



PUBLIC HEALTH DIVISION
Drinking Water Services

Kate Brown, Governor

Oregon
Health
Authority

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March 23, 2022

Ben Klayman
Medford Water Commission
200 S Ivy Street, Room 117
Medford, OR 97501

Re: **Duff WTP Baffles, tracer study and higher filter loading rate (PR#7-2021)**
Medford Water Commission (PWS ID#00513)
Final Approval

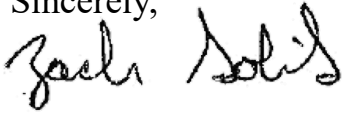
Dear Ben Klayman:

On March 8th, 2022, the Oregon Health Authority Drinking Water Service (DWS) received confirmation that the above project was completed according to the plans submitted and as-built information provided by Jacobs Engineering.

This Medford Water Commission's (MWC) project has included the installation of baffles in its existing contact chamber, an updated tracer study and a filter loading rate study to support increasing the capacity of the Duff Water Treatment Plant to 65 Million Gallons per Day (MGD). The peak hour flow during the tracer study test was 45 MGD. The submitted filter loading rate study showed the existing filters can meet regulatory requirements and performance goals up to an estimated maximum filtered water production capacity of 54.4 MGD. Due to the limited duration of the filter loading study, the use of filter loading rates above the water treatment plants original design will be limited to June 1st through September 30th. The filter loading rate and Duff Water Treatment Plant capacity will be limited by the tracer study's peak upper limit flow of 49.5 MGD (10 percent of the tracer study tested peak flow). During times when the water treatment plant exceeds 45 MGD, the MWC shall monitor and maintain records of raw water and settled water turbidity to show concurrence with the submitted filter loading rate study.

This verification completes the plan review requirements. Final approval is issued at this time, and the facility is approved for use. If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,

A handwritten signature in black ink that reads "Zach Golik". The signature is written in a cursive, slightly slanted style.

Zach Golik, PE
Regional Engineer
Drinking Water Services

CC: Julie Wray, DWS Portland