

# ADEQ

ARKANSAS  
Department of Environmental Quality

January 20, 2011

Honorable Shannon Womack  
Mayor, City of Melbourne  
P.O. Box 800  
Melbourne, AR 72556

RE: NPDES Permit No. AR0020036, AFIN 33-00026  
Request to Accept Industrial Wastewater

Dear Mayor Womack:

The Department has reviewed your request to accept process wastewater from an industrial sand facility in IZARD County. It is the Department's understanding that the industry would discharge approximately 10,000 gallons per month which would be similar in nature to the wastewater test results submitted with your request.

The Department has no objection to your request. However, it is important to note that Chlorides and Total Dissolved Solids are often parameters of concern in process wastewaters from industrial sand facilities. It is the Department's recommendation that the levels of those parameters be tested prior to accepting any process wastewaters. The drinking water standards are 250 mg/l for Chlorides and 500 mg/l for Total Dissolved Solids. Permit limits would be required if the process wastewater were to cause the levels of Chlorides and Total Dissolved Solids in the City of Melbourne's effluent to exceed the water quality standards.

Also, the levels of biological matter in process wastewater from an industrial sand facility are often low which may cause issues in an activated sludge wastewater treatment plant. The City of Melbourne should determine if the low BOD5 levels in the process wastewater would negatively affect the treatment process.

If you have any questions, please feel free to contact Loretta Reiber, P.E. of the Individual Discharge Permits Section at [reiber@adeq.state.ar.us](mailto:reiber@adeq.state.ar.us) or by phone at (501) 682-0612.

Sincerely,



Mo Shafii  
Assistant Chief  
Water Division

MS:lr