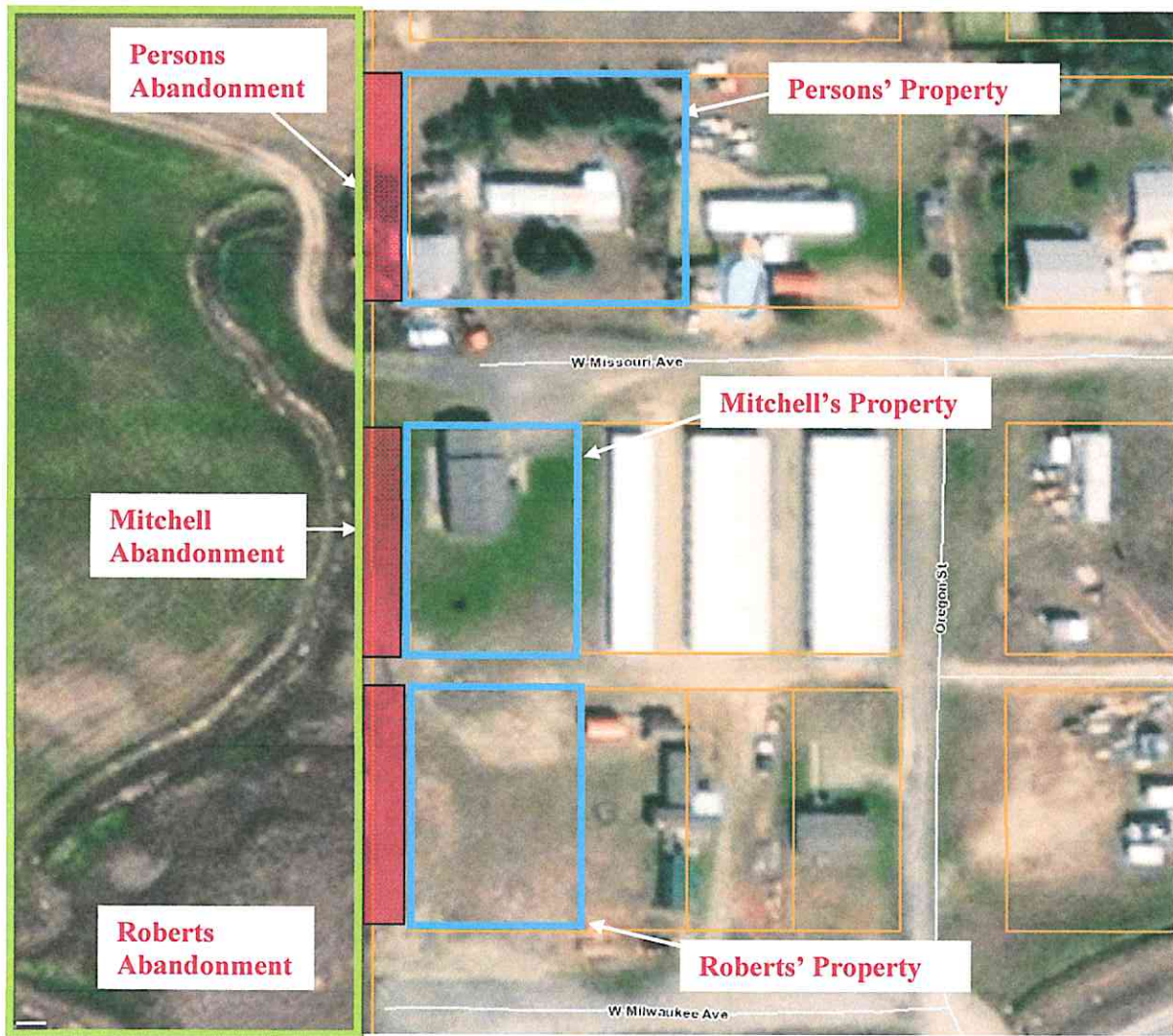
Interim Chairperson Henderson motioned to table till next meeting as all committee members not present. Member Pierson seconded the motion. 2 Ayes, 0 Nos. Motion Passed.

5. New Business

a. Persons/Mitchell/Roberts Alley Abandonment – Jordan

Request:

Three Requests for Abandonment of City-owned Property were filed with the City of Deer Lodge on September 6, 2022. These requests are for three separate lengths of the unnamed alley right-of-way between the Grant-Kohrs Ranch National Historic Site and the three properties in the Northwest Townsite owned by the applicants. Jerry and Debra Persons submitted for the right-of-way adjacent to their property: Lots 10-14 of Block 7 ("Persons Abandonment"). Kathryn Ann Mitchell submitted for the right-of-way adjacent to their property: Lots 7-9 of Block 18 ("Mitchell Abandonment"). David O. Roberts submitted for the right-of-way adjacent to their property: Lots 10-12 of Block 18 ("Roberts Abandonment"). See below an Exhibit that shows the location of the three requested abandonments. The purpose of said requests are to hire a surveyor to aggregate the rights-of-way into their three separate properties for future use.



Staff Recommendation:

PERSONS' ABANDONMENT: Staff recommends the abandonment of the City owned property described as the approximately 20' by 130' alley right-of-way between the Person's property and National Parks Service to the applicant **for the sale price of \$3,957.20.**

Adjacent Property	Square Feet	Land Taxable Value	Value/SF
Adjacent Property	Square Feet	Land Taxable Value	Value/SF
East	19,600	29,834	1.522

Value/SF	1.522
SF of Abandonment	2,600.00
Abandonment value	\$3,957.20

Committee agreed to the value/sf at 1.522, sf of abandonment with an abandonment value at **\$3,957.20**

MITCHELL ABANDONMENT: Staff recommends the abandonment of the City owned property described as the approximately 20' by 130' alley right-of-way between Mitchell's property and National Parks Service to the applicant **for the sale price of \$5,046.60.**

Adjacent Property	Square Feet	Land Taxable Value	Value/SF
East	12,480	24,228	1.941

Value/SF	1.941
SF of Abandonment	2,600.00
Abandonment value	\$5,046.60

Committee reassessed the value/sf at 1.522, sf of abandonment with an abandonment value at **\$3,957.20.**

ROBERTS' ABANDONMENT: Staff recommends the abandonment of the City owned property described as the approximately 20' by 140' alley right-of-way between Roberts' property and National Parks Service to the applicant **for the sale price of \$4,384.80.**

Adjacent Property	Square Feet	Land Taxable Value	Value/SF
East	13,300	20830	1.566

Value/SF	1.566
SF of Abandonment	2,800.00
Abandonment	\$4,384.80
value	

Committee reassessed the value/sf at 1.522, sf of abandonment with an abandonment value at **\$4,261.60**.

Staff also recommends the Public Works Committee and City Council require the petitioners to give to the City proof in writing from Northwest Energy that the proposed abandonments will have no impact on their ability to access the power line over the rights-of-way before the abandonments are approved. An easement right from Northwest Energy is the preferred method of accomplishing this.

Pursuant to §7-14-4114, MCA, the applicants will be responsible for getting in writing for each property confirmation from Grant-Kohrs Ranch National Historic Site or the National Park Service stating that Grant-Kohrs Ranch National Historic Site has no claim to the rights-of-way in question and that they have no issue with the applicants aggregating the entirety of the rights-of-way into their respective properties.

Requiring different sale prices is at the discretion of the Public Works Committee and City Council.

Upon recommendation by the Public Works Committee, the petitions will be scheduled for duly noticed public hearings before the City Council in accordance with §7-1-4127, MCA. All public notice fees will be paid by the applicants. Should the Council resolve to sell the properties by a two-thirds vote as required by §7-8-4201(2)a, MCA, the applicants will be responsible for contracting a licensed surveyor to file a Certificate of Survey aggregating the properties and their related abandoned rights-of-way, as well as Quitclaim deeds with the Powell County Clerk and Recorder. These documents must be approved by the City and be in full adherence to City of Deer Lodge subdivision review exemption requirements. All surveyor, survey review, and filing fees will be the sole cost of the applicants.

Interim Chairperson Henderson motioned to the above set Abandonment Values for each property, and this will be presented to City Council after property owners provided the required documents as noted in the staff report. Member Pierson seconded the motion. 2 Ayes, 0 Nos. Motion passed.

- b. Public Works Report – Trent
Report accepted as presented. Public Works Supervisor Trent Freeman summarized ongoing and completed projects.

6. Committee Comments or Concerns:

- a. None

7. Announcement of the next meeting

- a. October 18 25, 2022, at 5pm.

8. Adjournment

- a. Meeting adjourned at 6:02PM.

Prepared by Cyndi Thompson, City Clerk

John Henderson, Interim Chairman

Date

Public Works Committee

Garbage | Sewer | Streets | Trees | Wastewater | Water | City Parks

Members

John Henderson (Interim Chair) | Jackie Greenwood | Gordon Pierson



120Water

City of Deer Lodge - MT

City of Deer Lodge -MT

300 MAIN STREET

-

Deer Lodge, MT 59722

United States

Reference: 20220915-150744771

Quote created: September 15, 2022

Quote expires: November 14, 2022

Quote created by: Joseph Duysen

Regional Account Manager

joseph.duysen@120water.com

Trent Freeman

tfreeman@cityofdeerlodgemt.gov

1-406-594-2240

Comments from Joseph Duysen

Products & Services

Item Name & Description	Unit Price	Quantity	Term (months)
Pro - Public Water System Annual subscription PWS Pro package to manage programs and data. Unlimited users	\$5,810.00 / year	1	12
Esri Connector Data Matching between 120Water and Esri	\$2,500.00 / year	1	12

Item Name & Description	Unit Price	Quantity	Term (months)
Professional Services (Assist) Discrete tappable specifics under each scope area (block of 20 hours)	\$2,500.00 / year	2	12
Implementation Setup, Configuration and Guided Web Training of the 120Water Account	\$1,500.00	1	12
4x8 undesigned Postcard printed double sided with postage Postcard sent outside the platform	\$1.75	250	12
Subtotals			
Annual subtotal			\$11,688.50 after \$1,621.50 discount
One-time subtotal			\$1,937.50
	Total		\$13,626.00

Purchase terms

Invoice Terms: Net 30

Billing Street Address: 300 Main Street

Billing City: Deer Lodge

Billing State: MT

Billing Zip Code: 59722

Billing Country: USA

Billing Notes (if applicable):

This Order Form, together with the Master Services Agreement available at <https://120water.com/master-services-agreement/> (the "MSA"), shall become a legally binding contract upon the earlier of (a) the date both parties execute the Order Form or (b) the date Customer initially began using the Services. Any capitalized word not otherwise defined in this Order Form shall have the same meaning as set forth in the MSA.

120Water may reject this Order Form if: (1) the signatory below does not have the authority to bind Customer to this Order Form, (2) changes have been made to this Order Form (other than completion of the purchase order information and signature block), or (3) the requested purchase order information or signature is incomplete or does not match our records or the rest of this Order Form. Subscriptions are non-cancelable before their end of the Term.

Signature

Signature

Date

Printed name

Countersignature

Countersignature

Date

Printed name

Questions? Contact me



Joseph Duysen
Regional Account Manager
joseph.duysen@120water.com

120Water
250 S Elm St
Zionsville, IN 46077
US

Create and Validate Your Service Line Inventory with 120Water

The Lead Service Line inventory is the first step to Lead and Copper Rule Compliance—and it's no easy task. The process of locating, recording, and validating material types for your service lines is not only mandatory under the revised Lead and Copper Rule, but it lays the groundwork for future replacement plans as the nation works to get the lead out and protect public health.

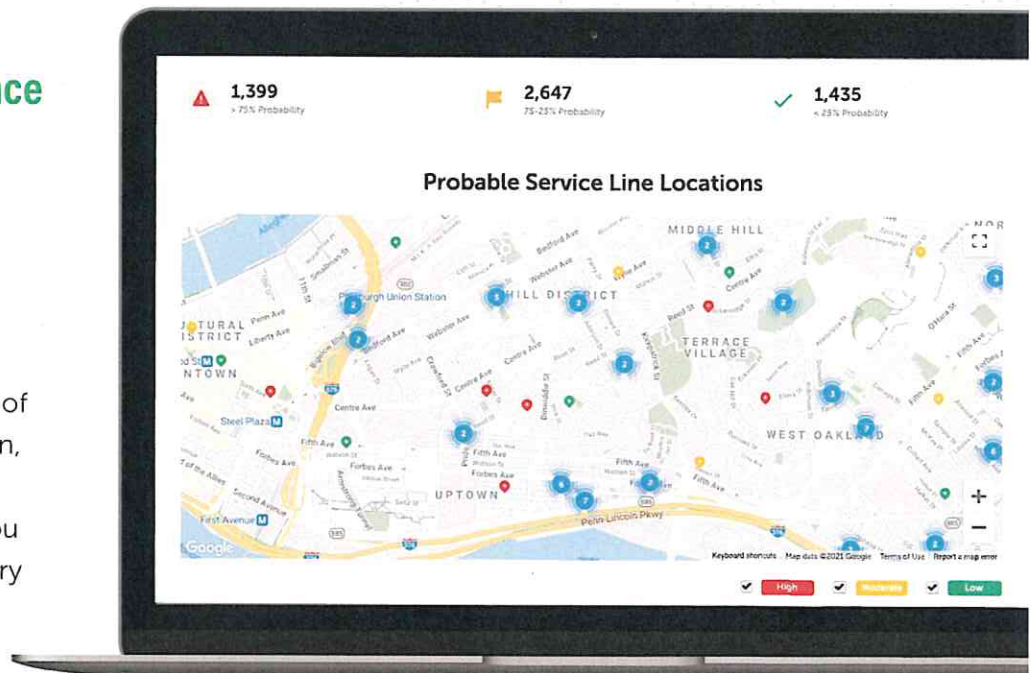
LCR Revisions

What You Need To Know

- Utilities **must conduct** a location-based inventory of all service lines, including lead pipes, galvanized pipes previously connected to lead, non-lead pipes, and unknowns, by 2024
- If LSLs are found, utilities **must create** a Lead Service Line Replacement Plan
- The inventory **must be made publicly available**, either upon request (utilities serving less than 50,000 customers) or accessible online (utilities serving more than 50,000 customers)

Achieve LSL Inventory Compliance with Confidence

120Water's Service Line Inventory Solution is the only way to build and manage a location-based inventory from start to finish. Our combination of kits, software, and consultative services will help you understand the current landscape of your lines, validate that information, and communicate effectively. The comprehensive solution guides you through each stage of the inventory process, ensuring efficiency and compliance at every turn.



120Water™

Trusted by



To learn more, visit 120water.com



Develop A Preliminary Inventory

Regardless of your starting point, the 120Water services team will provide curated recommendations for your LSL project, walking your team through the processes of identifying current data, performing a quality analysis, and digitizing information to load into the 120Water platform.



Predict LSL Locations Using Machine Learning

120Water's Probability Finder uses machine learning to accurately predict the presence of lead in any unknown service line locations within your data set. Uncover clear next steps for prioritization and verification. The highly credible model will continuously provide scientifically validated outputs, with our service team proposing verification plans based on that data. Achieve a level of confidence that allows you to submit a compliant, verified inventory.



Validate Your Inventory

Easily segment your data in order to assign the appropriate validation techniques. Once data is added to verification projects, clear workflows break the validation process into manageable segments. 120Water's ability to ship

External ID	Address	Tier	Program	Events	Probability	Date Evaluated	Public	Private
-	8275 Main St, Pawnee, IA 46277	1	Lead Service Line Replacement LSL Verification	2018 Lead Service Line Replacements, Private Side Verification	100%	07/10/2021	Unknown	Unknown
-	4017 Waverly Blvd, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Sample Side Verification, Private Side Verification	-	-	Co x Unknown Solder	Unknown
255	5293 Lincoln Dr, Pawnee, IA 46277	-	Consumer Request Program LSL Verification	2018 Consumer Requests	-	-	PVC	PVC
8239	209A Columbus St, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Private Side Verification	-	-	Lead	Unknown
2058	729 South St, Pawnee, IA 46277	-	Consumer Request Program LSL Verification	2018 Consumer Requests	-	-	Co x Unknown Solder	Lead
8602	6388 Grand Dr, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Private Side Verification	85%	07/12/2021	Unknown	Unknown
3466	1228 Michigan Ave, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Private Side Verification	84%	02/10/2021	Unknown	Unknown
1112	9415 Sokoloff St, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Private Side Verification	83%	02/10/2021	Unknown	Unknown
7725	1789 Rice Dr, Pawnee, IA 46277	1	Consumer Request Program LSL Verification	2018 Consumer Requests, Private Side Verification	99%	02/10/2021	Co, No Lead	Unknown
7986	4013 Benjamin, Pawnee, IA 46277	-	Consumer Request Program LSL Verification	2018 Consumer Requests	99%	02/10/2021	PVC	PVC

The 120Water services team will provide curated recommendations for your LSL project.

and track Lead-Check swabs makes for user-friendly private-side validation, while mobile collection forms can be used by field teams for public side lines. Results flow directly into the platform for simple, centralized data coordination.



Ensure total Compatibility with GIS

120Water is able to push and pull data to and from your GIS, mapping LSL data to make sure that your utility's data is centralized and continuously up-to-date. Act with confidence knowing that no information has slipped through the cracks, with no manual data transfer necessary.

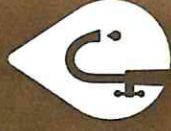


Meet Communication Compliance Requirements

Create the LCRR-mandated public transparency dashboard to show service line materials for all residents within your community. In addition, 120Water's Communications Module manages the creation and delivery of consumer notifications, keeping your system within the mandated 24-hour notification requirements when necessary.

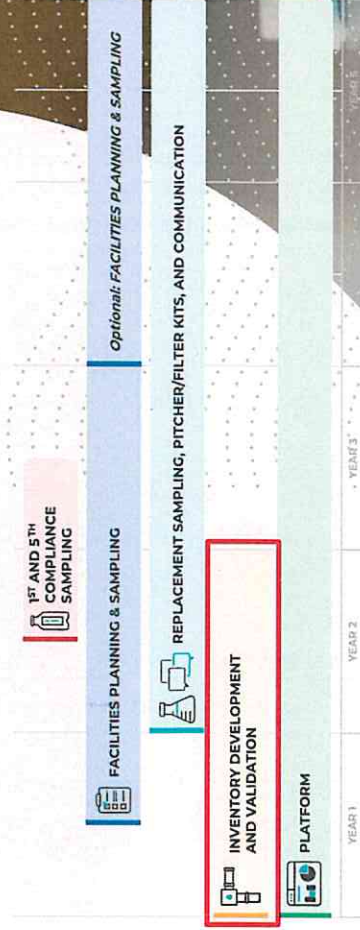


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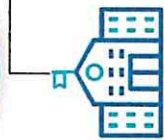
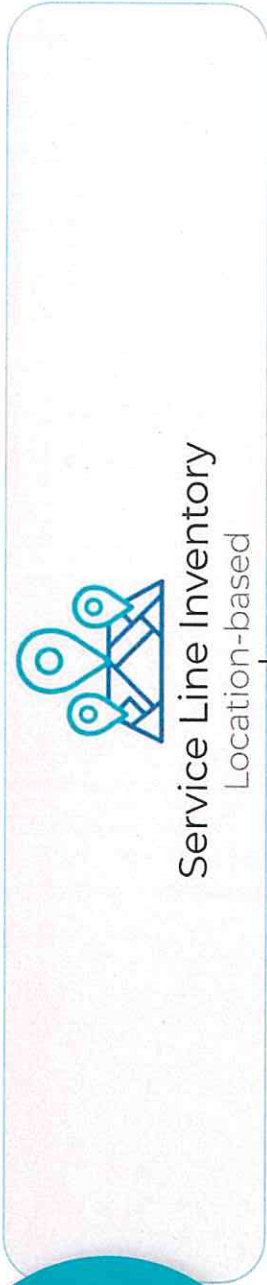


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Inventory



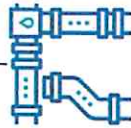
Foundation
for achieving
LCRR
compliance



School & Childcare
Facility Sampling



24-Hour Notice
Triggered Communication



Replacement
Sampling & Filters



"Find & Fix" Provision
Retest & Remediate



Action & Trigger Level
15 ppb vs 10 ppb

Key Dates

December 16, 2021
LCRR Effective Date

October 16, 2024
LCRR Compliance Date

Prior to October 16, 2024
EPA Finalizing Lead and
Copper Rule Improvements
(LCRI)

Why Now?

Overview

EPA Revisions: Lead Service Line Inventory

Public Water Systems must develop a preliminary inventory of both **public** and **private** side service lines within 3 years of final rule publication, and use this preliminary inventory to create a replacement plan for known or possible lead service lines.

Get Started

LCRR playbook for distribution systems that likely **have lead**

Develop

1. **Develop Preliminary Inventory**
 - a. **Gather, digitize, and clean existing SL data**
 - b. **Include inventory of schools & daycares**
2. Create Customer Engagement Strategy
3. *Run Predictive Model*

Verify

4. Verify Preliminary Inventory
 - a. Verification planning/prioritization
 - b. Execute *private-side* field projects
 - c. Execute *public-side* field projects
 - d. *Re-run Predictive Model*
 - e. Create Replacement Plan
5. Provide Public Transparency Dashboard

Replace, Sample, Report

6. Pitcher/Filter Program
7. Sampling
 - a. Replacement monitoring
 - b. 1st and 5th Liter Compliance Monitoring
8. Manage Schools & Daycares Sampling
9. Report (as necessary) to Primary Agency



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Who?



What do I care about? Three buckets (generally):

Current perception:

1. I know have no lead.
2. I don't have adequate records.
3. I know I have lead.

Perceived Need:

1. What is the minimum I need to do to be compliant?
2. I either just need to get compliant (reactive) or I am actively trying to pull lead out (proactive).
3. I either just need to get compliant (reactive) or I am actively trying to pull lead out (proactive).

Talking Points

Who?



Proactive:

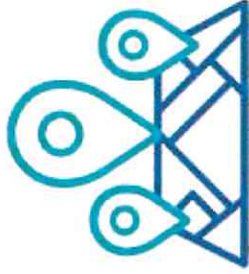
- Submitting the LSL Inventory is just the first step.
- Having an integrated solution that can help you manage **every aspect** of your LCR programs will save you money and countless hours of manual work.

Reactive:

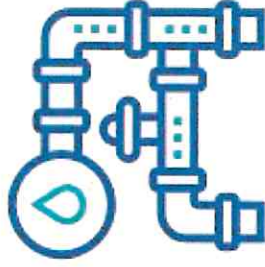
- There is no point in digging holes if you know you have no lead, use 120's data and predictive modeling to **verify and expedite** your processes.
- We are an end-to-end solution so you don't have to think about managing multiple projects just to get compliant, allowing you to spend time on more important issues

The Problem

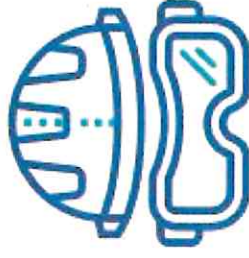
Starting points



**No Current LSL
Program**



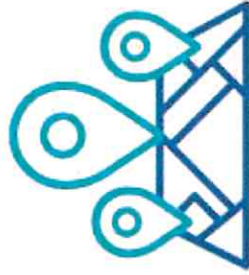
**“Find and Fix”
Program**



**Active LSL
Program**

The Problem

What are they currently doing?



No Current LSL Program

Current situation

- Limited to no LSL inventory
- In compliance for LCR
- Not actively replacing LSL's

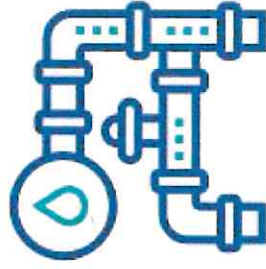
How we can help

- Develop your inventory
- Find and manage all data
- Create an LSLR plan
- Ensure compliance



The Problem

What are they currently doing?



“Find and Fix” Program

Current situation

- At least a limited LSL inventory
 - Likely still largely unknown materials
- In compliance for LCR
- Not proactively replacing LSL's
- If LSL's are found during Main replacement or repairs, LSL's are traditionally replaced on public side; private side replaced at low interest loan

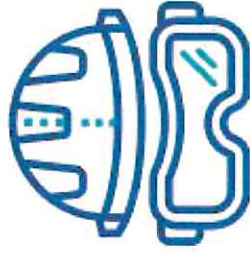
How we can help

- Develop/finish your inventory
- Manage all data (including partial data from Find and Fix)
- Create an LSLR plan
- Ensure compliance



The Problem

What are they currently doing?



Active LSL Program

Current situation

- Limited to Advanced LSL inventory
 - Likely still largely unknown materials
- Actively replacing Public and/or Private LSL's
 - May provide financial relief to customers
- May or may not be in Compliance for LCR

How we can help

- Develop and/or validate your inventory
- Manage all data
- Help develop the most efficient replacement plan
- Ensure compliance
- For replacement: we communicate to customers, provide POUs, and provide sampling pre/post replacement



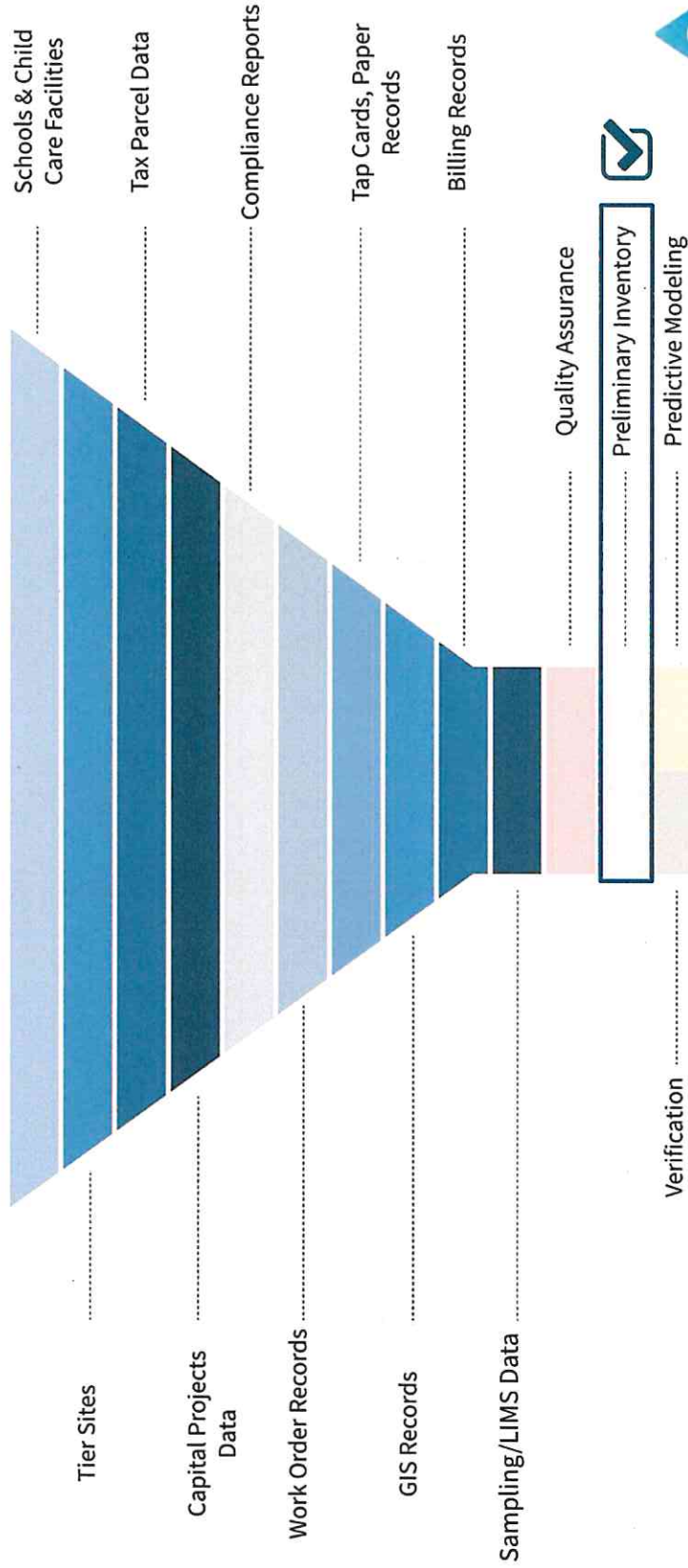
Top Data Sources to Build Your Inventory

- Top Data Sources:
 - GIS, work order + billing systems
 - Contractors
 - Historical Records
 - Tax parcel data
 - Customers
 - Capital improvement projects
 - Other Documentation
- Tips for finding and digitizing these records?
 - Check policy and plumbing codes when LSL restricted relative to federal ban in 1986
 - Examine your existing data
 - Layer in city records (such as tax parcel data) to understand home age and relevant data points
 - Communicate and collaborate with personnel throughout the utility

Preliminary Inventory Development

Develop

Create your inventory, regardless of starting place



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Methods for Verification

(What are the most common methods for inventory verification?)

Digital

Valuable if PWS has access to robust datasets, both digital and physical.

- Data mining of existing databases
 - E.g., GIS
- Predictive modeling/ machine learning
- Physical asset digitization and transcription
 - E.g., Tap Cards

Interior

Valuable if resident population can be engaged to assist in mostly-private side data collection.

- Door-to-door inspections
- Resident survey & photos
- Inspections during compliance sampling
- Contractor inspections
- Scratch and magnet tests
- Water quality sampling

Exterior

Valuable if PWS has large capital budget and wants to optimize planned investments.

- Field Validation
 - E.g., potholing
- Planned capital programs
 - E.g., water main rehabilitations

Customer Engagement Strategy

Develop

Planned, Proactive, Positive

Automated and triggered communications

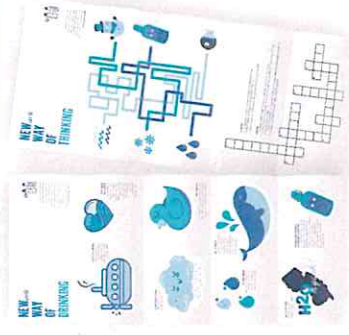
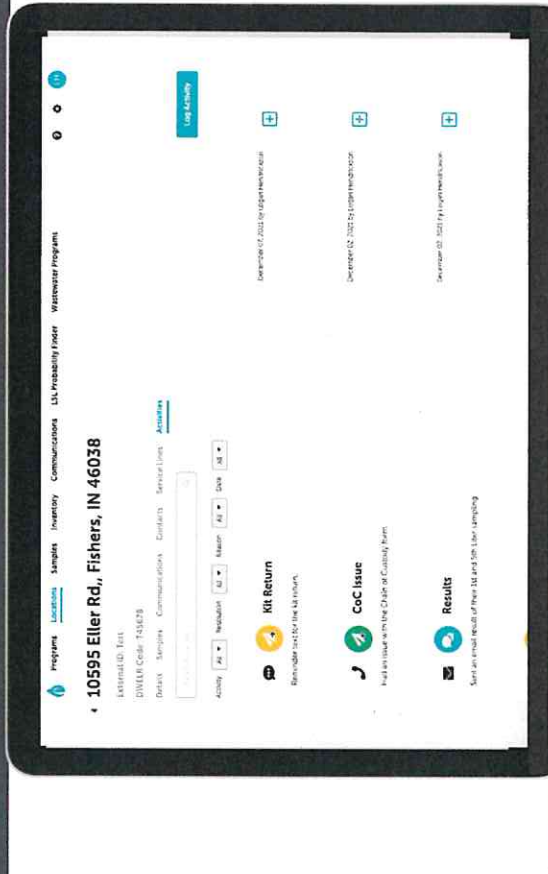
- Automatically generate and send templated notices anytime and anywhere they are needed.
- Engage with one location or the entire distribution system with a few clicks.

End-to-end activity tracking

- See history of all communications and activities with customers by location.

Custom postcards and surveys

- Provide an engaging and positive brand experience.



The 120Water LSLI Solution

The 120Water platform + services helps our clients develop a preliminary inventory, chart a path for accurate long-term data, deliver a compliant LSLI by 2024, and plan for replacement programs.

Platform

The only place to track, manage, and analyze all the data needed for LCRR compliance

- Develop and manage an inventory
- Manage inventory validation (on public and private lines)
- Make data publicly available
- Communicate with customers
- Integrate with existing tools like GIS

Services

Our expert consultative services can walk you through every step from inventory to compliance

- Develop preliminary inventory
- Compliance documentation
- Inventory development campaigns
- Lead Check Swabs
- Customer Survey Postcards
- Replacement Planning

Differentiators

Address-centric records is a differentiator. For any customer address, the client will know:

- The SL material (or probability of lead) and verification method
- The status and/or results of any compliance or replacement sampling
- The status of receiving pitcher/filter kits
- A history of all received and scheduled communications



Services

Our LSLI services (in general) include:

Year 1

- Developing a preliminary inventory
- LSLI methods documentation for compliance purposes
- Year 1 Program Status Report

Years 2 + 3

- Continue building the inventory with campaigns (either directly engaging customers or leveraging existing utility projects) devised and executed by the Program Consultant in collaboration with the client.
- Replacement planning
- Program Status Report: Review and report of LSLI progress, risk areas, and recommendations for future years

Lead Check Swabs + Lead Survey Postcards

- Recommend strategy for where and how to deploy them
- Development of surveys to gather data
- Review and quality control of the information coming in for the campaign
- Insuring all data collecting during the campaign is in the platform and/or presented in a manner most useful to the client

1. Preliminary Inventory Development

✓ Create your inventory, regardless of starting point

- A service offering.
- We determine, collect, digitize, and import client's existing inventory - including physical tap cards, GIS data, and more.
- Visually display known inventory and sort by known/unknown and material type for both public/private lines.
- We perform QA to ensure data integrity.
- We import all additional addresses with unknown inventory.
- A key piece of PID will be the identification and flagging of all **schools and daycares** that will need to be a part of the later sampling process.

Programs
Locations
Samples
Inventory
Communications
LSL Probability Finder

◀ **5701 Rippey St, Pittsburgh, PA 15206**

Details Samples Communications Contacts Service Lines Activities

External ID: 2858 Service Line: 2858 Active

ocks

Pittsburgh

40.466062, -79.92663

Map Data Terms of Use

<p>Programs</p> <p>Consumer Request Program LSL Verification</p> <p>Event</p> <p>2018 Consumer Requests</p>	<p>Public Line</p> <p>Material Verification</p> <p>Cu + Unknown Solder</p> <p>Installed</p> <p>--</p> <p>Verification Date: Removal Date</p> <p>01/24/2021 --</p> <p>Diameter (in) Depth (in)</p> <p>1" 36"</p>	<p>Fittings</p> <p>Lead Fittings</p> <p>No</p> <p>Verification</p> <p>--</p> <p>Verification Date</p> <p>01/25/2021</p>
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Solution

Inventory

*Note on Inventory Development

An inventory consists of known and unknown materials, so every utility *technically* has an inventory today -- it's just a matter of understanding how much of that is known vs. unknown.

Unconfirmed service connections will be **assumed to contain lead*** and will impact a utility's numbers when it comes to the 3% they will need to replace annually.

*this can majorly impact a utilities cost of replacement

2. Lead Service Line Probability Finder

✓ Continue to build and validate your inventory with speed, accuracy, and efficiency

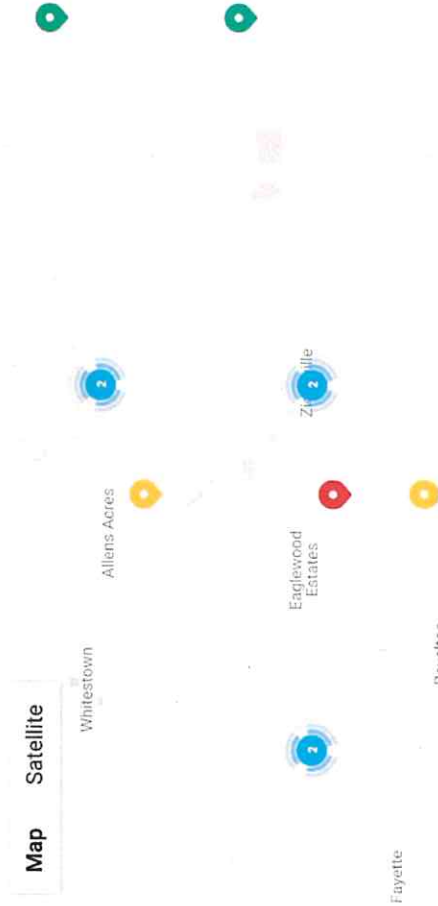
- Machine learning algorithm to predict which unknown service lines are made of lead in the distribution network
- Must have some verified LSL's in inventory to run the model
- Model will return a % chance that there is lead in the service line (either public or private) for an individual address
- We will analyze the results and propose a verification plan to the client
- As the client performs verifications and the materials are updated, the model is re-run and continues to increase in accuracy and confidence resulting in a "verified inventory"

Programs Locations Samples Communications [LSL Probability Finder](#)

LSL Probability Finder

8 > 75% Probability 10 75-25% Probability 10 < 25% Probability ✓

Probable Lead Service Line Locations



*Note on LSLPF

Solution

Inventory

#1

Build or Enhance Preliminary Inventory

Customer isn't sure if they have any lead lines or may have missing data, i.e. private or tax parcel data.



Services Needed before Using LSLPF

#2

Expand Preliminary Inventory

Customer has service lines with known materials for 250 locations. 50+ locations are known lead lines. Plus known tax parcel data for all service lines.



Ready to use LSLPF

3. Verification

Verify your inventory efficiently

120Water **Products** that Support verification

Consumables

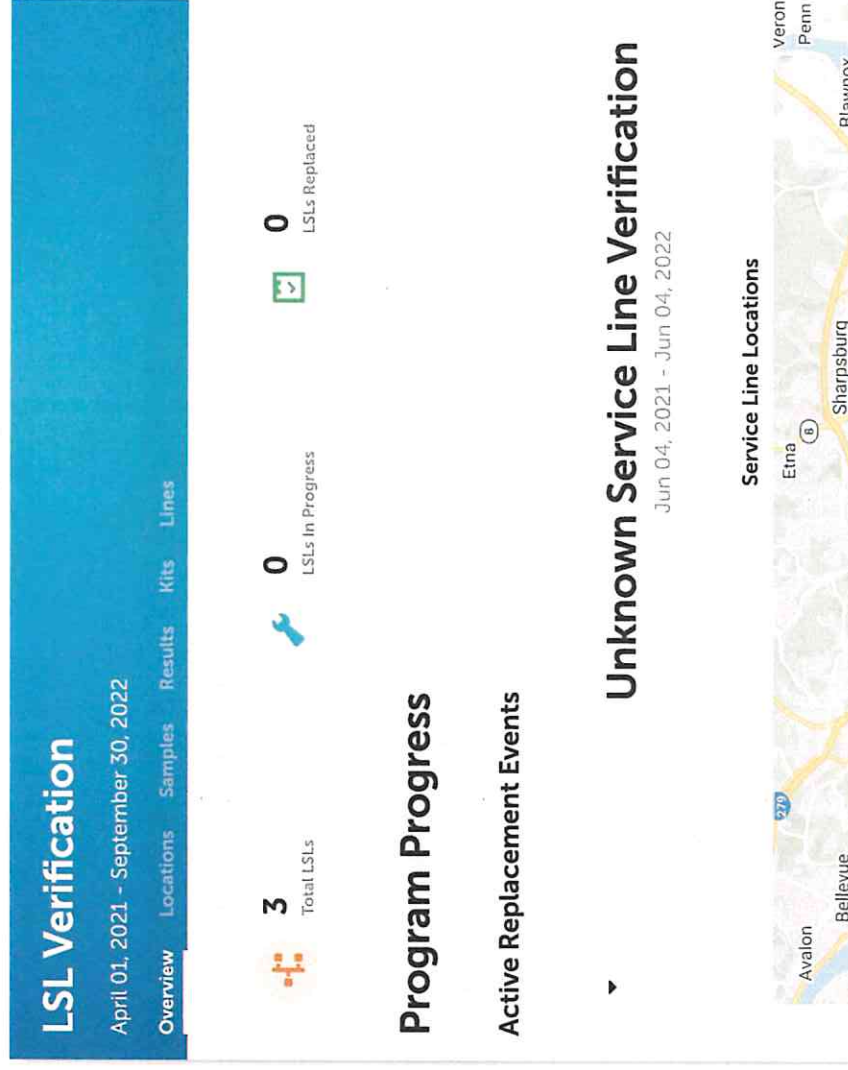
- Customer Survey Postcards
- Lead Check Swab Kit

Platform

- Schedule, monitor, and report on Field Tech Events

120Water **Services** for LSLI Validation Efforts

- Prioritization & planning workshops
- Deploy field teams for visual inspection or sample collection
- Customer engagement campaigns for private side data



Private-side Verification

Verify your *customer owned* inventory efficiently

Lead check swabs | Customer survey postcards

- Easy to use with clear instructions
- Customers digitally submit results in minutes
- Data is automatically imported into the software



Verify

Using Lead Check Swabs

Your local water utility is working hard to identify possible lead sources and we need your help!

These swabs are a quick and easy way to identify lead in your home's plumbing. As a participant in this assessment you were provided 2 swabs to apply to two locations in your home.



1. The Service Line
 2. Interior plumbing with solder
- REMEMBER: 1 Swab per location - DO NOT rub on more than one (1) location
Watch our video to learn how to find these! Visit <https://www.leadcheck.com> or scan the QR code.

FOLLOW THESE THREE SIMPLE STEPS:

- STEP 1:** If available, use sandpaper to scrub the lead pipe several times (See Figure 2). Then gently rub the swab on the A and B marks 50 times for 30 seconds. Swabs must be used on the test confirmation card. (See Pipe Lead Pipe: The tip will turn PINK or RED)
- STEP 2:** Crush the swab on the A and B marks 50 times for 30 seconds. Swabs must be used on the test confirmation card. (See Pipe Lead Solder: If you are testing leaded solder, the tip will turn PURPLE. This is caused by the presence of lead in the solder.)
- STEP 3:** Gently squeeze the tube while lightly rubbing for 30 seconds. Swabs must be used on the test confirmation card. (See Pipe Lead Solder: If you are testing leaded solder, the tip will turn PURPLE. This is caused by the presence of lead in the solder.)



EXAMPLES: Image 1 depicts a lead-free certified lead check swab, confirmed expected results. Image 2 depicts a leaded solder check swab, confirmed expected results.

PLEASE KEEP IN MIND:

- Swabs cannot be used to test water but, they do not have solder to test.
- Use one swab per surface and do not rub the swab on the same surface.

The letter contained in this kit will provide your findings.

Survey:

Street Address, Apt # (if applicable), City, State, and Zip Code where sample will be collected:

Customer Name: _____
Primary Phone: _____
Email Address: _____

LCR Participation:

- Yes, I would like to participate in the Lead and Copper Program.
- No, Please take me off the list at this time.

Structure Type (Check one)

- Single Family Home
- Multi Family Home (ex: Duplex, Apartment building)
- Other buildings- Explain below: _____

Year of Construction (Check one)

- If exact year is known, enter: _____
- After 1986
- July 1986 – December 1988
- January 1983 - June 1986
- Before 1983
- Unknown

In-home Water Treatment Device (Check all that apply)

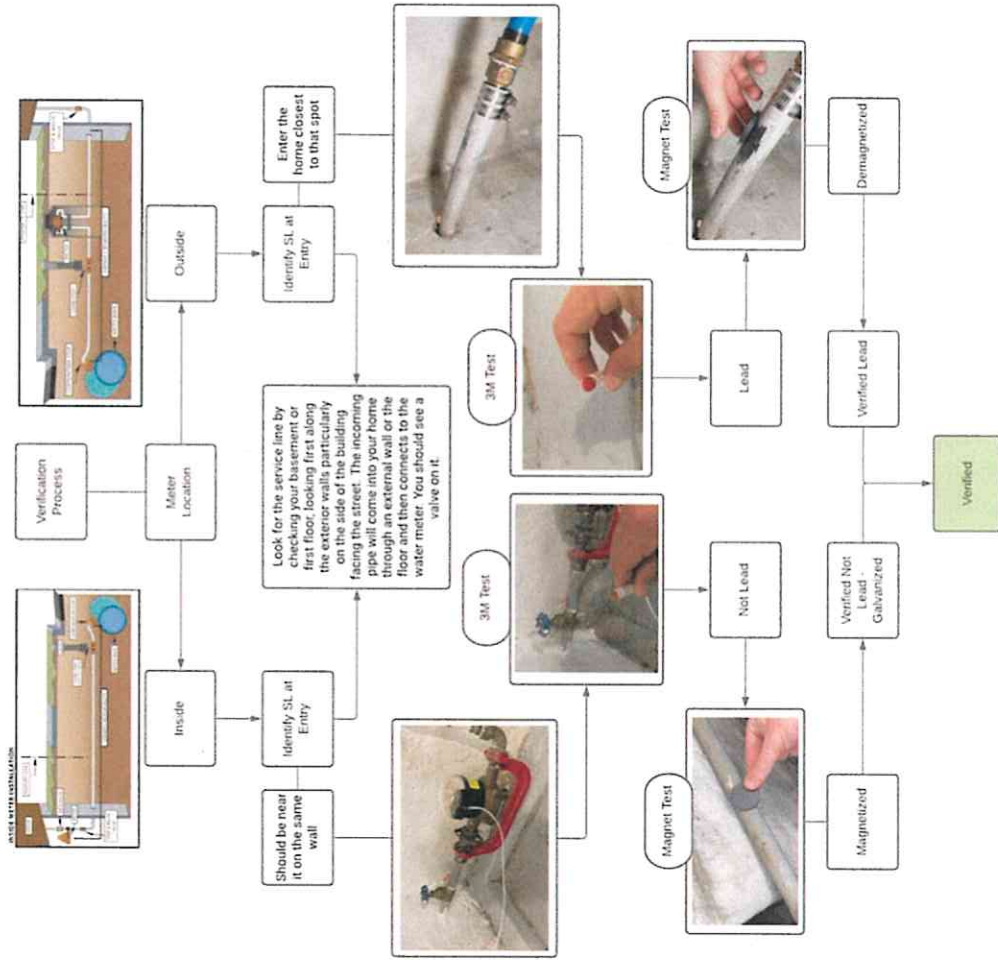
- Lead pipe
- Copper pipe without Lead Solder
- Copper pipe with Lead Solder
- Galvanized pipe
- Plastic pipe
- Original Plumbing has not been replaced
- Other: Explain below: _____

Plumbing (Check all that apply)

- None
- Water Softener
- Reverse Osmosis
- Whole house filter
- Filter at sink faucet
- Other: Explain below: _____

Verification Process

Verify



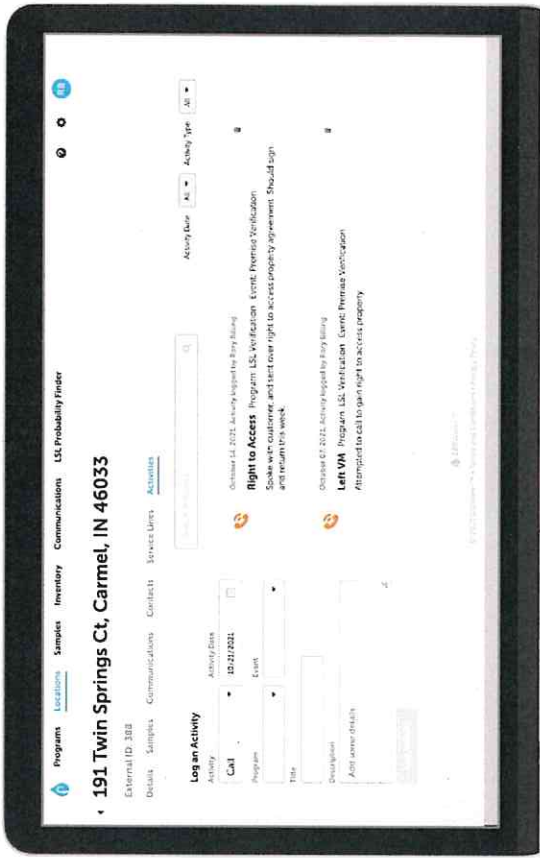
Private Line	Verification	Visual - Swab
Material	Verified By	Tony R.
Lead	Removal Date	--
Installed Date	Verification Date	07/07/2021
--	Diameter (in)	--
Verification Date	Depth (in)	--
07/07/2021	--	--

Public-side Verification

Verify

Verify your *utility* owned inventory efficiently

- Simple software to use in the field
- Upload photos and notes
- Maintain real-time records and monitor activities for every location



Public Line	Verification
Material	Cu, No Lead
Installed Date	06/23/1988
Verification Date	--
Diameter (in)	--
Depth (in)	--
Verified By	Paul B.
Removal Date	--

Solution

*Lead check Swabs

- Lead check swabs are a service line verification method that can typically only be used for the private side of a service line
- These are delivered to our client's customers by 120Water, including instructions of use.
- This is essentially a marker with a felt tip that turns red if the service line contains lead.
- The shipped materials will include a QR code for the resident to fill out the results as well as a place to upload a picture.
- Submission from the resident automatically updates the data in the 120Water platform
- Best used in municipalities with a large portion of residents who have physical access to their service lines.

Solution

*Field Tech Validation

- The 120Water platform can assign locations for field verification, but the client is responsible for verifying.
- Once sent to 120Water, the verification data will automatically update the service line material and verification method/status in the platform.
- Field Validation is a broad term that refers to visually confirming the material of a service line.
- Field techs will typically travel to sites, dig holes, and record info on materials, diameter, depth, etc.

4. Public Transparency (PT) Dashboard + Communications

Provide Public transparency and communicate with customers efficiently

PT Dashboard

- Shows the public and private side service line materials for all residents within a PWS service area
- Significantly easier to set-up and use than other PT options (like GIS)

The 120Water Communications Module

- Manages the creation and delivery of communications from the utility to its residents, like 24hr detection notices.
- Used when the utility needs to inform residents about the process and/or receive permission for field verifications.
- We can generate web-forms to capture any necessary information (e.g. home info, consent to perform a field verification, etc.)

Communications

Dashboard [Letters](#) [Audit Log](#)

Letter

Create a New Letter from a Template

Company Letterhead
Create Letter

Non-Detect Results Letter
Create Letter

Detect Results Letter
Create Letter

Exceedanc Lett
Create

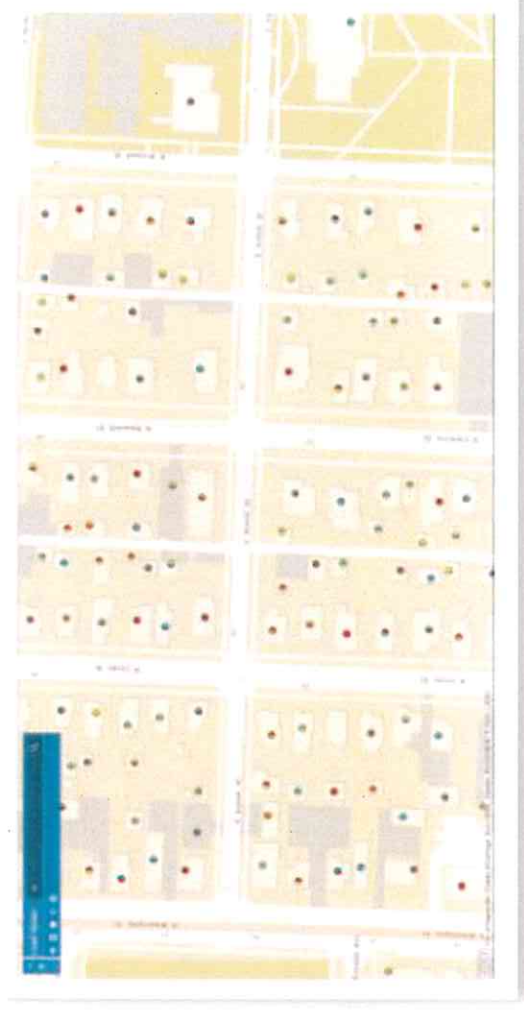
Showing 9 of 9 Letters

Communication Name	Type	Event	Template	#
Customer Survey	Letter		Company Letterhead	5
Lead Swab Mailer	Letter		Company Letterhead	0
Pothole Notification Letter	Letter	Unknown Service Line Verification	Company Letterhead	0

5. GIS Compatibility

Integrate with your current system of record

- GIS systems (e.g. ESRI) are where service line segments, and their characteristics (e.g. material type) will likely live long-term for a utility.
- 120Water can serve as the database if they do not have a GIS in place.
- We can use GIS data as part of our preliminary inventory development as well as send data back to GIS after process is complete.
- 120Water should be seen as a robust project management solution - not a GIS replacement.



How do I get started?

LCRR playbook for distribution systems that likely **have lead**

Develop

1. Develop Preliminary Inventory
 - a. Gather, digitize, and clean existing SL data
 - b. Include inventory of schools & daycares
2. Create Customer Engagement Strategy
3. *Run Predictive Model*

Verify

4. Verify Preliminary Inventory
 - a. Verification planning/prioritization
 - b. Execute *private-side* field projects
 - c. Execute *public-side* field projects
 - d. *Re-run Predictive Model*
 - e. Create Replacement Plan
5. **Provide Public Transparency Dashboard**

Replace, Sample, Report

6. Pitcher/Filter Program
7. Sampling
 - a. Replacement monitoring
 - b. 1st and 5th Liter Compliance Monitoring
8. Manage Schools & Daycares Sampling
9. Report (as necessary) to Primacy Agency



120Water™

What is it called? What does it do?

The Service Line Inventory Solution is an end-to-end **solution** (combination of products + services) that helps a PWS manage the development and/or verification of their service line inventory from start to finish.

We are the leading expert in LCRR and provide our clients with all they need to establish the foundational steps of LCRR with confidence.

Value Props

1. **Trusted (Expertise)** - Uncomplicate the LCRR with everything you need to be compliant and/or create your LSLR plan -- regardless of starting point.
2. **Comprehensive** - We've got your back. Save hundreds of hours by managing the entire LCRR program in a single tool (with help from the experts).
3. **Efficient** - Get a known inventory with as little work as possible. And don't waste time and money on things like digging holes where there is no lead - use data to work smarter.

Elevator Pitch

120Water's Inventory Solution is the only way to build and manage a detailed "location-based" LSL inventory from start to finish, while helping you **understand** and **navigate** the challenges of the Lead and Copper Rule Revisions.

Through simple software, kits, and industry-expert services, we help our clients navigate the LCRR Inventory requirements with confidence.

Why Us?

Positioning

Our uniquely qualified position to win

- Undisputed experts in LCRR
 - Proven and trusted in the midst of unknown
 - Unmatched LCRR policy experience and understanding
- More than just an inventory solution
 - We manage the entire LCRR compliance process end-to-end [**Data, Sampling, Communications**]
- We're the only solution who can help create an inventory **and** execute a sampling program using the data
 - LCRR is a long-term compliance issue and we are the only long-term partner to manage every aspect
- Predictive Modeling
 - We can predict which unknown service lines are made of lead in the customer's distribution network

Create & Validate Preliminary Inventory

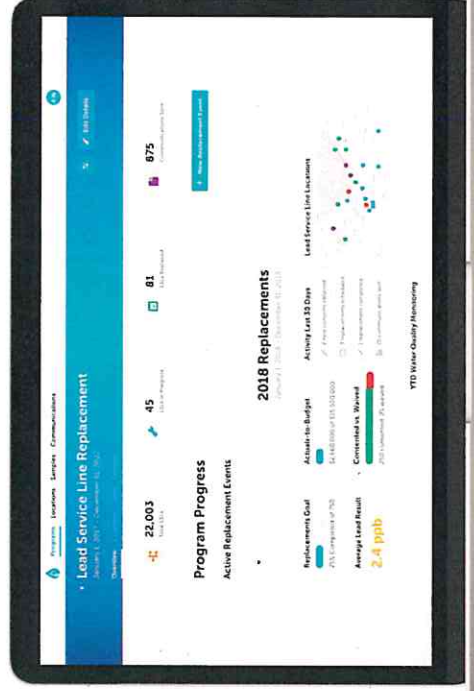


Year 1-5

Gather existing data

Conduct Inventory

Manage Full LSL Lifecycle



Year 5-20

Prioritize Areas

Replace/Update Lines



Contractor's Application for Payment No. 5

To (Owner): City of Deer Lodge MILWAUKEE ROUNDHOUSE CECHRA FACILITY PASSENGER REFUELING AREA (PPRA) 2021 SOIL REMOVAL ACTION	From (Contractor): H and H Contracting, Inc. MILWAUKEE ROUNDHOUSE CECHRA FACILITY PASSENGER REFUELING AREA (PPRA) 2021 SOIL REMOVAL ACTION	Application Period: 07/15/22 to 10/14/22	Application Date: 10/17/2022
Owner's Contract No.:	Contractor's Project No.: 20009	Via (Engineer): Hydrometries, Inc.	

Application For Payment Change Order Summary

Approved Change Orders Number	Additions	Deductions	
1	\$5,787.00		\$ 562,137.00
2	\$1,967.58		\$ 512,748.09
3	\$3,726.50		\$ 774,885.09
4	\$1,267.01		
TOTALS			
NET CHANGE BY CHANGE ORDERS			\$12,748.09

1. ORIGINAL CONTRACT PRICE..... \$ 562,137.00
2. Net change by Change Orders..... \$ 512,748.09
3. Current Contract Price (Line 1 ± 2)..... \$ 774,885.09
4. TOTAL COMPLETED AND STORED TO DATE
(Column F total on Progress Estimates)..... \$ 774,885.09
5. RETAINAGE:
 - a. 10% X Work Completed..... \$
 - b. X Stored Material..... \$
 - c. Total Retainage (Line 5.a + Line 5.b)..... \$
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)..... \$ 774,885.09
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... \$ 571,585.09
8. AMOUNT DUE THIS APPLICATION..... \$ 3,300.00
9. BALANCE TO FINISH, PLUS RETAINAGE
(Column G total on Progress Estimates + Line 5.c above)..... \$

Contractor's Certification
 The undersigned Contractor certifies, to the best of its knowledge, the following:
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor Signature: *Chris Hatcher* Date: *10/17/22*

Payment of: \$ Three thousand three hundred dollars and no/100.....
 (Type 8 or other - attach explanation of the other amount)

is recommended by: *Mark Brodeur* (Engineer) 10/19/2022 (Date)

Payment of: \$ (Line 8 or other - attach explanation of the other amount)

is approved by: _____ (Owner) _____ (Date)

Approved by: _____ Funding or Financing Entity (if applicable) _____ (Date)

Progress Estimate - Unit Price Work

Contractor's Application

For (Contract): MILWAUKEE ROUNDHOUSE CECRA FACILITY PASSENGER REFUELING AREA (PRA) 2021 SOIL REMOVAL ACTION
 Application Period: 07/15/22 to 10/14/22
 Application Number: 5
 Application Date: 10/17/2022

Bid Item No.	Description	Contract Information				C	D	E	F		
		Item Quantity	Units	Unit Price	Total Value of Item (\$)						
1	Mobilization, Bonding & General Requirements	1	LS	\$5,000.00	\$5,000.00	1	\$5,000.00		\$5,000.00	100.0%	Balance to Finish (B - F)
2	Erosion & Sediment Control	1	LS	\$5,400.00	\$5,400.00	1	\$5,400.00		\$5,400.00	100.0%	
3	Construction Facilities & Temporary Controls	1	LS	\$3,200.00	\$3,200.00	1	\$3,200.00		\$3,200.00	100.0%	
4	Clear & Grub Vegetation & Debris Removal	1	LS	\$2,800.00	\$2,800.00	1	\$2,800.00		\$2,800.00	100.0%	
5	Temporary Signage & Traffic Control	1	LS	\$2,500.00	\$2,500.00	1	\$2,500.00		\$2,500.00	100.0%	
6	Strip & Stockpile Topsoil & Overburden	19	CY	\$30.00	\$570.00	19	\$570.00		\$570.00	100.0%	
7	Excavate, Handle & Disposal of Contaminated Soil	783	CY	\$31.00	\$24,273.00	783	\$24,273.00		\$24,273.00	100.0%	
8	Backfill Contaminated Soil Excavation Areas	846.27	CY	\$17.00	\$14,386.59	846.27	\$14,386.59		\$14,386.59	100.0%	
9	Site Restoration	1.1	AC	\$3,000.00	\$3,300.00	1.1	\$3,300.00		\$3,300.00	100.0%	
10	Reconstruct Gravel Roads	146	CY	\$27.00	\$3,942.00	146	\$3,942.00		\$3,942.00	100.0%	
A	Excavate, Handle & Disposal of EXCESS Contaminated Soil	190.27	CY	\$50.00	\$9,513.50	190.27	\$9,513.50		\$9,513.50	100.0%	
Totals							\$74,885.09		\$74,885.09	100.0%	

October 18, 2022

VIA EMAIL

Mayor James Jess
City of Deer Lodge
300 Main Street
Deer Lodge, MT 59722

RE: Landfill Drying Bed Project – Application for Payment #3

Dear James:

Enclosed for your action is Payment Request No. 3 from MJD Contracting for the Landfill Drying Bed project. The Pay Request covers the construction items on the Project from August 19, 2022, through October 7, 2022. This Pay Request shows project completion at 95% to date. In addition to the items covered in the first two pay requests, it covers the remaining concrete installation including the wall added by change order, final grading, gravel placement and compaction, and installation of bollards.

A Substantial Completion walkthrough was completed on October 7 and a Substantial Completion Certificate and punch list were prepared. The remaining items to be completed include minor items as listed on the attached punch list. The retainage in the amount of \$11,157.50 will be more than sufficient to cover the punch list items.

Everything appears in order to recommend approval of Pay Request No. 3 for processing. Payment of \$87,513.52 will need to be made to MJD Contracting, and \$883.98 to the State of Montana for the gross receipts tax. As stated above, a total of \$11,157.50 retainage is being withheld from the payments to date.

Please contact me if you have any questions or need more information.

Sincerely,
MORRISON-MAIERLE, INC.

Rika Lashley, PE
Project Manager



Enclosure

Cc via Email: Alan Erickson, PE, CCM – Morrison-Maierle
MJD Contracting

Contractor's Application For Payment No. 3

Application Period:	8/19/2022 To 10/7/2022	Application Date:	10/7/2022
From(Contractor):	MJD Contracting, LLC.	Via(Engineer):	Morrison Malerle
Contractor's Address:	12 Ponderosa Rd. Clancy, MT 59634	Engineer's Project No.:	347.03401
Contractor's Project No.:	22025		

Owner:	City of Deer Lodge
Project:	Deer Lodge Drying Beds
Owner's Contract No.:	

Change Order Summary		Approved Change Orders	
Number	Additions	Deductions	
1	\$13,500.00		
TOTALS	\$13,500.00		\$0.00
NET CHANGE BY CHANGE ORDERS			\$13,500.00

Payment Details		
1. ORIGINAL CONTRACT PRICE.....		\$ 209,650.00
2. Net change by Change Orders.....		\$ 13,500.00
3. CURRENT CONTRACT PRICE (Line 1 ± 2)		\$ 223,150.00
4. TOTAL COMPLETED AND STORED TO DATE.....		\$ 223,150.00
5. RETAINAGE:		
a. 5% x \$223,150.00 Work Completed.....		\$11,157.50
b. 5% x \$0.00 Stored Material.....		\$0.00
c. Total Retainage (Line 5a + Line 5b)		\$11,157.50
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)		\$ 211,992.50
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)		\$ 123,595.00
8. AMOUNT EARNED THIS APPLICATION.....		\$ 88,397.50
9. LESS GROSS RECEIPTS TAX THIS APPLICATION(1%)		\$ 883.98
10. AMOUNT DUE THIS APPLICATION (Line 8- Line 9)		\$ 87,513.52
11. BALANCE TO FINISH, PLUS RETAINAGE.....		\$ 11,157.50

Contractor's Certification
The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: *Mandy Logg* _____ Date: 10/7/22
(Contractor)

Approval Section

Payment of: \$ _____ (Line 10 or other - attach explanation of other amount)
is recommended by: _____ (Engineer/Inspector) _____ (Date)

Payment of: _____ (Date)
Line 10 or other -attach explanation of other amount

Is approved by: _____ (Owner) _____ (Date)

Approved by: _____ Funding Agency _____ (Date)

ITEM	DESCRIPTION	QTY	UNITS	ORIGINAL CONTRACT		CHANGE ORDER		CURRENT CONTRACT			IN PLACE		AMOUNT		IN PLACE		AMOUNT	
				UNIT PRICE	TOTAL PRICE	QTY	AMOUNT	QTY	AMOUNT	PAY EST.	PROJECT	TOTAL	PAY EST.	PROJECT	TOTAL			
101	Mob	1	LS	\$15,000.00	\$ 15,000.00	-	\$	1	\$ 15,000.00	0.4	\$	6,000.00	1	\$	15,000.00			
102	Taxes Bonds Insurance	1	LS	\$7,500.00	\$ 7,500.00	-	\$	1	\$ 7,500.00	0	\$	-	1	\$	7,500.00			
103	General Requirments	1	LS	\$10,000.00	\$ 10,000.00	-	\$	1	\$ 10,000.00	0.7	\$	7,000.00	1	\$	10,000.00			
104	Cast in Place Concrete	1	LS	\$70,000.00	\$ 70,000.00	-	\$	1	\$ 70,000.00	0.25	\$	17,500.00	1	\$	70,000.00			
105	Clearing and Grubbing	514	CY	\$12.50	\$ 6,425.00	-	\$	514	\$ 6,425.00	114	\$	1,425.00	514	\$	6,425.00			
106	Site and Access Earthwork	1	LS	\$40,000.00	\$ 40,000.00	-	\$	1	\$ 40,000.00	0.25	\$	10,000.00	1	\$	40,000.00			
107	Gravel Road Subbase Coarse;	402	CY	\$40.00	\$ 16,080.00	-	\$	402	\$ 16,080.00	402	\$	16,080.00	402	\$	16,080.00			
108	Gravel Road Surface Coarse;	201	CY	\$45.00	\$ 9,045.00	-	\$	201	\$ 9,045.00	201	\$	9,045.00	201	\$	9,045.00			
109	Culverts	1	LS	\$6,000.00	\$ 6,000.00	-	\$	1	\$ 6,000.00	0	\$	-	1	\$	6,000.00			
110	Surface Restoration	1	LS	\$5,000.00	\$ 5,000.00	-	\$	1	\$ 5,000.00	0	\$	-	1	\$	5,000.00			
111	Septic Tank	1	LS	\$5,000.00	\$ 5,000.00	-	\$	1	\$ 5,000.00	0	\$	-	1	\$	5,000.00			
112	6" Pipe and Fittings	80	LF	\$120.00	\$ 9,600.00	-	\$	80	\$ 9,600.00	0	\$	-	80	\$	9,600.00			
113	Misc Materials	1	LS	\$10,000.00	\$ 10,000.00	-	\$	1	\$ 10,000.00	0.75	\$	7,500.00	1	\$	10,000.00			
	Co #1	1	LS	\$13,500.00	\$ 13,500.00	-	\$	1	\$ 13,500.00	1	\$	13,500.00	1	\$	13,500.00			
								0	\$	0	\$	-	0	\$	-			
								0	\$	0	\$	-	0	\$	-			
								0	\$	0	\$	-	0	\$	-			
								0	\$	0	\$	-	0	\$	-			
								0	\$	0	\$	-	0	\$	-			
								0	\$	0	\$	-	0	\$	-			
Total					\$209,650.00		\$ 13,500.00		\$ 223,150.00		\$ 93,050.00			\$	223,150.00		\$	223,150.00

4	MATERIAL STORAGE	\$	223,150.00
5	TOTAL WORK & MATERIAL STORAGE	\$	223,150.00
6	5% RETAINAGE	\$	11,157.50
7	TOTAL LESS RETAINAGE	\$	211,992.50
8	PREVIOUS PAYMENTS	\$	123,595.00
9	SUBTOTAL	\$	88,397.50
10	STATE 1% TAX	\$	883.98
11	PAYMENT DUE	\$	87,513.52
	REMAINING PLUS RETAINAGE	\$	11,157.50

Deer Lodge WWTP – Landfill Drying Beds Punch List

Site/Access Road/Gravel:

- The two larger culverts are deformed and have a slight belly. Trent Freeman chose to accept them for now and watch through the warranty period. If conditions get worse, they may need to be replaced.
- Kick some riprap in front of the downstream end of the culverts to help prevent washing out the soil just beyond the pipe.
- One more pass for rolling on the south side of the pad (to be complete Friday 10/7/2022).
- Fix small drain/grade issue on NW side of pad to allow surface drainage to flow west for about 20-30 feet (to be complete Friday 10/7/2022).
- Fix small depression just beyond the gravel on the SE edge of the gravel pad to allow for dump truck to pull forward when backing into and out of drying beds (to be complete Friday 10/7/2022).

Pad/Concrete:

- Remove form tie metal plates and grout over the tie to leave no metal exposed. While there, check for and fill in some of the larger voids (quarter size and up).
- Submit 28-day break results for wall concrete.

Drains & Septic Tank:

- Grout between drain pipe and pipe sleeve.
- Install drain plug U-bolts and steel plate at east drainpipe location.
- Supply the drain plugs.