



MEMO

INFORMATIONAL RELEASE NUMBER S3-08

TO: Local Public Health Agencies and other local Onsite Sewage Agencies
Environmental Public Health Specialist V's

FROM: Daryel Brock, Chief
Bureau of Environmental Regulation and Licensure

SUBJECT: Experimental Protocol for EZflow 1201LPP-GEO and 1001LPP-GEO

DATE: August 11, 2008

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The Department of Health and Senior Services, Onsite Sewage Program has reviewed and accepted an innovative/experimental system protocol for soil absorption systems using low-pressure pipe (LPP) distribution in either of two EZflow products. A copy of the protocol is available from the Onsite Sewage Program. The 1201-GEO and 1001-GEO products are 12 and 10-inch diameter cylinders respectively, which contain expanded polystyrene aggregate, a four-inch diameter perforated flexible plastic pipe, and a geo-textile fabric along the top of the product. In LPP system applications, a network of smaller diameter PVC distribution pipe would be housed in the four-inch diameter plastic pipe. Installation of up to 500 systems with LPP type distribution, over a two-year period, is allowed under this protocol. Following are general guidelines for considering proposed LPP systems using these products.

Where the EZflow products are to be used in an LPP application, the product must be specified in the system design bearing the seal of a Missouri licensed engineer. The engineer's design must comply with accepted design practices and with state and local standards including minimum vertical separation, sizing, layout, and pretreatment requirements. A registered advanced system installer must install EZflow product LPP systems in compliance with state and local requirements. In addition, the installer must follow the manufacturer's recommended installation procedures.

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Under the innovative/experimental protocol, Ring Industrial Group, the manufacturer of the product, will warrant system performance for a period of five years and will provide a copy of the warranty to the local administrative authority. At least 10 of the first 20 systems will be evaluated after a period of 24 months. In addition, evidence of any system malfunction and any potential warranty issues related to systems installed under this protocol must be reported to the Onsite Sewage Program.

DHSS does not endorse any brand or specific product model. However, an LPP system using the EZflow 1201LPP-GEO or 1001LPP-GEO products may be approved by local administrative authorities as part of an onsite wastewater treatment system when the proposed system design as a whole meets the requirements of the state minimum standards, or local standards, which can be more stringent. Approval may be discontinued at any time, if warranted by subsequent field experience with installed systems.