PHILADELPHIA WATER
EST. 1801

Debra McCarty, Water Commissioner

Verification Study Plan of Current LCR Sampling Procedures

Purpose: The purpose of this study will be to test whether the removal of the aerator and pre-flushing affects sample results for lead.

Procedure: Three to six homes with lead service lines will be selected to participate in the study. A total of six samples per home will be collected using the following format. Each participant will be instructed in proper sample collection. One 1-liter first draw sample will be collected for analysis.

> **Method A** will be Philadelphia Water's current LCR sampling procedure where the aerator will be removed and the sample tap will be run before the 6 hour stagnation period begins.
>
> **Method B** will be using Philadelphia Water's current LCR sampling procedures except the aerator will be left on.

Timeline: The study is planned for the spring of 2016. It will occur over a total of six sample days where the first three days samples will be collected with **Method B** and the following three days with **Method A**.

Analysis: The State accredited method for lead will be used by BLS. A water quality sample will be collected after the first draw sample to be analyzed for general chemistry parameters.

Other information to be collected will include address of home, zip code, and treatment plant service area.

Home ID	Zipcode	Treatment Plant Service Area	Day	Method	Result
	XXXXX	Bax/QL/Bel/EP	1	B	
			2	B	
			3	B	
			4	A	
			5	A	
			6	A	

Results: All participating customers will be notified of their results at completion of the study; however, if any result exceeds 15 ppb, the EPA's Action Level, the customer will be notified ASAP. The PA DEP will be notified of results by the 10th of the month after study completion.