

DATE: April 9, 2018 FILE REF: 02-08-000169  
TO: Schmalz Dump Case File  
FROM: Kevin McKnight – RR OSH  
SUBJECT: Summary of October 31, 2017 Groundwater Sampling Event

On October 31, 2017, Kevin McKnight and Dave Neste with the Wisconsin Department of Natural Resources (DNR) conducted a groundwater sampling event at this site. Six (6) monitoring wells are present at this site and groundwater samples were analyzed for Metals utilizing EPA Method 200.7 and Mercury using EPA Method 245.1 by the Wisconsin State Laboratory of Hygiene. One well, MW-4 was damaged and a groundwater sample could not be obtained. The laboratory reports are attached and the data summarized in Table 1.

#### Sample Collection

The monitoring wells were opened and water table elevation and depth to bottom of well were recorded. The wells were purged by bailer until 3 well volumes were removed or the well bailed dry. A 1 liter transfer bottle was filled by bailer, labeled and placed on ice. The samples were filtered with a 0.47 micron filter and acidified with Nitric Acid to a pH of 1 per laboratory instructions. Samples were packaged on ice and mailed overnight delivery for analysis.

#### Monitoring Well Condition

All the site monitoring wells are in poor condition and are in need of repair or replacement if additional sampling is required. Photos of the wells are attached.

#### Results and Recommendations

Historically, MW-4 and MW-5 have been the only wells with exceedences of Wis. Admin. Code ch. NR 140 groundwater standards. The only consistent contaminant has been total chromium above the Wis. Admin. Code ch. NR 140 Enforcement Standard in MW-5 and above the Preventative Action Limit in MW-4 but well below the Enforcement Standard. It is recommended that groundwater monitoring be discontinued and the monitoring wells abandoned due to the lack of Enforcement Standard exceedences beyond the site boundary since monitoring began in 1993.