Water Characteristics Report

_____

Name of System

This report is a summary and recommendation based upon evaluation of _____ water for water quality parameters (WQP) and corrosive/scale forming characteristics of the Drinking Water. This report is a result and response to a recent exceedance of a Lead and/or Copper Action Level.

The following WQP's were collected by FRWA and plugged into the **Rothberg–Tamburini–Windsor model (RTW)** for determination of Langelier Saturation Index (LSI) to determine scaling potential.

The below results are average WQP results at entry point to distribution and at all distribution sites. See attached "Distribution and Entry Point Water Quality Parameters Reporting Format 62-550.730(4)(c)" for individual WQP results.

pH_____

Temperature_____ "C"

Conductivity (Total Dissolved Solids {TDS} x.64) _____

Alkalinity_____

Calcium Hardness_____

The Calculation result for the LSI is_____

☐ The LSI was a negative number, indicating a corrosive water and FRWA recommends installation of the following corrosion control treatment).

☐Polyphosphate [specify]_____

☐Other [specify] _____

☐ The LSI was a positive number indicating a scale forming water. FRWA recommends the system start consideration of possible treatment. The system should take tap samples for lead and copper as required by the Lead and Copper Rule within the next six-month sampling period using proper sampling guidance and protocols. After the Department receives the results of this sampling, a determination of the next step(s) to be taken, including possibly installing treatment, will be made.

FRWA Drinking Water Staff

Attached is DEP WQP forms

Attached is RTW/LSI report-calculation