

MEMORANDUM

Date: May 10, 2006

From: Mark Mason, P.E.
Idaho Department of Environmental Quality
Wastewater Program

Subject: Generic acceptance for certain granular media gravity, upflow or pressure filters

To whom it may concern:

For mono, dual or mixed media gravity, or pressure filtration systems, fed by oxidized wastewater, influent shall be coagulated, clarified and passed through an undisturbed bed of soils or filter media at a rate not to exceed five (5) gallons per minute per square foot. For traveling bridge automatic backwash filters, influent shall be coagulated, clarified and passed through the undisturbed bed of soils or filter media at a rate not to exceed two (2) gallons per minute per square foot.

The daily arithmetic mean of all daily measurements of turbidity shall not exceed two (2) NTU, and turbidity shall not exceed five (5) NTU at any time.

Coagulation may be waived if all of the following are met: the filter effluent does not exceed two (2) NTU, the filter influent is continuously measured, the filter influent turbidity does not exceed five (5) NTU, and automatically activated chemical addition or diversion facilities are provided in the event filter effluent turbidity exceeds five (5) NTU. Understand, however, that even with this generic acceptance, the system as a whole will still have to pass the plan and spec review by DEQ and meet the rest of the reuse and wastewater rules. Pilot testing may still be required on individual systems.

The above generic acceptance for media filters does not apply to those granular media filters that have some type of continuous backwash, pulsed bed feature, or other such features. It also does not apply to membrane or cloth filters.