



September 23, 2024

Project No. S-2024-0634

Danielle Skalitzky  
Meinholz Excavating Inc  
7361 Darlin Drive  
Dane, WI, 53529

Subj: Mixed Wastewater Use of Existing POWTS in Verona for a Horse Barn and Dog Kennel

Dear Ms. Skalitzky,

The Department of Natural Resources has received and reviewed your recent submittal which proposes a mixed-wastewater use of an existing Private Onsite Wastewater Treatment System in Dane County (NE¼, NE¼, S32, T7N, R8E), in the Town of Middleton. The proposed existing POWTS consists of a two compartment 1650-gallon concrete tank manufactured by Meade. The effluent will then flow through an A100 commercial Zabel effluent filter to a subsurface absorption field. The system has a 600 gallon per day design flow.

The proposed existing POWTS is for the disposal of sanitary waste for employees and patrons (est. 97.5 gpd) and the industrial wastewater which will consist of floor drains, 3 catch basins in the kennel area, and one dog wash per day if a quick rinse off is necessary (est. 364.5 gpd). All of the drains have hair traps and solid feces will be picked up and thrown in the trash. Cleaning will mainly entail the use of a mop and a bucket. Cleaning products are environmentally friendly.

Based upon the information provided, the Bureau of Water Quality finds the inclusion of the industrial wastewater described above is acceptable. The Department of Natural Resources does not regulate sanitary wastewater flows that are under 12,000 gallons per day, so the final authorization for this application will come from the Department of Safety and Professional Services (DSPS). Please note that DSPS is also responsible for review and approval of any catch basins, sewer lines / connections, and other plumbing appurtenances associated with the installation of the proposed POWTS.

#### *Exemptions*

**Wells:** An exemption for s.NR 214.16(1)(b) Wis. Adm. Code can be granted under s.NR 214.06 Wis. Adm. Code to allow the subsurface treatment system to be installed at less than 250 feet of distance from a well because the industrial pollutant is reported to be of domestic strength waste. This means that 50 feet of distance will suffice to provide appropriate pollutant dilution, as recommended by the minimum separation requirements shown in Table A of NR 812 for a domestic POWTS that treats less than 12,000 gal/day.

**Limiting Factor:** An exemption can be granted under s.NR 214.06 Wis. Adm. Code for s.NR 214.16(1)(c) Wis. Adm. Code to allow the bottom of the subsurface treatment system to be installed at less than five feet of distance to a limiting factor because the industrial pollutant is reported to be of domestic strength waste. This means that three feet of distance will suffice to provide appropriate pollutant dilution, as recommended by the minimum separation requirements shown in SPS 383.44, Table 383.44-3.

*Conditions of concurrence*

This letter documents the Department's POWTS design review for the industrial wastewater described above.

Based on this review, the Department of Natural Resources concurs with the proposal to combine and treat the domestic wastewater and non-domestic wastewater generated at this facility via the proposed POWTS.

*Discharge of wastewaters not identified above.*

This concurrence only covers the disposal of the industrial wastewater described above through the POWTS system, also described above. If a future change in operations may lead to other industrial wastewater being discharged to the POWTS, please contact the Department of Natural Resources for review to ensure underground sources of drinking water remain protected, and so this letter of concurrence can be appropriately modified.

Please keep a copy of this correspondence for your records. If you or your client have any questions concerning this concurrence, please contact Laura Rodriguez Alvarez at the Department of Natural Resources, at [laura.rodriguezalvarez@wisconsin.gov](mailto:laura.rodriguezalvarez@wisconsin.gov)

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES  
For the Secretary

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