



March 12, 2024

John Ferguson
Lexington Pump
PO Box 626
Lexington, Oregon 97839

**Re: Chlorination System, Plan Review #143-2023, Green Acres, PWS ID #4195168
Conditional Approval**

Dear Mr. Ferguson:

Thank you for your submittal of plan review information to the Oregon Health Authority's Drinking Water Services (DWS). The plan review fee of \$248 was received on January 23, 2024. On March 11, 2024, our office received specifications for the equipment to be installed for the project along with a sketch of the proposed installation. The proposed project consists of installing a hypochlorination system with a Stenner peristaltic metering pump and 30-gallon solution tank.

The plans are approved with the following conditions:

1. The chemical injection must be proportional to the flow of water. This is typically accomplished by wiring the chlorine feed pump so that it turns on/off at the same time as the well pump.
2. The chlorine solution used must be certified to NSF Standard 60 or equivalent.
3. A test kit that measures "free" chlorine and uses DPD reagent must be obtained so the chlorine concentration in the drinking water can be measured.

I also have the following comments:

- Regular inspections of the chlorination equipment will be conducted in lieu of installing a low-level alarm on the solution tank.
- I note that the required sample taps located upstream and downstream of the chlorine injection point are shown on the sketch.

Upon completion of the installation, please verify that the project was constructed according to the submitted plans. Until it is verified that the project meets the construction standards in OAR 333-061-0050 and Final Approval is granted for the project, the new facilities are not approved for use. If you have any questions or would like this in an alternate format, please feel free to email me at william.h.goss@oha.oregon.gov or call me at (541) 966-0900.

Sincerely,



William Goss, P.E.
Regional Engineer

c: Julie Wray, OHA-DWS, Portland, OR
Mary Beach, Green Acres
Michael Fallon