



PUBLIC HEALTH DIVISION
Drinking Water Services

Kate Brown, Governor

Oregon
Health
Authority

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August 25, 2021

Steve Lambert
Jackson County Casey Park
7520 Table Rock Road
Central Point, OR 97502

**Re: Arsenic Treatment (PR#125-2021)
Jackson County Casey Park (PWS ID#91033)
Conditional Approval**

Dear Steve Lambert:

Thank you for Jackson County Park's submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the arsenic treatment for Casey Park. On July 27, 2021, DWS received centralized arsenic treatment product specifications and a plan review fee of \$248.

The project includes the installation of centralized arsenic treatment at Jackson County's Casey Park located west of Lost Creek Lake. The centralized arsenic treatment system will utilize ion exchange process in its treatment of arsenic. The ion exchange chemical will be ResinTech SBG2 which is chloride form type 2 gel strong base anion resin. A Clark mineral tank and Clark WS1 water specialist control valve will be utilized in conjunction with the ion exchange chemical.

The project shall adhere to all applicable DWS Oregon Administrative Rules (OAR). The submitted plan review material has been reviewed and the following items were noted as conditions of final approval:

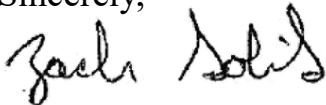
- Per OAR 333-061-0050(1)(d), facilities at public water systems shall be designed and constructed in a manner such that contamination will be effectively excluded, and the structures and piping will be capable of safely withstanding external and internal forces acting upon them. The centralized arsenic treatment shall be located in a secured location where it can be easily serviced and protected from the general public.

- Per OAR 333-061-0050(1)(e), only materials designed for potable water service and meeting NSF Standard 61: Drinking Water System Components - Health Effects or equivalent shall be used in those elements of the water system which are in contact with potable water.
- Per OAR 333-061-0050(4)(a)(B), investigations shall be undertaken by the water supplier prior to the selection or installation of treatment facilities to determine the physical, chemical and microbiological characteristics of the raw water as appropriate. These investigations shall include a determination of the seasonal variations in water quality, as well as a survey to identify potential sources of contamination which may affect the quality of the raw water. Prior to purchase and installation, it is recommended that the water system confirm with the manufacturer and/or their representative that the selected treatment can successfully treat raw water arsenic levels at the desired flow rates through a full season of raw water variability and produce compliant finished public drinking water.
- Per OAR 333-061-0050(4)(a)(D), laboratory equipment shall be provided so that the water supplier can perform analyses necessary to monitor and control the treatment processes. If a regional water quality lab will be utilized raw and finished water sampling, coordinate with selected lab on necessary equipment.
- Per OAR 333-061-0050(4)(a)(E), sampling taps shall be provided before and following the treatment process and before the first user when any form of water treatment is used at a public water system. Send photos of as-built construction reflecting sample tap locations in relation to arsenic treatment.
- Per OAR 333-061-0036, submit finished water samples once arsenic treatment is constructed and operational.
- All systems for disposal of waste byproducts produced in association with the proposed centralized arsenic treatment shall conform to the Department of Environmental Quality's (DEQ) requirements.

Until we receive verification that the conditions have been met and final approval has been issued, the centralized arsenic treatment at Casey Park is not approved for use. Upon completion of the project, the Owner or Owner’s Representative must verify in writing that construction was completed according to the submitted plans. A set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #125-2021 and can be emailed to me at zachariah.cunningham-golik@dhsoha.state.or.us

If you have any questions, please feel free to email me at [email address] or call me at 541-231-9077.

Sincerely,



Zach Golik, PE
Regional Engineer
Drinking Water Services

CC: Julie Wray, DWS Portland
Susan Baker, Jackson County Public Health