

TO: Public Works Committee
FROM: Carrie Gillum, Water Resources Specialist
DATE: January 19, 2023
SUBJECT: Corrosion Control Program Update

1) Recommended Action:

None. Staff will provide an update of the Corrosion Control Study and results from the 2022 lead and copper sampling program.

2) Background:

Every three years, the City of Tumwater is required by the federal "Lead and Copper Rule" (LCR) to sample 30 "Tier 1" taps served by the water utility for lead and copper. Tier 1 includes homes constructed between 1983 and 1987, as they are more susceptible to metal degradation from the water. In the summer of 2022, the City broadened its sampling campaign to include investigative samples for homes outside of the required Tier 1 samples. This year, the City had 142 volunteer participants, the largest number to successfully submit water samples for testing. This additional data helped the City better understand its water quality throughout the distribution system and was used to support work for the 2021-22 Corrosion Control Study. In 2019, Tumwater's residential and non-transient populations exceeded 50,000 requiring the City's water system to demonstrate optimal corrosion control. Under the LCR, all water systems with residential and non-transient populations over 50,000 must demonstrate this. In November of 2022, a Corrosion Control Study was completed by HDR Engineering Inc. and submitted to Washington Department of Health for review.

3) Policy Support:

- 40 CFR Part 141: Lead and Copper Rule (LCR) Subpart I
 - WAC 246-290-300
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4) Alternatives:

- ☐ None
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5) Fiscal Notes:

- City of Tumwater Corrosion Control Study, completed by HDR Engineering Inc. - \$86,127.62
 - 2022 Residential Lead and Copper Tap Sampling Lab Costs - \$4,965.00
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6) Attachments:

- A. Corrosion Control Study Department of Health Project Report