

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

February 3, 2005

TO: Sybil Kolon, Project Manager
Remediation and Redevelopment Division
Jackson District

FROM: Leonard Lipinski, Senior Geologist
Remediation and Redevelopment Division
Jackson District

SUBJECT: Gelman Sciences, Inc., Washtenaw Co.
Work Plan for Downgradient Groundwater Investigations

I reviewed the October 7, 2004 work plan and generally agree with the proposal by PLS. I expect that a minimum of two wells screened at different depths will be needed at each of the proposed locations. Having wells screened at different depths at the same location can provide important information on vertical gradients. This will be especially important near the river.

In reference to the work plan to determine if there is underflow of the river, vertical sampling of the groundwater may not be necessary depending on the sampling results from the downgradient groundwater investigation. The hydrology of the system is what is most important to determine.

It is important that PLS realize that not only is it important to know whether the groundwater is underflowing the river, but also to know where it is discharging to the river. It is possible that when the contamination plume reaches the vicinity of the river it may be overlain by clay or till, preventing discharge. In that case, the groundwater will most likely continue to flow in the general direction of the river until it can discharge to the river. If that is the case, PLS will need to determine the point the contamination plume will discharge to the river.

LL/KJ