



DEPARTMENT OF THE AIR FORCE
2D CIVIL ENGINEER SQUADRON (AFGSC)
BARKSDALE AIR FORCE BASE, LOUISIANA

1 March 2018

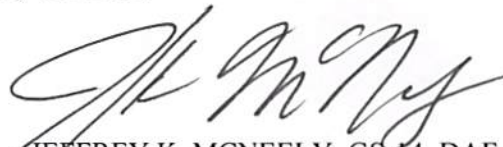
MEMORANDUM FOR LOUISIANA DEPARTMENT OF HEALTH
Office of Public Health
P.O. Box 4489
Baton Rouge, LA 70821-4489

FROM: 2 CES/CCD
334 Davis Ave West, Suite 200
Barksdale AFB LA 71110-2078

SUBJECT: Barksdale AFB Public Water System LA1015022 Lead and Copper Inventory

This inventory is being submitted in accordance with the Louisiana Department of Health letter dated February 1, 2018, Lead and Copper Rule, Improving Transparency and Public Information.

Our POC for this inventory is Mr. Robert M. Cote, (318) 456-3522.



JEFFREY K. MCNEELY, GS-14, DAF
Deputy Base Civil Engineer

Attached: BAFB Lead and Copper Inventory

Barksdale Air Force Base Public Water System LA1015022

Lead and Copper Inventory

LEAD PIPES:

Barksdale Air Force Base (BAFB) does not have any known lead drinking water mains, service lines or connections.

References:

- 1. Final Water Distribution System Analysis and Hydraulic Modeling Report, Barksdale AFB, May 4, 1998. Appendix A, Junction and Pipe Data**
- 2. Water System Technical Report, Barksdale Air Force Base, Louisiana July 2010. Chapter 4.2.1 Pipes and Appendix F Pipe Data**

HOUSING:

Barksdale AFB has several housing developments and subdivisions constructed over the life of the installation. Below is a list of the housing developments/subdivisions, number of houses, construction dates, and lead and copper information.

Historic Housing: Constructed between 1930 and 1941. 230 total houses: 106 single-family and 124 duplexes. The water systems in these houses were built with galvanized steel and/or copper piping. The original fittings are assumed to have been attached with lead solder.

Capehart Housing: Constructed in 1960. This subdivision consisted of 98 total houses: 8 single-family and 90 duplexes. All 98 houses were demolished in 2012. The water systems in these houses were built with copper piping. The original fittings are assumed to have been attached with lead solder.

Heritage Heights: Constructed in 1995. 128 duplexes total. These houses were constructed after the Lead Solder Ban of 1988 and are assumed to be lead free construction with copper piping.

Main Base Historic Compatible Housing: Constructed in 1998 through 1999. 170 duplexes. These houses were constructed after the Lead Solder Ban of 1988 and are assumed to be lead free construction with copper piping.

New Heritage Heights (Chief Housing): Constructed in 2009. 48 houses total, 20 single-family and 28 duplexes. These were constructed with modern materials and without lead.

Liberty Heights: Constructed in 2009 through 2010. 514 duplexes. These were constructed with modern materials and without lead.

LEAD AND COPPER SAMPLING:

The Barksdale Air Force Base (BAFB) Public Water System (PWS) does not have any Tier 1 houses, defined in 40 CFR 141.86 as “single family structures that contain copper pipes with lead solder installed after 1982 (but before 9/20/1988) or contain lead pipes; and/or are served by a lead service line.”

The BAFB PWS also does not have any Tier 2 houses, defined in 40 CFR 141.86 as “consisting of buildings including multiple-family residences that: contain copper pipes with lead solder installed after 1982 (but before 9/20/1988) or contain lead pipes; and/or are served by a lead service line.”

The BAFB PWS sampled Tier 3 houses defined in 40 CFR 141.86 as “consisting of single family structures that contain copper pipes with lead solder installed before 1983” for lead and copper.

LEAD AND COPPER SAMPLING RESULTS:

The BAFB PWS falls under the reduced monitoring rule as defined in 40 CFR 141.86. During the initial 2 semi-annual sample sets (started on July 1, 1992) the PWS met the lead and copper action levels and was allowed to reduce the number of samples from 60 to 30 and sampling frequency was reduced to once per year. The PWS then met the lead and copper action levels for the next 3 consecutive years. As a result, the BAFB PWS sampling frequency was reduced from once per year to every 3 years. The lead and copper sample results from the last 10 years are listed below.

In, 2015, 30 single family houses located in The Historic Housing section of BAFB were sampled for lead and copper. The 90th percentile results for lead was 2 part per billion (ppb), and for copper was 0 ppb.

In, 2012, 30 single family houses located in The Historic Housing section of BAFB were sampled for lead and copper. The 90th percentile results for lead was 1 ppb, and for copper was 0 ppb.

In, 2009, 30 single family houses located in The Historic Housing and Capehart Housing sections of BAFB were sampled for lead and copper. The 90th percentile results for lead was 1 ppb, and for copper was 0 ppb.

In, 2006, 30 single family houses located in The Historic Housing and Capehart Housing sections of BAFB were sampled for lead and copper. The 90th percentile results for lead was 1 ppb, and for copper was 0 ppb.

Residents of the sampled houses were supplied with the results of the sampling within 30 days of receipt of the results by the PWS as required.

For more information about specific houses or housing areas, contact Barksdale Family Housing at (318) 456-4238.

For more information about lead and copper sampling contact Bio-Environmental Management at (318) 456-6730 or the BAFB PWS Compliance Manager at (318) 456-3522.