



2009 Lead Water Service Replacement Report

Date: January 28, 2010

To: Mark A. Nelson, Water Supply Specialist, Wisconsin Department of Natural Resources

From: Doug De Master, P.E., Engineering Systems and Mapping

Cc: Tom Heikkinen, Madison Water Utility General Manager
Michael May, City Attorney, City of Madison

In February of 2000, the City of Madison adopted an ordinance on Lead Water Service Line Replacement. Madison Water Utility was on schedule to replace all lead water services by January 1, 2011, as stipulated in the ordinance (MGO 13.18(5)(g)), but is making arrangements to extend this schedule to January 1, 2012, due to customers' requests regarding economic conditions. The City of Madison is currently awaiting final approval from the Wisconsin Department of Natural Resources on a requested amendment that will allow this extension. Madison Water Utility is in compliance with regard to additional schedule-related stipulations in the ordinance (MGO 13.18(5)(a)-(f)).

In compliance with the stipulation, the Madison Water Utility makes the following report:

- On January 1, 2001, there were approximately 6,000 existing Water Utility-side services and 5,000 customer-side services.
- As of December 31, 2009, the Utility had replaced or cut off about 5,746 Utility-side lead services or 96%, while customers had replaced 4,481 lead services or 90%.

2009 Lead Service Removal

- In 2009, 10 Madison Water Utility lead services were cutoff and 50 lead services were replaced, making a total of **60 lead services taken out of service**.
- 208 Madison property owners took out applications in 2009 to replace their lead services.
- 202 reimbursements for lead service replacements were issued to property owners in 2009.

Remaining Water Utility Lead as of December 31, 2009: approximately **252** lead services.

Remaining Property Owner Lead as of December 31, 2009: approximately **339** lead services.

- 156 survey responders who reported lead services have not yet applied to replace their lead services.
- 18 survey recipients who have not returned their surveys are suspected to have lead.
- Approximately 125 customers are overdue, i.e., they have not replaced their lead services in accordance with the schedule established by the Utility.

**Madison Water Utility
Lead Service Removal Summary**

January 28, 2010

Year	Water Utility				Property Owners	
	Cutoff ¹	Replaced	Total Removed From Service ²	Total Remaining	Replaced (Reimbursed)*	Remaining
2000		295	295	6000	233	5000
2001	250	608	858	5142	773	4227
2002	250	662	912	4230	664*	3563
2003	254	640	894	3336	642*	2921
2004	155	651	806	2530	763*	2158
2005	196	618	814	1716	791*	1367
2006	219	587	806	803	473*	894
2007	62	280	342	461	324*	788 ³
2008	33	111	144	319	225*	590
2009	10	50	60	252	234 (202*)	339
2010 projected		WU 18 Cont 42 WU: Chandler (1) Charter (1) E Dayton (2) Dow (1) Gilman (2) E Gorham (3) N Hamilton (1) Langdon (1) Russell Walk (1) W Main St (4) W Wilson (1) Cont: Brooks (14) Frances (8) Milton (17) Norris Ct (3)	60	182	189	150
2011 projected		WU 64, Cont 116 WU: Univ (35) Univ (27) S Butler (1) N Lake (1) Cont: Williamson (74) Sherman (42)	182	0	150	0

¹Cutoffs prior to 2003 include all Utility service abandonments, not just lead services, though very few were not lead. Cutoff numbers for 2001 and 2002 are estimate.

²Includes 290 removals based on record corrections, not actual removals in the field.

³Number of remaining Property Owner lead services does not reflect all 2007 replacements. Discrepancy may indicate 2007 reimbursements for replacements completed prior to 2001, and therefore not included in the initial pre-2000 total of 5000 lead services, as well as other database updates and adjustments.