MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY

INTEROFFICE COMMUNICATION

April 4, 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 County)
Western System Status Report

In the Western System Status Report, dated January 7, 2005, Pall discusses the most recent drilling and groundwater sampling done to investigate the Western System Plume. Another monitoring well, MW-93 was installed as part of this investigation. Dioxane levels in MW-93 were below the 85 ug/l. Unfortunately, MW-93 is not located at a location most likely to detect higher levels of dioxane contamination.

In early 2003, Pall began purging the Ann Arbor Cleaning Supply Well (ACSW) on an intermittent basis. Within two months of when the purging began, the dioxane level in MW-53i dropped to below 85 ug/l, and has stayed below it. In the meantime, the dioxane concentration in ACSW has varied between 110 and 182 ug/l. The ACSW is about 10 to15 feet south of MW-53i, and is screened at the same elevation. The location of ACSW in relation to MW-53i, and the fact that higher dioxane concentrations are detected in ACSW, indicates to me that higher dioxane concentrations are being drawn to ACSW from a direction other than due north. Unfortunately, MW-93 is almost due north of ACSW and is; therefore, most likely not in a position to detect the higher dioxane concentrations.

In order to better delineate the extent of the dioxane contamination, additional monitoring wells should be drilled at two additional well locations. One drilling location should be about 300 feet west of MW-53 and the second location should be about 500 or 600 feet WNW of MW-53. Depending on the results of the vertical groundwater sampling, more than one well may be needed at each location. As always, depending upon the data obtained from these monitoring wells, additional monitoring wells may be needed in the future.

LL/KJ