

Chapter 15 of Multnomah County’s Code regulates noise within the unincorporated areas of the County. Section 15.270 specifically exempts noise generated by construction activity. Notwithstanding this provision, this plan has been developed in accordance with the following two Conditions of Approval from Multnomah County Land Use Case No. T3-2022-16220, page 85:

- “Applicant shall implement a Noise Pollution Control Plan (NPCP) during construction consistent with the description at Exhibit I.80, page 8. The NPCP shall require use of a sound level meter to check for sound level verification.”
- “Applicant will require the contractor to use noise mitigation strategies in order to ensure that the nighttime noise level during construction meets the County's noise ordinance nighttime standard (notwithstanding any exemption for construction). Noise control will be periodically verified with a sound level meter to confirm nighttime noise ordinance standards are met.”

PROJECT OVERVIEW

The Bull Run Filtration Facility project site is located east of Gresham, Oregon. The site is bordered on the north by SE Carpenter Lane and SE Dodge Park Boulevard. It is bordered to the east by a steep slope down to SE Dodge Park Boulevard and SE Lusted Road, and down to the Sandy River. It is bordered on the south and west by agricultural fields. The southern property line is also the county line between Multnomah and Clackamas counties. The nearest road to the south is SE Bluff Road.

The water filtration facility will be constructed on more than 90 acres at the location described above. Carpenter Lane east of Cottrell at the entrance to the plant will be improved as part of the project. Additional road improvements that will be made include the “fix it first” improvements, which will reconstruct some of the roads surrounding the site, prior to the commencement of hauling operations.



Figure 1 – Location Map

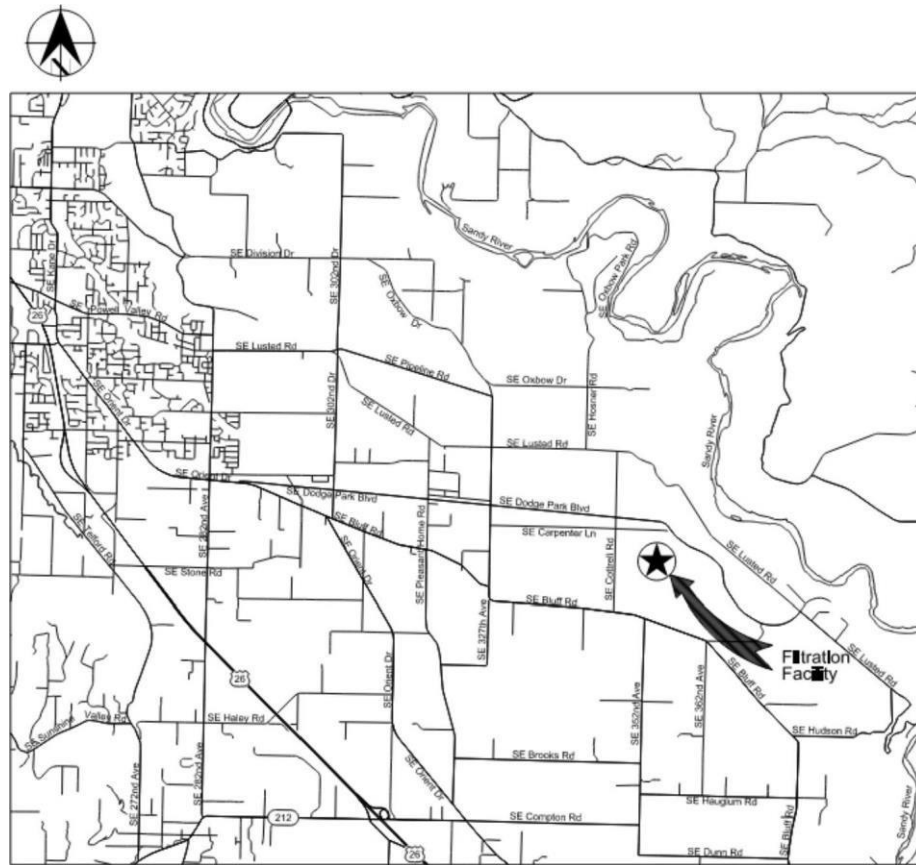


Figure 2 — Vicinity Map

PURPOSE

The objective of this Noise Pollution Control Plan (NPCP) is to identify private properties that may be affected by prolonged periods of excessive construction noise. It outlines the strategies, techniques, and equipment required to mitigate construction noise at those properties during the construction process.

CONSTRUCTION NOISE CONTROLS

In accordance with contract specification 01 35 11, MWH-Kiewit will implement the following noise abatement practices and procedures:

- Not use equipment with sound control devices that are less effective than those provided on the original equipment. Equipment with un-muffled exhausts is prohibited.
- Use equipment that complies with pertinent standards of the U.S. Environmental Protection Agency (EPA).
- Locate noise-generating stationary construction equipment as far from nearby private properties as feasible.
- Limit any avoidable practices that generate excess noise such as compression brakes, or pumping brakes to intentionally slam tailgates (used to loosen stuck material).
- Shut off idling equipment when not in active use.
- Notify PWB whenever extremely noisy work is occurring.
- Construct temporary or portable acoustic barriers around stationary construction noise sources if required (for example, such barriers could be used around generators or other stationary equipment when located close to the property boundary).
- Ensure that tools and equipment utilized are proportionate to the activity being conducted to limit excessive noise resulting from construction.
- Use generators, light stands and compressors that meet or exceed the goals of local noise ordinance requirements (regardless of the construction exemption) and place generators to minimize disturbances to residential areas.
- When generators or other stationary equipment will operate outside the allowed work hours, they will be in sound attenuating enclosures and/or screened by acoustic sound barriers or other methods when necessary to meet nighttime noise regulations.
- Will not operate equipment outside of the hours 7 am and 6 pm Monday through Saturday without using mitigation strategies to ensure that the nighttime noise level during construction meets the County's noise ordinance nighttime standard (regardless of the construction exemption).

CONSTRUCTION WORKING HOURS

- Normal working hours at the facility site are Monday through Saturday, between 7 am and 6 pm.
- Normal working hours for the Carpenter Lane road improvements are Monday through Friday, between 7 am and 6 pm. Weekend work requires approval from Multnomah County.
- Normal working hours for the Fix it First road improvements are Monday through Friday, between 7 am and 7 pm.
- MWH-Kiewit will not operate equipment outside of the hours 7 am and 6 pm Monday through Saturday without using mitigation strategies to ensure that the nighttime noise level during construction meets the County's noise ordinance nighttime standard. (regardless of the construction exemption).

NOISE MONITORING AND REPORTING

Noise control will be periodically verified with a hand-held sound level meter to monitor sound levels and to confirm nighttime noise ordinance standards are met. MWH-Kiewit will document noise monitoring locations and results and provide results in the form of a report to the owner. If nighttime noise standards are not met, noise mitigation strategies will be used to ensure noise standards are met.

NOISE COMPLAINTS

If a noise complaint is received, the contractor (the JV) will work with PWB to communicate and mitigate concerns. Complaints about noise will be divided into two categories: (1) complaints about daytime noise or noise that does not exceed the nighttime noise standard in the Condition of Approval; and (2) complaints about noise that exceeds the nighttime noise standard in the Condition of Approval. The JV will make an effort to address all complaints when feasible.

Complaints about daytime noise or noise that does not exceed the nighttime noise standard in the Condition of Approval (category 1) will be addressed by reducing excess and non-essential noise. This may include placing additional noise reduction barriers made of plywood or soil, relocating portable noise creating equipment, or reducing the amount of idle equipment and non-pertinent simultaneous activities.

Complaints about noise that exceeds the nighttime noise standard in the Condition of Approval will require immediate action by the JV and subcontractors, potentially including halting the work to assess the root cause of the complaint and determining how to resolve the issue. Possible solutions for noise outside the Condition of Approval standard include replacing or modifying equipment to be quieter, installation of additional noise barriers or berms made of plywood or soil, and rescheduling or resequencing the work.