



## Placer County Sewage Disposal Advisory Committee

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FINAL RECOMMENDATION TO ENVIRONMENTAL HEALTH SERVICES DIRECTOR  
JANUARY 8, 2003

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**Product: EZFlow Gravelless Trench System**

Recommendation: The Sewage Disposal Advisory Committee has reviewed the information relating to the product and recommends approval of up to 30 systems to be installed in Placer County as part of the experimental on-site sewage disposal program with the criteria as indicated below.

**Criteria for approval:**

The gravelless system can be used as replacement of gravel filled trenches for standard systems, low pressure dosed systems and sand filter systems.

**Conditions:**

1. Sizing

No reduction on the sizing criteria shall be allowed during the experimental phase.

2. Trench design

a) For three foot wide trenches, the basic configuration approved for use during this experimental phase shall be the 1203H 12inch 3-unit horizontal which consists of one 12 inch diameter cylinder with a 4 inch perforated pipe (in the middle) and one 12 inch diameter aggregate cylinders (with no perforated pipe) on each side of the piped cylinder. The dimensions after laying the three tubes together shall be 12 inches vertical height and 36 inches horizontal width.

b) For two foot wide trenches, the basic configuration approved for use during this experimental phase would consist of one 12 inch diameter cylinder with a 4 inch perforated pipe and one 12 inch diameter aggregate cylinder (with no perforated pipe) beside it. The dimensions after laying the two tubes together shall be 12 inches in vertical height and 24 inches horizontal width.

c) With the exception of the gravel in the trench, all other requirements pertaining to the installation of a standard system shall be in effect.

d) For pressure distribution leachfields, the pressure line shall be placed inside the 4 inch perforated line. A modified flow test would be conducted instead of the regular flow test to test for head pressure of the line. The modified flow test conducted shall utilize a threaded cap with a predrilled orifice in it installed at the end of the 90-degree sweep of the pressure line. The line is then pressurized and the squirt height measured.

e) With the exception of the gravel in the trench and the modified flow test, all other requirements pertaining to the installation of pressure dosed leachfields shall be adhered to.

3. Owner and installer responsibility

All users and installers of the EZFlow gravelless system shall receive a copy of the manufacturer's installation and use instructions and the system must be installed and used in accordance with those instructions.

4. Monitoring and reporting

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These systems shall be monitored for a period of two years. Monitoring shall consist of installation of a monitoring riser at the end of each trench to check for effluent backup. Environmental Health or other personnel as designated by Environmental Health shall conduct monitoring. At the end of the two year period, this committee shall make a determination on the status of this system and if appropriate, the change in status from experimental to alternative.

5. Fees

Pay the County an annual fee (minimum one-hour) and obtain annual review from Environmental Health Services on status of compliance. For non-compliant systems, additional fees may be charged for administration and enforcement.

This committee reserves the right to modify these recommendations as appropriate as familiarity with the product is gathered in order to ensure that the best construction methods are utilized and to protect the health and safety of the public and environment.