Sens & Emit 7/10/19 53

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

#### LEAD AND COPPER REPORT AND CONSUMER NOTICE FOR COMMUNITY WATER SUPPLY FORM A - SUPPLIES WITH LEAD SERVICE LINES

Issued under authority of the Michigan Safe Drinking Water Act, 1976 PA 399, as amended (Act 399), MCL 325.1001 et seg., and the Administrative Rules. Failure to submit this information is a violation of Act 399 and may subject the water supply to enforcement penalties.

Administrative Rule R 325.10710d requires water supplies to report lead and copper monitoring information within ten days after the end of the monitoring period. This form may be used to meet this requirement. Form instructions are available on pages 8 - 10. Submit the information to the appropriate Michigan Department of Environment, Great Lakes, and Energy (EGLE) district office.

		1. S	ounty:  Bessie 2  3. WSS  opulation:  9.670 5. Monitoring Period:  inimum # of Samples Required:  60 (Should be be started)  7. # of Samples Tak	MI.
		2. C	ounty: Berrie > 3. WSS	N: 8529
		4. P	opulation: 9670 5. Monitoring Period: From: 1/1/4	To: 6/2019
		6. M	inimum # of Samples Required: 60 (Should be) 7. # of Samples Tak	en: 47
		8. N	ame of Certified Laboratory: MDEQ Laboratory L	and since MT
0	~ A B # []			
ð. 1		-	ITERIA:	
	This	form	is for water supplies collecting <u>some</u> or <u>all</u> lead and copper san LEAD SERVICE LINES. All other supplies should use Fo	nples from sites WITH rm B.
	Yes	No		
	又		Are some or all samples from sites WITH lead service lines?	
			If no sites served by a lead service line, STOP and use Form B.	For more information
	Ø		Did you prioritize sample collection according to the following:  Tier 1 sites must be used unless insufficient Tier 1 sites available. Fit If insufficient Tier 1 sites available, then Tier 2 sites must be used.  If insufficient Tier 2 sites, then Tier 3 sites must be used.  If no Tier 1, 2, or 3 sites are available, sites must be representative of plumbing materials typically found throughout the water system.	see Instructions item 11
	中	<b>**</b>	Were the same sampling sites used as in the previous monitoring period? If no, explain (attach additional pages if needed):	
			You Alast No Mostly - The NEW 5.	usie esterior Tier I
		ments:		
	X	100	an see by the 2015 pates Population =	9,670 people
			Can see by the 2015 pater Population = Jos revised to in 2019 to 9,960. MDEQ &	
		Bath	(to original)	Tule regained any 40
10.	SIGNA	TURE	(to osissoul)	
	Name		Michael D'Malley Signature: New Dille	
	Title	: Be	Nton Harbor Water Supt. Phone: (26a) 363-057	Sate: 7/10/19
			ental Assistance Center Michigan.gov/EGLE 0-662-9278 Page 1 of 10	EQP5942a

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**NSSW** 

600 Lead and Copper Report

City Of Collection Light Society		0	000	ovo read alla copper report	copper ke	port						
				7/10/2019			1st Liter Sample	mple		5th Liter Sample	mple	
							Lead	Copper	Lab	Lead	er	Lab
Sample	Sample			Building	Service	Tap	Result	Result	Sample	Result		Sample
Location Code	Date	Tier	Category	Plumbing	Line	Type	mg/L	mg/L	Number			Number
JPb46	6/25/2019		11 A	N/A	-		0.012	0.100	0.100 LI48039	0.012	0.000	0.000 LI48040
JPb41	6/26/2019		1 A	N/A	F	~	0.003	0.000	0.000 LI48038	0.003	0.000	0.000 LI48035
JPb30	6/26/2019		1 A	N/A	Protect Control of Con		0.006	0.000	0.000 LI48035	0.003	0.000	0.000 LI48036
JPb13	6/27/2019		1 A	N/A	 	*	0.008	0.000	0.000 LI48034	0.005	0.000	0.000 LI48033
JBp4	6/27/2019		1 A	N/A	Г		0.014	0.000	).000 LI48031	0.012	0.000	0.000 LI48032
JPb27	6/27/2013		1 A	N/A			0.029	0.000	0.000 LI48030	0.059	0.000	0.000 LI48029
ЈВр37	6/25/2019		1 A	N/A	-	~	0.000	0.000	0.000 LI48027	0.000	0.000	0.000 LI48028
JPb16	6/25/2019		1 A	N/A			0.005	0.000	.000 L148026	0.005	0.000	0.000 LI48025
JPb19	6/25/2019		1 A	N/A		~	0.000	0.000	.000 LI48022	0.000	0.000	0.000 LI48021
JPb18	6/25/2019		A A	N/A	Person	~	0.000	0.000	.000 L148023	0.000	0.000	0.000 LI48024
JPb36	6/26/2019		A	N/A		~	0.013	0.000	.000 LI48019	0.005	0.000	0.000 LI48020
JPb39	6/26/2019		1 A	N/A		~	0.023	0.000	.000 LI48017	0.008	0.000 L	0.000 LI48017
JPb7	6/25/2019		1 A	N/A		~	0.035	0.000	.000 LI48016	0.022	0.000 L	0.000 LI48015

				7/10/2019			1st Liter Sample	mple		5th I iter Sample	300	
-							Lead	Copper	Lab	Lead	er	Lab
Sample	ole			Building	Service	Tap	Result	Result	Sample	Result		Sample
Location Code	Date	Tier	Category	Plumbing	Line	Туре	mg/L	mg/L	Number	mg/L		Number
JPb11	6/27/2019	l l	Α	N/A		~	0.008	0.000	0.000 LI48014	0.031	0.000	0.000 Li48013
JPb32	6/25/2019	1	Α	N/A	_	~	0.021	0.000	0.000 L148012	0.013	0.000	0.000 LI48011
JPb5	6/26/2019	1 A	Α	N/A	r	~	0.003	0.000	0.000 LI48009	0.002	0.000	0.000 LI48010
JPb9	6/25/2019		Α	N/A			0.005	0.000	0.000 LI48008	0.003	0.000	0.000 LI48007
JPb58	6/26/2019	<b>-</b>	A	N/A			0.004	0.000	0.000 LI48005	0.000	0.000	0.000 L148006
JPb54	6/26/2019	1	Α	N/A	-	~	0.004	0.000	0.000 LI48004	0.011	0.000	0.000 LI48003
JPb52	6/25/2019	<u> </u>	Α	N/A		~	0.000	0.000	0.000 LI48002	0.000	0.000	0.000 LI48001
JPb40	6/28/2019	P	Α	N/A		~	0.007	0.000	0.000 LI47999	0.007	0.000	0.000 LI48000
JPb23	6/26/2019	P	A	N/A	F		0.001	0.000	0.000 LI47997	0.000	0.000 L	0.000 LI47998
JPb8	6/27/2019	12	A	N/A			0.022	0.000	0.000 LI47995	0.024	0.000 L	0.000 LI47996
JPb20	6/25/2019	1 A		N/A		~	0.005	0.000	0.000 LI47994	0.012	0.000 L147993	.147993
JPb38	6/24/2019	1 A		N/A		~	0.007	0.000	.000 LI47991	0.005	0.000 LI47992	147992
JPb43	6/25/2019	1 A		N/A		~	0.000	0.000 L	0.000 LI47990	0.000	0.000 L147989	147989

				7/10/2019			1st Liter Sample	mple		5th Liter Sample	mnle	
							Lead	Copper	Lab	Lead	Copper	Lab
	Sample			Building	Service	Tap	Result	Result	Sample	7	Result	Sample
Location Code	Date	Tier	Category	Plumbing	Line	Туре	mg/L	mg/L	Number		mg/L	Number
JPb48	6/27/2019	SANSAN	1 A	N/A		~	0.004	0.000	0.000 LI47988	0.005	0.000	0.000 LI47987
JPb44	6/25/2019		1 A	N/A	Г	~	0.003	0.000	0.000 L147985	0.003	0.000	0.000 LI47986
JPb42	6/26/2019		1 A	N/A		_	0.000	0.000	0.000 L147983	0.000	0.000	0.000 LI47984
JPb51	6/24/2019		1 A	N/A			0.012	0.000	0.000 LI47981	0.017	0.000	0.000 LI47982
JPb60	6/27/2019		1 A	N/A			0.004	0.000	0.000 L147979	0.021	0.000	0.000 LI47980
JPb22	6/25/2019		1 A	N/A	_	~	0.003	0.000	0.000 LI47977	0.002	0.000	0.000 LI47978
JPb33	6/25/2019		A	N/A	 	~	0.015	0.000	0.000 LI47975	0.006	0.000	0.000 LI47976
JPb26	6/25/2019		1 A	N/A		~	0.004	0.050	0.050 LI47973	0.002	0.060	0.060 LI47974
JPb49	6/24/2019		1 A	N/A		~	0.011	0.000	0.000 LI47971	0.019	0.000	0.000 LI47972
JPb28	6/27/2019		1 A	N/A		~	0.002	0.000	0.000 LI47969	0.002	0.000	0.000 LI47970
JPb34	6/29/2019		A	N/A		~	0.001	0.000	0.000 LI47967	0.001	0.000	0.000 LI47968
JPb50	6/26/2019		1 A	N/A		~	0.010	0.000	.000 LI47965	0.036	0.000	0.000 LI47966
JPb1	6/25/2019		1 A	N/A	r	~	0.000	0.000	).000 LI47963	0.000	0.000   1147964	147964

		sample	rocation Code	JPb47	JPb17	JPb24	JPb14	JPb55	JPb60	JPb15	)
	)		Date	6/24/2019	6/27/2019	6/26/2019	6/26/2019	6/26/2019	6/27/2019	6/25/2019	6/25/2019
			Tier								
	1999), Garandar (1972), marsid		Category	1 A	1 A	1 A	1 A	A A	1 A	1 A	<u>1</u> A
7/10/2019		Building	Plumbing	N/A							
		Service	Line	F	_	F		Г	-	_	
-		Tap	Туре	~	~	~	~	~	~	~	~
1st Liter Sample	Lead	Result	mg/L	0.044	0.000	0.002	0.006	0.000	0.002	0.009	0.014
mple	Copper	Result	mg/L		0	0.000	0.000	0.000	0.000	0.000	0.000
	Lab	Sample	Number	0.000 LI47961	.000 LI47959	.000 LI47958	.000 LI47955	.000 LI47951	.000 LI47953	.000 L147949	.000 LI47947
5th Liter Sample	Lead	Result	mg/L	0.023	0.000	0.003	0.007	0.000	0.003	0.008	0.018
ample	Copper	Result	mg/L						0.000	0.000	0.000
	Lab	Sample	Number	0.000 LI47962	0.000 LI47960	0.000 L147957	0.000 LI47956	0.000 LI47952	0.000 LI47954	0.000 LI47950	0.000   1147948



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

## LEAD AND COPPER REPORT AND CONSUMER NOTICE FOR COMMUNITY WATER SUPPLY FORM A – SUPPLIES WITH LEAD SERVICE LINES

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1. Supply Name: Benton Harbor Water

2. County:	Berrien		3. WSS	SN: <b>060</b>	0
4. Population:	9,639	5. Monitoring Period:	From: 7/1/2019	To: 12/3	1/2019
6. Minimum #	of Samples Require	d:	7. # of Samples Tal	ken:	40
8. Name of Ce	ertified Laboratory:	8 to MDEQ the re	 st to Eurofins Eaton A		
			32		
SAMPLE CRITERIA:					
This form is for w	ater supplies coll EAD SERVICE LI	ecting <u>some</u> or <u>all</u> l NES. All other sup	ead and copper sa plies should use Fo	mples fro	m sites WIT
Yes No					
Are som	e or all samples fror	m sites WITH lead serv	ice lines?		
If no site	s served by a lead s	service line, STOP and	use Form R		
Did you  Tier  If ins  (Let)  If ins  If ins	prioritize sample col 1 sites must be use sufficient Tier 1 sites sufficient Tier 2 sites Tier 1, 2, or 3 sites	lection according to the dunless insufficient Tie available, then Tier 2 stees must are available, sites must are available, sites must bically found throughout	e following: er 1 sites available. sites must be used. t be used. st be representative	see <i>Instr</i> "Tier and	" at the end o
If no, ex	8 4 / 11 1 1 1111	es used as in the previous in	- ·		
Comments:					
Ien	sorry I	nent I co	all deta,	Arth Prin	attached "
This v	ord does	ment - co	(2-C3)	Eur	64:05 3
I did not att	th EGLES	comple Pess Its 1	1020)	sepor	ts atten
Mike				the	eir ENTIR.
Name: O'Malley	1 . 1 . 1	Signature: _/์น์	WMg		
Title: Operator	IN Charge	Phone:	69 363-0535	Date:	9/20
E Environmental Assi ephone:1-800-662-927		Michigan.gov/EGLE Page 1 of 10			EQP5

# 11. TAP SAMPLING DATA

Use additional sheets as needed. Sheet \_ l \_ of \_ 3\_\_

Water Supply Name: Benton WSSN: 0600 Harbor

Lith only numbers ere

NPb 16* JPb7	NPb 17* JPb8	NPb 5* JPb32	NPb 4* JPb29	NPb 13* JPb51	NPb12* JPb50	NPb 10* JPb47	CCNPb 28* JPb48	OctPb12* JPb22	JPb 39*	JPb 27*	JPb 4*	JPb 29*	OctPb14		Past EG	* was s	)
9b7	9b8	b32	b29	Pb51	°b50	Pb47	3* JPb48	JPb22							Past EGLE Code	* was sampled	
12/10/2019	12/9/2019	12/2/2019	12/2/2019	12/9/2019	12/9/2019	12/4/2019	11/29/2019	11/7/2019	12/17/2019	12/10/2019	12/10/2019	12/2/2019	11/12/2019			Sample Date	
				_					_	_			_			(1,2,3,OT)	ier er
A	A	Α	A	A	>	⊳	⊳	Þ	>	A	⊳	>	⊳			(see below) <sup>2</sup>	Category
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		(L,C,G,P) <sup>3</sup>	Plumbing	Building
L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR	L or PSLR			(L*,C,G,P) <sup>3</sup>	Service Line				
~	~	_	~	~		*	~		*	_	7	*	~			(K,B)4	Тар Туре
25	23	10	22	8.6	38	72	3.1	4.4	10	33	9.2	0	0	Q	Lead /I		a.
1.6	53	15	3.4	4	3.6	7.8	11	2.5	8.6	5.1	15	2.4	8.6		Copper ma/l	Titer Sample	)
4512573	4512575	4512553	4512551	4512563	4512565	4512571	4512929	4488796	4523031	4516488	4516476	4512569	4488794	Number	Lab	lā	
18	9.4	12	32	5.3	24	39	3.1	3.9	7.8	21	6.3	0	0		Lead (	တု	1
0	2.1	1.8	5.1	2.1	1.6	11	11	3.6	3.4	2.8	2.5	2.1	00	1	Copper ma/l	5" Liter Sample	) _
4512574	4512576	4512554	4512552	4512563	4512566	4512572	4512550	4488797	4523032	4516489	4516477	4512570	4488795	Number	Lab Sample	nple	

Table Pg 2 of 3

6 4516485	0	4516484	7.1	0	*	L or PSLR	N/A	⊳	_	12/12/2019	SCT 5
2 4516483	0	4516482	w	0		L or PSLR	N/A	>		12/12/2019	SCT 3
1.4 4516481	0	4516480	3.4	0	~	L or PSLR	N/A	>		12/12/2019	SCT 1
4 4546489	2.2	4546488	2.5	3.6	_	L or PSLR	N/A	>		12/11/2019	CCNPb 5
1.5 4512568	0	4512567	0	0		L or PSLR	N/A	Þ		12/2/2019	OctPb 11
1.5 4512562	1.8	4512561	3.3	9.3		L or PSLR	N/A	Þ		12/8/2019	CCNPb25
7.3 4512560	1.6	4512559	16	8.4	_	L or PSLR	N/A	>		12/3/2019	CCNPb 29
8.5 4512558	0	4512557	7.2	0		L or PSLR	N/A	>		12/1/2019	CCNPb 34
1.8 4512556	1.9	4512555	12	3.4	_ >	L or PSLR	N/A	>		12/4/2019	CCNPb 7
0 L174927	0	0 LI74928	0	2	_	L or PSLR	N/A	A	ے ا	10/25/2019	OctPb10
0 LI74929	2	0 LI74930	0	2		L or PSLR	N/A	>	->	10/29/2019	OctPb9
0 LI74913	رب ا	0 LI74914	0	2		L or PSLR	N/A	>	_	10/29/2019	OctPb6* JPb60
0 LI74915	4	LI74916	0	4		L or PSLR	N/A	A	_	10/26/2019	OctPb5* JPb20
0 LI74910	ω	0 LI74909	0	4	*	L or PSLR	N/A	A		11/1/2019	OctPb3
0 L174908	7	0 LI74907	0	7		L or PSLR	N/A	>	_	10/29/2019	OctPb2* JPb14
0 LI74911	0	0 LI74912	0	0		L or PSLR	N/A	>	_	11/1/2019	OctPb1* JPb1
Copper Lab mg/L Sample Number	Lead C ug/L n	Lab Sample Number	Copper mg/L	Lead ug/L			(L,C,G,P) <sup>3</sup>				Past EGLE Code
5" Liter Sample	O	lie Lie	T Liter Sample		(K,B) <sup>4</sup>	(L*,C,G,P) <sup>3</sup>	Plumbing	(see below) <sup>2</sup>	(1,2,3,OT)	Sample Date	* was sampled
	ı F		)	40	Тар Туре	Line	Building	Category	Tier		

Souple Cades w/ LIxxxxx ese

)		Tier	Category	Building	Service Line	Тар Туре	0				r	
* was sampled	Sample Date	(1,2,3,OT)	(see below) <sup>2</sup>	Plumbing	(L*,C,G,P) <sup>3</sup>	(K,B) <sup>4</sup>	- <u>\</u>	1 <sup>st</sup> Liter Sample	lo	ഗ്ര	5th Liter Sample	ple
Past EGLE Code				(L,C,G,P) <sup>3</sup>			ad	er er	Lab	ğ	Copper	Lab
							ug/L	mg/L	Sample Number	ug/L	mg/L	Sample Number
CCNPb 31	12/15/2019		A	N/A	L or PSLR	*	0	28	4516486	0	2	4516487
CCNPb 1	12/10/2019		⊳	N/A	L or PSLR	*	4.9	4.1	4516490	11	2.8	4516491
CCNPb 16	12/15/2019		>	N/A	L or PSLR	~	3.7	18	4516492	14	2.9	4596493
CCNPb 17	12/16/2019		⊳	N/A	L or PSLR	*	5.6	4	4523023	0	1.6	4523024
TGPb 1	12/17/2019	_	Þ	N/A	L or PSLR	~	2.3	1.2	4523025	19	4.8	4523026
EPDPb 8	12/18/2019		Þ	N/A	L or PSLR	_	19	4.8	4523027	40	2.2	4523028
EPDPb 9	12/18/2019		Þ	N/A	L or PSLR	~	18	6.7	4523029	11	1.6	4523030
EPDPb 1	12/20/2019		>	N/A	L or PSLR	~	0	4.9	4523033	0	1.6	4523034
EPDPb 4	12/21/2019		A	N/A	L or PSLR	*	19	3.6	4523041	30	2	4523042

MIO600 Benton Histor Lead Copper Report 15th helf 2020

AN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

DRINKING WATER AND ENVIRONMENTAL HEALTH DIVISION

LEAD AND COPPER REPORT AND

4 9 5es

1. Supply Name:

**EGLE Environmental Assistance Center** 

Telephone: 1-800-662-9278

Benton Harbor

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

#### CONSUMER NOTICE FOR COMMUNITY WATER SUPPLY FORM A - SUPPLIES WITH LEAD SERVICE LINES

EQP5942a

Rev. 5/2019

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	2. 0	County:	Berrien			3. WS	SN:	0600
	4. F	Population:	9,670	5. 1	Monitoring Period:	From: 1/1/2020	То	: 6/30/2020
	6. N	/linimum # of S	Samples Req	uired:	60	7. # of Samples Ta	ken:	63
	8. N	lame of Certifi	ed Laborator	<b>/</b> :	Eurofins Eaton Ar	alytical		
AMPL	E CR	RITERIA:				_		
This	forn	n is for wate	r supplies	collec	ting some or all l	ead and copper sa	manla	A Sucre side AMTI
		LEA	D SERVICE	LINE	ES. All other supp	olies should use Fo	orm E	s from sites WHA 3.
) és	ΙΝ̈́Ο	ľ					ı	
Х		Are some or	r all samples	from s	ites WITH lead servi	ce lines?		
		If no sites se	erved by a lea	ad sen	vice line, STOP and	use Form B		
х					tion according to the			more information Instructions item 11
1		Tier 1 si	ites must be i	ised u	nless insufficient Tie	r 1 sites available.	"Tie	er and Sample
		If insuffice     If insuffice	cient Tier 1 si cient Tier 2 si	tes ava	ailable, then Tier 2 s en Tier 3 sites must	ites must be used.	the	egory" at the end of document.
		<ul> <li>If no Tie</li> </ul>	r 1, 2, or 3 sit	es are	available, sites mus	t be representative		
_					ally found throughout			
Х	Х	If no, explai	me sampling n (attach add	sites ເ litional	ised as in the previo pages if needed):	us monitoring period?		
					pagas a nocucuj.			
omn	nente:	In order to m	eet the outro	n i mala	on of convoler (00) II			
IOIII C	o u iai	may mave mev	el adleed to	sambl	e perore vve as a c	at EGLE is demandin ommunity water supp	g, we ly had	had to reach out to
utsid	e age	ncies to fill the	pool to the	xtra re	equired.	The state of the s	.y mac	to depend apon
						0		
20102						// 8)		
	TURE:							
ne: _	Mik	re O'Ma	lley		Signature:	WWW _		
tle: 1	N Ja	es Operator	IN Cha	11/	Phone: 26a	)363-05-7D		1/2/20
J	- 10	1000		Ju	FIIOITE.	, 30, 0, 1) D	ate: _	0/30/80

Michigan.gov/EGLE

Page 1 of 10

11. TAP SAMPLING DATA
Sheet \_\_\_\_ of \_\_\_\_.

Too	rnhs	rpb4	rpb3	rpb2	rpb1	RP25	RP24	RP23	RP21	RP19	RP17	RP16	RP15	RP14	RP13	RP11	N TO	8810	RP9	RP7	RP6	RP5	RP4	7.5°3	NF L	2		Location	Sample	
2/6/2020	0202/0/2	5/6/2020	5/7/2020	5/6/2020	5/6/2020	4/29/2020	4/28/2020	4/30/2020	4/29/2020	4/28/2020	4/28/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020	4/29/2020	0707/67/+	1/20/2020	4/29/2020	4/28/2020	4/29/2020	4/29/2020	4/28/2020	4/28/2020	4/30/2020			מנייקה במנה	Sample	
Ţ	١,		12	.1-)	ر در	ر در	ر در				,1-2		,1-1	, , ,	حــر.	دسار ار		٠, ١, ١	ا د	<u></u>	<u>—</u>			حرا	برا				<b>→</b>	- 10
A		>   ?	Δ	A	A	Α	A	Α	Α	A	A	Α	A	A	A	Α	A		>  :	D	Α	A	A	Þ	A				D	Calegory
Unknown							THE REAL PROPERTY.	1		Unknown	Unknown			Unknown	Unknown	Unknown	UNKNOWN	IWO	Inknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			Unknown	Plumbing	Bulhima
Possible	Possible	Very Likely	very Likely	very Likely	Possible	Likely	very Likely	very Likely	very Likely	very likely	Possible	Possible	very likely	Likely	Possible	Possible	very Likely	Possible	VCI Y LINCIY			PLSLR	Likely	very Likely	Likely	Lead in area	Unknown =	nearby	Very Likely ≈ known	Service Line
Kitchen L	Kitchen	Kitchen	Niccite:	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchon	Kitchen	Vitchon	Ki+chon	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	NICTION	Vitabon I	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen				Kitchen	Tap Type
0.0	1.8	0.0		1.1	1 0	ی ا				3.5	440	1./	7.7	7.3 L.3	2 0	0	ω	0	5.2			0	0	1.2	1.4	J/Bn		Lead	]  →	
8.7	13.0	37.0	c	9.4	1.3	1.3	1	2.3	2 0	2 1	T30		<u>.</u> ر	ر د ا		5.7	1.3	2.1	150	2.5	J (	٥	2	0	0	ng/L		Copper	1 <sup>st</sup> Liter Samble	
4624130	4624129	4624128	4624127	4624126	4621324	4621323	4621322	4621321	4621320	4621319	4621318	4621317	4621316	4621315	+TCT704	1621211	4621313	4621312	4621311	4621310	40C1209	1621200			4621306	Number	Sample	Lab	ble	
0.0	3.4	0.0	2	0	5.1	0	0	0	0	5.1	1	0	10	0	C		9.7	0	5.1	0	C		T.0	10	0	ug/L		Lead	ଠା	
8.3	2.6	9.6	0	2.5	1.3	2.4	4.2	1.7	7.2	8.6	2.7	0	1.6	0	4	4	1 0	2.6	28	1.4	6.1	C.T	1 0			ug/L	mg/L	Copper	5 <sup>th</sup> Liter Sample	
4624150	4624149	4624148	4624147	4624146	4621343	4621342	4621341	4621340	4621339	4621338	4621337	4621336	4621335	4621334	4621333	7CCT704	1621222	4621331	4621330	4621329	4621328			Ţ	1631335	Number	Sample	\$5	ple	

11. TAP SAMPLING DATA Sheet A of 3.

NFC 11	RPC 10	PPC 10	RPC 9	RPC 8	RPC 7	RPC 6	RPC 5	RPC 4	RPC 3	RPC 2	RPC 1	rpb21	rpb20	rpb19	rpb18	rpb17	rpb16	rpb15	rpb13	ZTadı	rpo11	TDD10	-p600	rpho	-pb0	rph7	rpb6		רטכמנוסו		
3/13/2020	5/13/2020	5/12/2020	5/12/2020	5/13/2020	5/13/2020	5/13/2020	5/12/2020	5/12/2020	5/13/2020	5/13/2020	5/13/2020	5/8/2020	5/7/2020	5/5/2020	5/7/2020	5/7/2020	5/7/2020	5/7/2020	5/7/2020	5///2020	5/7/2020	5///2020	5/1/2020	07/1/2020	0202/1/2	0202/0/2	5/8/2020			Sample Date	
11/							1 A		12						.1-2	ر حـــر	.1-3		حر ا	<u></u>	سر [ ۵	سر ار		٠, ٠	-ر د	٠, د					_
A	A	A											A	Α	Α	Α	Α	Α	Α	A	A	A	A	A	Α	• 1	>				>
Unknown	-			_	_		THE REAL PROPERTY.			_		- 1			Unknown			Unknown	Unknown	Unknown	Unknown		Unknown	Unknown	Unknown	UMQINID			Unknown		Plumbing
very Likely	LIKELY LIKELY	likely likely	very Likely	very Likely	very Likely	very Likely	very Likely	very Likely	very Likely	very Libely	very likely	very likely	very Likely	very Likely	very Likely	very Likely	very Likely	likely	very Likely	very Likely	very Likely	very Likely	Lead in area	Unknown =	nearby	Likely = lead	very Likely =				
Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	NICHEI	Nit Chen	Kitchen I	Kitchen	Kitchon	Vitorie:	Nitchen	Nitchen	Vitchen	Nicolei	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen	Kitchen					Kitchen
0	0	22	1.5	0	0	0 0	67	J.U	2.4	, ,	3.5	0.00T	0.0	0.0		4.4	200	6.7	0.0	8.5	9.2	5.7	3.6	21.0	0.0	2.4	ng/L		Lead		-;
7.8	0	7.3	9.1	2.5	×	3.2	4.4	2.0	7.2	2 2	230.0	333.4	2.2	7.7	1 - 1	1 !: \	1 7	48.0	4.1	6.4	2.0	2.3	1.1.	4.4	3.2	1.7	ug/L		Copper		1" Liter Samble
4629483	4629482	4629481	4629480	4629479	4629478	4629477	4629476	4629475	4629474	4629473	4624145	4624144	4624143	4624142	4624141	4624140	4024105 CC14204	162/120	4624138	4624137	4624136	4624135	4624134	4624133	4624132	4624131	Number	Sample	Lab		ole Ole
0	0	18	0	0	0	0	11	1.5	2	0	1.4	5.3	0.0	0.0	0.0	1.3	4.3	4.0	0.0	7 2	23.0	14.0	7.9	4.2	0.0	1.3	ug/L		Lead		ರ್ಷ
1.4	0	7.5	2	2.8	14	2.9	1.6	0	1.6	2	20.0	1.0	1.3	1.00	5.1	1.1	0.00	E00	1 7 1.1	1 1	2.6	2.0	4.4	1.5	1.1	1.2	ug/L	i i	Copper		5 <sup>th</sup> Liter Sample
4629500	4629499	1670/108	4629497	4629496	_4629495	4629494	4629493	4629492	4629491	4629490	4624165	4624164	4624163	4624162	4624161	4624160	4624159	4624158	4624157	CT#704	4624156	T				4624151	Number	Sample	0 7 7 7		ole

11. TAP SAMPLING DATA
Sheet 3 of 3.

		Tier	Category	Building	Service Line	Тар Туре	n n	)	•	l Š		
			A	Plumbing	Very Likely ≈ known	Kitchen	- <u>-</u>	1ster Sample	le	     	5" Liter Sample	0
Sample Location	Sample Date			Unknown	Likely = lead		Lead	Copper	Lab	Lead	Copper	Lab
					Unknown =		2		Sample			Sample
					Lead in area		ug/L	ng/L	Number	ug/L	ng/L	Number
RPC 12	5/13/2020	در	Α	Unknown	Unknown very Likely	Kitchen	2.2	5	4629484	2.4	2.7	4629501
RPC 13	5/12/2020	در	Α	Unknown	Likely	Kitchen	0	1.1	4629485	0	0	4629502
RPC 14	5/13/2020	בנ	Α	Unknown	Unknown very Likely	Kitchen	0	0	4629486	8.3	2	4629503
RPC 15	5/13/2020	در	1 A	Unknown	Unknown very Likely	Kitchen	1.4	36	4629487	1.3	2.9	4629504
RPC 16	5/13/2020		Α	Unknown	very Likely	Kitchen	44	3.7	4629488	81	1.0	4629505
RPC 17	5/13/2020		A	Unknown	Unknown very Likely	Kitchen	6.4	2.9	4629489	4.3	1.5	4629506
RPd 1	6/9/2020	حر	Α	Unknown	Likely	Kitchen	23	1.8	4651648	2.4	1.3	4651655
RPd 2	6/10/2020	1	Α	Unknown	Likely	Kitchen	3.4	33	4651649	2.9	2.6	4651656
RPd 3	6/10/2020	<u>حر</u>	Α	Unknown	Unknown very Likely	Kitchen	11	45	4651650	3.9	28	4651657
RPd 4	6/10/2020	<u>_</u>	Α	Unknown	very Likely	Kitchen	4.4	5.6	4651651	6.6	7.5	4651658
RPd 5	6/10/2020	J>	Α	Unknown	very Likely	Kitchen	1.4	3.9	4651652	1.6	1.2	4651659
RPd 6	6/10/2020	1	Α	Unknown	Likely	Kitchen	0	2.2	4651653	0	2.1	4651660
RPd 7	6/10/2020		Α	Unknown	Unknown very Likely	Kitchen	17	28	4651654	23	26	4651661



### MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY DRINKING WATER AND MUNICIPAL ASSISTANCE DIVISION

## LEAD AND COPPER REPORT AND CONSUMER NOTICE OF LEAD AND COPPER RESULTS CERTIFICATE FOR COMMUNITY WATER SUPPLY

Issued under authority of 1976 PA 399, MCL 325.1001 et seq., and Administrative Rules, as amended.

Failure to submit this information is a violation of Act 399 and may subject the water supply to enforcement penalties.

Administrative Rule R 325.10710d requires water supplies to report lead and copper monitoring information within 10 days after the end of the monitoring period. This form may be used to meet this requirement. Form instructions available on pages 5 and 6. Submit the information to the appropriate Department of Environmental Quality (DEQ) district office.

		1.	Supply	Name:	City of Ber	nton Ha	rbor MI.			
		2	County:		Berrien				3. WSSN:	0600
			Populat		8800		onitoring Period:	From: 6/1/2		D: 9/30/2018
					amples Req		30	7. # of Sam		
		8. 1	Vame o	f Certifie	ed Laborator	y:	Eurofins Eaton Ar			
9. SA	MPL	E CR	ITERIA	:						
	Yes	No	NA							
				Are all	samples fror	n Tier	1 sites? Yes to our	knowlodgo		
				<ul><li>Did you</li><li>Tien</li><li>If in</li><li>If no</li></ul>	I prioritize sa r 1 sites mus Isufficient Tie Isufficient Tie D Tier 1, 2, 0	imple of st be user 1 site er 2 site er 3 site	collection according sed unless insufficion according sed unless insufficions available, then Ter 3 sites are available, site sypically found through	to the followin ent Tier 1 sites ier 2 sites mus must be used	available. t be used.	For more information see Instructions item 11 "Tier and
				If Tier 1 lead ser If no, ex	or 2 sites us vice lines? <b>(plain</b> (attac	sed, we	ere at least 50% of ional pages if need lead service lines,	samples from s	sites with	Sample Category" on pages 5-6.
			10.37503263.0503.0503	,	The second I CHEFCHO!	I auuiii	tes used as in the jonal pages if need efused to participa	adi Mani of Al-	oring period	? the original sampling
M	any f	ormer	particin	oants ch	e were 26 sit neir service li nose not to he to make up t	eln ue	(mostly by hat la	mpling period. ith copper, leaving a sample fo	2 of those s ring 24 avail or us to pick	ites were removed able from 2015. up). 6 additional
Tit	ne:	Micha O'Mal		Ache	O'Nulle	1 Her S	Signature: 4	363-05	7) Date:	10/1/3

www.michigan.gov/deq

EQP5942 (Rev. 4/2018)

DEQ Environmental Assistance Center Telephone: 1-800-662-9278

BH2	Sample Location	Sample	Tier	Catagon	Service	Building	7	-		The second secon
BH2		Date	(1,2,3,0)1	(see below) <sup>2</sup>	Line	Plumbing	Туре	Lead mg/L	Copper ma/L	Lab Sample
		9/18/18		г	(L,C,G,P)	(L,C,G,P)°	(K,B)4	⊠ ug/L	⊠ ug/L	Number
BH10		9/18/18	-		-   -	NA	00	0	2.3	4064980
BH15		9/18/18				NA	œ	0	61	4067554
BH21		0/40/40			36	NA	8	0	2.3	4064969
RHP3		81/01/8		H	*	N A	₩	0	16	4064967
ם ב		9/24/18		T	*	NA	Φ.	0	60	4067560
77.10		9/18/18		I	*	N A	Œ	<b>3</b>	3	
BH20		9/18/18	_	I	*	NA	0			40048/0
BH17		9/18/18	-	I	*		0	2.4	72	4064977
BH11		9/18/18	٠.	E =		NA NA	8	2.5	4.1	4067553
ВН3		9/18/18	٠ .	-   -		NA	œ	2.7	9.3	4064973
BH8		9/18/18			,	NA	00	4.1	4.4	4064975
BH33	менновальной Метельновического поставления подавления поставления пост	0/19/10	-		,	NA	8	4.4	4.2	4064970
BH29		0/10/10			*	NA	8	4.4	100	4064981
BH12		04040	_	I	*	NA	8	4.7	14	4067552
BH14		0/40/40		I	*	NA	8	4.9	2.5	4064968
BHM1		0/24/40			*	NA	8	5.5	4.1	4064972
BHP2		0/22/20		1	*	NA	B	5.8	<u>သ</u> .သ	4067558
RH30		8/23/18	_		*	NA	00	10	15	4067561
		9/19/18		エ	*	N <sub>A</sub>	Φ.	1	62	4064964
BH25		9/19/18	_	I	*	NA	D	2		1007007
BH28		9/18/18	_		*		α	13	47	4067556
BH30		9/18/18	-			NA	8	14	7	4064976
BH6		9/18/18				NA NA	8	14	2	4064971
BH5		9/18/18	٠ -		,	A	8	16	8.4	4064974
BH1		0/10/18	_		7	NA	B	17	14	4064979
ronmental	Environmental Assistance Control		-	100	C/G	NA	σ	30	6.4	4064965

3	*	Tier 1		T	Tier				BH19	0.170	BLOS	BHD1	-	BLD1	BH16	BH31
have a LSL	If a supply	C	В	A	*Category	Adolismo perincipi seconsistem es de amesore										
have a LSL. Sites with lead goosenecks/pigtails are Tier 1 sites.	least 20% of total service connections.	Single Family w/ interior lead plumbing	Single Family w/ copper plumbing with lead solder installed after 1982 and before 1989	Single Family w/ lead service line	Description											
pigtails are Tier 1 site	FR) if MFRs compris	ad plumbing	lumbing with lead so sfore 1989	rice line				3	9/18/18	9/18/18		9/24/18	9/24/18	0	0/18/19	9/18/18
-					1			-	.	_		4	>		A	_
Other	Tier 3	T	Tier 2	i Idi									-			
OT	I	<b>a</b>	ח ה	lory	T II					エ	ב	-	I	I		エ
If no Tier 1, 2, 3 sites, use s plumbing commonly found t	Single Family w/ copper plu installed before 1983	Multi Family or buildings w/	Multi Family or buildings w/ lead service line Multi Family or buildings w/ copper plumbing with	Description				*		*	*		*	*		*
, use sites representative of found throughout the supply.	per plumbing with lead solder		ings w/ lead service line ings w/ copper plumbing					NA		NA	NA		NA	NA	1 47 5	NA
ntative of e supply.			line bing with					80		מ	00		ס	œ	C	ū
	- rasuc	G = Galvanized	L = Lead C = Copper	Material				60	40	à	29	77	3	21	- C	2
	TOT resig	0 = 0th	K = Kitc	4 Tan Tuno				1.5	1		48	6.2		86	2.7	
	ror residential sites)	O = Other (not an option	K = Kitchen Sink B = Bathroom Sink	VIDA				4067555	100/00/	4067557	4067559	1000	1087880	4064982	1004900	4064066

Notes: BH

There were not enough data lines. I had to add enough for 30 samples. And nowhere was a question regarding 90<sup>th</sup> percentile: The 90<sup>th</sup> Sample for Lead is #27: at 48 ppt. at Site BHD1

L\* means presumed lead service line, but unknown. A great number of the known and unknown of Benton Harbor's water

Tapped with Brass, Lead to Brass Curb Stop and Galvanized beyond.

Or for newer construction: Tapped with brass; Copper to Brass Curb Stop and unknown beyond and into house.

NA means that we did not enter the household; and that material records in the homes were not accessed; or available.

C/G means the one site we know to have a new lead service lead replaced with copper and connected to a galvanized pipe

You may notice that the sites and lab numbers vary as the entire data pool above is sorted on Lead (lowest to highest). And finally, the lab numbers vary in 2 separate sequences, since there were 2 deliveries to the lab.