

May 3, 2011

AL'S CONCRETE PRODUCTS INC.
BRUCE WIESER
800 TOWNHALL RD
LA CRESCENT MN 55947

Re: Description: SEWAGE TANKS, CONCRETE
Manufacturer: AL'S CONCRETE PRODUCTS INC.
Product Name: HOLDING, SEPTIC/SEPTIC, SEPTIC/PUMP, SEPTIC/SIPHON, SEPTIC/SEPTIC/SEPTIC,
SEPTIC/SEPTIC/PUMP, SEPTIC/SEPTIC/SIPHON
Model Number(s): 2250/750 (3000- two or three compartment)

(47 IN. L.L., 32/32 GAL/IN, 96 IN. MAX. BURY DEPTH, 1436 G.P.D. WHEN USED AS A SEPTIC/SEPTIC TANK OR 1078 G.P.D. WHEN USED AS A SEPTIC/PUMP OR SEPTIC/SIPHON TANK BASED ON A 3 YR. SERVICE INTERVAL FOR RESIDENTIAL WASTEWATER; **TANK DIMENSIONS = 168 IN. L X 107 IN. W X 47 IN. H)**

Product File No: 20110130

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of MARCH 2014.**

This approval is contingent upon compliance with the following stipulation(s):

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- When this product has an effluent filter installed in an interior wall, the space between the top of the interior wall and bottom of the tank cover must be sealed with a material that will withstand the environment in the tank and in a manor that will prevent waste from passing over the interior wall.
- When this product receives wastewater from dwellings and is used as a septic tank, it will produce an effluent quality with a maximum monthly average value for BOD5 of greater than 30 mg/L and less than or equal to 220 mg/L TSS, or greater than 30 mg/L or less than or equal to 150 mg/L TSS, and F.O.G. of less than 30 mg/L.
- **Bedding: A minimum of 4 in. sand or gravel bedding overlying a firm and uniform base is recommended, unless otherwise specified. Tanks should not bear on large boulders or massive rock edges. Correct compaction of bedding material is critical to ensure there is no differential settling.**
- **BACKFILL: Sidewall backfill must consist of material 100% of which will pass through a 2-in. screen and be made up of dry soil, sand or gravel. A minimum (average) of 12 inches on all sides of the tank from the base to the top is recommended. No parallel backfilling or compaction along the sidewalls is recommended. No wheel tracking or track loading on the sidewall is recommended. Cover-backfill up top 7-feet of loading must be dry and pass through a 4-inch screen.**

- This product is approved to use the following:
 - A concrete panel slid into a groove in the sidewalls of the first compartment to create a 2 compartment septic tank to aid in the settling out of solids in the effluent.
 - **Provided with 3 manholes-- one each over inlet/outlet and at first or second compartment wall.**
 - Pipe materials constructed in conformance with Table 84.30-2 or 84.30-11, Wis. Admin. Code poured into tank cover or access cover.
 - Four inch discharge opening in riser.
 - Bottom and side pipe openings for siphon, pump and holding tanks.
 - Six inch inlet and outlet openings.
 - Two inch schedule 40 PVC cast in riser for electrical wiring.
 - Press Seal "Cast-A-Seal" and PSX Gasket System by Press Seal Gasket Corp., Polylok II High Pressure Pipe Seal by Polylok, and A-Lok X-Cel by A-Lok Products, Inc..
 - Dual inlets at end of tank with one access opening above both inlets.
 - Dual inlets at end of tank with one access opening above each inlet.
 - Department approved effluent filter designed to be installed in a four inch diameter tee with extension and installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.

This approval supersedes the approval issued on 12/8/2008 under product file number 20080549.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080549.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Jean M. MacCubbin, CST
Engineering Consultant--Plumbing Products Review
Commerce; Safety & Buildings Div.
PO Box 2658
201 W Washington Ave.
Madison WI 53703-2658
Phone: 608-266-0955; Fax: 608-283-7456
E-mail: Jean.MacCubbin@WI.GOV