

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION

PRELIMINARY DISTRIBUTION SYSTEM MATERIALS INVENTORY

Issued under authority of the Safe Drinking Act, 1976 PA 399, and Administrative Rules, as amended. Administrative Rule R 325.10604(c)(i) requires a water supply to complete and submit a preliminary distribution system materials inventory to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) by January 1, 2020.

Benton Harbor Water Department	0600	
Supply Name		WSSN
9,639	3,400	Berrien
Population Served	Number of Service Connections	County

The primary focus of the preliminary Distribution System Materials Inventory (DSMI) is to identify lead service lines, galvanized steel previously connected to lead, or service lines of unknown material. This inventory will estimate the number of high-risk service lines and describe the reliability of existing records, thereby providing important information for planning service line verification and replacement efforts. The complete DSMI, which is due in 2025, will require characterization of all service line materials (lead, galvanized, copper, and plastic). Instructions for completing this form are provided at the end of the document.

1. Does this water supply have service lines meeting the following definition?

"Service line" means the pipe from the discharge of the corporation fitting to customer site piping or to the building plumbing at the first shut-off valve inside the building, or 18 inches inside the building, whichever is shorter.

Note: For the purposes of this inventory, Manufactured Housing Community (MHC) connections to units (risers) are considered service lines, so MHCs should fill out this entire form.

X YES. If yes, complete this form in its entirety.	NO. If no, sk	kip to Questions 7	and 8 and the Certification
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2. Complete the table below.

A service line	includes any section	n of pipe from th		e building plumbi	ce Line Material ing at the first shut-off va shorter.	live inside the
Any Portion Contains Lead	Contains Galvanized Previously Connected to Lead*	Unknown			Contains neither Lead nor	
		Likely Contains Lead	Likely Does Not Contain Lead	Material(s) Unknown	Galvanized Previously Connected to Lead	Total**
848	571				104	5877

^{*}If a galvanized line is still connected to lead, it is a lead service line and must be counted in the first column.

571+277 = 848

3. Describe the sources of information used to summarize or estimate the data above (see instructions for a list of potential sources of information).

All lead and copper sampling from 2018 to July 2019

A very large tap record book, that has been modified to meet the City Only water services.

The GIS Database developed with the SAW Grant and imaged on CityWorks on-line.

The Water Payment center for active accounts through billing.

As Recorded Drawings from 2007 to present.

Driving by to count houses.

^{**}The total number should equal the total number of potable water service lines in your water supply (residential, commercial, industrial, other).



4	. Describe your level o	f confidence in the	sources of i	nformation discusse	d in Que	estion 3.
	X Very confident Describe:	XSomewhat confid	ent [Not very confider	ıt [Not confident
N	lo one has had the time to r other type of facility. Be	investigate the num cause this is a prelim	ber of water s ninary DSMI, t	services that are still in those will be addresse	n the grou	und but no longer go to a hom ter date.
Α	reasonably accurate cou simple subtraction of 5,8 eaves 4,760 count for dis	// service lines in tai	ed by the wat records, mir	er system is 1,117 loo nus the 1,117 vacant	cations. ots serve	ed.
PI	chose, the 1 st draw only in resent in the new 1 st & 2 nd alvanized Previously Con	draw sampling. To	ving lead res add to the nu	ults of \geq 3 ppb. That mber requested in co	value was lumns An	s chosen as it was generally ny Portion & Contains
TI TI	here are only 4 Subdivision he total number of those h	ons built in Benton Ha nomes and still un-bu	arbor that wou ilt lots are: 84	ıld have service lines	of all cop	pper.
W	ith funding we have and	with the Pilot grant we	e made up to	20 Complete LSLRep	olacemen	its.
Th	hat makes up the 104 for	the Column Contains	Neither Lead	d or Galvanized.		
5.	How common is it to lead turned out to be	find discrepancies i copper)?	n your servi	ce line data (for exar	nple, seı	vices you expected to be
	Frequently	Occasionally	X Seldom	Never	Not	t Enough Information
	Describe, including any	common patterns:				g
O	early all dig ups, result in ccassionally, the location nd, many of the service lin	of the service is not w	vhere it is exr	pected. ess and difficult to cor	rect.	
6.	In general, describe the Contains Lead." For e stop to water meter), o	xampie, are service	s primarily f	lines identified in th ull lead lines, partial	e columi lead line	n titled "Any Portion es (main to curb stop, curb
Le	ead Service lines noted are	e primarily lead from	Main to Curb	Stops. And Galvaniz	ed from (Curb stop to home.
In So	the Column Gav Previous o, there is a substantial co	sly connected to lead unt; 571 line that was	, was added t very Likely a	o the 277 reliably kno Partial Lead Service	wn Any p Line Rep	portion contains lead column. placement from Early 2007 to

7. What other information can you share about your preliminary DSMI?

There are 5,877 tap records in the books. There are only 3,400 accounts used for billing There are roughly 12 water services to City Facilities. Added 3400+12=3,412 potential services in use. The Benton Harbor Water system experiences very few water main breaks. It is more common to have service line breaks instead.

June 2008. Thus, I would expect to uncover a copper service to the curb stop and unknown material to home.



8.	Beyond your service lines, do other documents previously submitted to EGLE (including the General Plan, Reliability Study, issued permits, and/or Asset Management Plan) in combination properly characterize the remainder of your current distribution system?				
	X YES, my general plan, reliability study, issued permits, and/or asset management plan characterize the rest of my current distribution system.				
	NO. If no, please contact your district engineer to update your documentation.				
Ce	rtification of Preliminary Distribution System Mate	rials Inventory			
l ce	rtify that I have reviewed available documentation related to the information herein is accurate and complete to the bes	the materials in this water supply's distribution system, tof my knowledge and information.			
	Illis EMitchelf	12/30/2019			
	Signature	Date			
Mike O'Malley Ellis Mitchell Water Operator IN Charge; City Manager					
	Print Name	Title			

When complete, submit this signed form to your EGLE district office no later than January 1, 2020.