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SUBMISSION:

REVISION:

STAMP:

NOT FOR CONSTRUCTION

MADISON COUNTY
 LAKE CHOCTAW
 LONDON, OH

DESIGN	DRAFT	CHECK
???	???	???

IBI GROUP NO.: ??-???

DATE: MARCH, 2017

SCALE:
 HORIZONTAL: 1" = 400'
 VERTICAL: 1" = NA

SHEET TITLE:

**LEAD MAP
 DISTRIBUTION**

SHEET NO.: **1**

LEGEND
 ● POTENTIAL LEAD
 ● NO LEAD
 ● NO INFORMATION
 ● TIER 1
 ● TIER 2

J:\06670_Choctaw\Map59 Drawings\Spec\Document\Choctaw_Lead_Map.dwg by: kathy.perez on 03/02/2017 @ 06:03:00 pm - © IBI Group

March 2, 2017



RECEIVED
OHIO EPA
2017 MAR -3 AM 9:42

Katie Anderson
Ohio Environmental Protection Agency
Central District Office
50 W. Town St., Suite 700
P.O. Box 1049
Columbus, OH 43215

Re: Choctaw Utilities, Inc. - Lead Mapping

Dear Ms. Anderson,

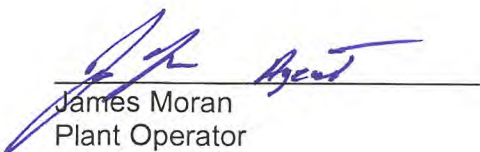
Choctaw Utilities, Inc. is submitting this report in regards to the new requirements for lead and copper.

In compliance with Section 6109.121 of House Bill 512 please find the following items enclosed in the report:

1. Map of lead distribution within system
2. Description of buildings within system
3. SMP ID Sheet
4. Verification Form

If you have any questions or concerns, please contact James Moran at 740-852-2593.

Sincerely,


James Moran
Plant Operator
Choctaw Utilities
2875 Oneida Dr.
London, Ohio 43140

Choctaw Utilities, Inc.- Lead Mapping Report



Prepared for Choctaw Utilities, Inc.
by IBI Group

March 2, 2017

Document Control Page

CLIENT:	Choctaw Utilities, Inc.
PROJECT NAME:	Choctaw Utilities, Inc.- Lead Mapping Report
REPORT TITLE:	Choctaw Utilities, Inc.- Lead Mapping Report
IBI REFERENCE:	106470
VERSION:	V1
DIGITAL MASTER:	J:\106470_ChoctLeadMar\10.0 Reports
ORIGINATOR:	Katelyn Penza
REVIEWER:	Randy Stoll
AUTHORIZATION:	Kevin Wood
CIRCULATION LIST:	
HISTORY:	

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1 Background

Choctaw Utilities, Inc. serves potable water to a population of about 1,900 people within Madison County. The distribution system consists of 12 miles of asbestos concrete pipes varying in sizes between 3" to 8" and most piping being in the 4" to 6" range.

Lead in water distribution systems is becoming a growing concern due to its associated adverse health effects. In June 2016, House Bill 512 was passed by Ohio Environmental Protection Agency to establish requirements governing lead and copper testing for community and nontransient noncommunity public water systems. This law also included the revision of governing lead contamination from plumbing and fixtures. To be in compliance with the new regulation the following are attached to this report: map of potential lead plumbing within the system, description of the buildings that may contain lead plumbing and a list of the sampling locations for Tier 1-2 sites.

2 Mapping Distribution

Prior to 1986 it was common to have 8% lead content in plumbing material, but in 1986 the Safe Drinking Water Act enacted a law banning the use of lead solders that contain greater than 0.2% lead. To be conservative in creating the map, it was considered that any house built before or in 1998 may contain lead plumbing.

The map was marked with colored circles based on the year the building was built. Half of the circle representing the public service line and the other half representing the private service line. The colors in each half circle represent:

- Yellow= Potential Lead
- Green= No Lead
- Grey= No Information

Google Earth satellite imagery was used as a base layer to associate buildings with lot numbers. For the private service lines, any building built in or before 1998 was marked yellow, while any building built in or after 1999 was marked green and any building not associated with a date was marked grey. The public service lines were made of lead free material, therefore marked green for the entire distribution system.

The sample location of Tier 1 and Tier 2 sites are marked on the map:

- Tier 1- Pink
- Tier 2- Orange

3 Description of Buildings

Most of the buildings within Choctaw Lake water distribution system were built before 1998 and located in residential areas. For any building within the system, it is unclear of the type of

material used for plumbing fixtures, pipes or solder and if the plumbing fixtures have been updated since 1998.

4 Sampling Locations

The Lead and Copper SMP ID Sheet is attached to this report.

5 Reference

"Lake Choctaw." 39°57' 36 N and 83°29' 00 W. **Google Earth**. August 29, 2016. February 24, 2017.

Ohio EPA- Guidelines for Lead Mapping in Distribution Systems
http://epa.ohio.gov/Portals/28/documents/pws/PWS-04-001_01-06-2017.pdf

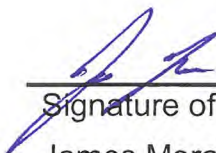
**VERIFICATION FORM FOR COMMUNITY PUBLIC WATER SYSTEMS
CLAIMING NO LEAD SERVICE LINES**

The owner or operator of all community public water systems must identify and map areas of their distribution system that are known or are likely to contain lead service lines. Systems must submit a copy of the applicable map to the Ohio Department of Health and the Ohio Department of Job and Family Services. Systems must also submit a report to the director containing at least both of the following: (1) The applicable map with narrative, and (2) A list of sampling locations used to collect samples as required by Ohio Revised Code (ORC) Section 6109.121 and any rules adopted thereunder, including contact information for the owner and occupant of each sampling site.

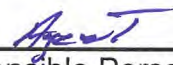
Should a water system determine no lead service lines exist in their distribution system, they must provide information stating they reviewed, at the minimum, historical permit records and local ordinances, distribution maintenance records and information pertaining to installation dates or materials for all services lines. This information must be verified below.

I HEREBY CERTIFY THAT THE FOLLOWING METHOD(S) WERE USED TO DETERMINE NO LEAD SERVICE LINES EXIST IN THIS WATER SYSTEM'S DISTRIBUTION SYSTEM, AS REQUIRED BY ORC 6109.121(F):


LEAD SERVICE LINE VERIFICATION	
This PWS states they have no lead service lines and has reviewed the following information (select one or more of the following):	
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	Historical permit records and/or local ordinances Distribution maintenance records (i.e. meter replacement, waterline break repairs) Information pertaining to installation dates for all service lines (i.e. after 1986 when lead services lines were banned) Service line material of all service lines is known (i.e. all service lines are known to be PVC)



 Signature of Responsible Person



 James Moran (Plant Operator)



 Date

 Printed Name and Title of Responsible Person

PWS NAME: _Choctaw Utilities Inc._____
PWS ID: OH4900212
COUNTY: _Madison____

<p><u>For Ohio EPA use only:</u></p> <p>Date Verification Rec'd: _____</p>
