

April 9, 2025

Jason Diamond, PE
Veolia Water Technologies and Solutions
jason.diamond@veolia.com
Letter sent via email only.

**Re: City of Pendleton ([PWS ID#00613](#))
Full Membrane Cassette and Module Replacement
(12 20Ms cassettes in each of 4 trains w/20 ZeeWeed® 500Ds modules/cassette)
Final Approval – [PR# 126-2021](#)**

Dear Mr. Diamond:

On April 8, 2025, our office received confirmation that the above project was completed according to the plans submitted and conditions set forth in the [October 5, 2021 conditional approval](#) letter. The project work included the following:

1. Replacing existing older ZeeWeed® (ZW) 500C membrane modules with new ZW500Ds modules, PLC replacement hardware, and PLC software updates; and
2. Sandblasting and repainting all the concrete basins in the water filter plant with an NSF-61 approved paint system.

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 503-939-1322 or email me at keith.male@oha.oregon.gov.

In summary:

Minimum DIT ending pressure: **10.1 psi**
PDR_{max}(UCL) during a DIT: **0.154 psi /min**
Log removal credit (LRC): **4.0**

The LRC above is only valid provided the membranes are operated within the limits shown in Table 1 in the attached Appendix A. (Ensure SCADA/PLC programming accounts for the operating limits in Table 2 using appropriate alarm set points to help ensure the limits are met).

Sincerely,



Keith Male, PE
Regional Engineer
Drinking Water Services

Cc: Veolia Water Technologies & Solutions:

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City of Pendleton:

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