



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

September 24, 2012

Jen Gartner, CEO
WRS-USA, LLC
124 Kennedy Road
Ft. Wright, KY 41011

RE: Proposal to distribute SOLIDO models 4 E-30, 5 E-35, 6 E-50, 9 E-30/30, 11 E-35/35, 14 E-50/50, 5 E-30/15, and E-35/20. These aerobic treatment units are for use in individual and small on-site wastewater systems in the state of South Dakota

Dear Mr. Gartner:

The South Dakota Department of Environment and Natural Resources (DENR) is in receipt of plans, specifications, and information from the Prüfinstitut für Abwassertechnik GmbH, located in Aachen, Germany, for the SOLIDO models 4 E-30, 5 E-35, 6 E-50, 9 E-30/30, 11 E-35/35, 14 E-50/50, 5 E-30/15, and E-35/20 aerobic treatment wastewater system. These aerobic treatment units have been reviewed for compliance with South Dakota's "Individual and Small On-Site Wastewater Systems" regulations.

A variance to the "*minimum static vertical load requirement of the 1,000 pounds per square foot when bedded and backfilled to the top of the tank.*" located in South Dakota Administrative Rules (ARSD) § 74:53:01:23(1), is hereby granted based on the installation information provided. With this variance the use of the SOLIDO models 9 E-30/30, 11 E-35/35, 14 E-50/50, and E-35/20 aerobic treatment units are approved for individual residential and small on-site wastewater system. The installation of SOLIDO models 4 E-30, 5 E-35, 6 E-50, and 5 E-30/15 are approved for commercial small on-site wastewater system only. The approvable for installation of these units within the state of South Dakota is based on the following information and conditions.

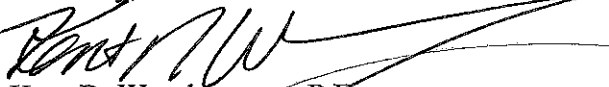
1. The discharge from these aerobic treatment units shall flow to a drainfield system that is designed and installed in accordance with ARSD § 74:53:01 *Individual and Small On-Site Wastewater Systems*.
2. An audible or visual alarm shall be located outside the treatment unit that will activate when there is a high water condition within the unit or failure of a compressor. This alarm will alert the homeowner and or operator of the wastewater system to any such failure or condition.

3. Plans and specification for each wastewater system using these aerobic treatment units shall be submitted to DENR for review and approval in accordance with ARSD § 74:53:01:40 *Requirements for unconventional systems*.
4. The wastewater system shall be installed by a certified septic installer in accordance with ARSD § 74:53:02:02 *Certification required*.
5. If this system will be installed to allow any discharge to reach waters of the state, plans and specifications need to be submitted for review and approval and the system must have a Surface Water Discharge permit prior to discharging. For more information on these requirements, please contact Kelli Buscher, P.E. at (605) 773-3351.
6. Please contact local government where each specific system will be installed to determine if they have additional requirements for these systems.

We recommend that this wastewater systems be located within a sanitary district or homeowners association that has control of the maintenance and repair of individual and small on-site wastewater systems, or within a city or county where that governing entity has entered into a written agreement with the landowner, or has ordinances regarding wastewater systems such that they can require maintenance per the manufacture's recommendations.

Please feel free to contact this office if you have any questions.

Sincerely,



Kent R. Woodmansey, P.E.
Natural Resources Engineering Director
(605) 773-3351

cc: Kelli Buscher, DENR – Pierre Office