STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, ID 83706 • (208) 373-0502

JAMES E. RISCH, Governor
TONI HARDESTY, Director

June 29, 2006

Aqua Aerobic Systems
Hui Lin
P.O. Box 2026
Rockford, IL 61130

Re: Acceptance of Aqua Aerobic Systems PA-13 Nylon Pile Fabric Media Disk Filter Technology

To Whom It May Concern:

For the purposes of complying with the filtration technology approval requirements of our rules, I am hereby accepting this particular technology under the following conditions for this project and similar wastewater projects in Idaho. This is not an endorsement of this technology, nor is it an approval of any other portion of the equipment.

This acceptance is based on a report entitled "Use of PA-13 Pile Fabric, Supplement to: Evaluation of the Aqua-Aerobic Systems Cloth-Media Disk Filter (CMDF) for Wastewater Recycling Applications in California" prepared by UC Davis (February 2002). Idaho DEQ approval is based on utilization of the PA-13 nylon pile fabric as tested in said report.

Further, acceptance of this technology is contingent on the influent to the filter being coagulated; having loading rates not to exceed 6 gal/sq ft^2min; being complimented with a disinfection process that will achieve the limits stated in IDAPA 58.01.17 for Class A effluent; influent turbidity to filter not to exceed 10 NTU more than 5-percent of the time within a 24-hr. period and never exceed 15 NTU; scheduled inspections of cloth condition; ensure adequate sludge wasting; and turbidity performance limited to Section 601.06.b of IDAPA 58.01.17.

Very truly yours,

Original signed by K. Mark Mason, P.E.

K. Mark Mason, P.E.
DEQ Wastewater Program

Copy: Roger Tinkey, P.E., DEQ CDA Regional Office
Tom Moore, P.E., DEQ Lewiston Regional Office
Chas Aris, P.E., DEQ Boise Regional Office
Dave Anderson, DEQ Twin Fall Regional Office
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