

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL RESPONSE TEAM
Edison, NJ – Cincinnati, OH – Las Vegas, NV – Research Triangle Park, NC

February 14, 2013

MEMORANDUM

SUBJECT: Supplemental Documents for Biodegradation of Residual Oil in Kalamazoo River from Line 56 Oil Spill.

FROM: Mark D. Sprenger, Ph.D., and Alan M. Humphrey

TO: Ralph Dollhopf

Please find attached four additional documents in support of the Environmental Response Team efforts to evaluate the potential for biodegradation of residual oil in the Kalamazoo River from the Line 56 Oil Spill.

Included in the additional documentation are three final analytical reports relating to the analysis of sediments from the Kalamazoo River. They are: Results of TPH Analysis in Soil using *Draft* SERAS GC/MS SOP#1841, Results of Oil Fingerprint Analysis of Product & Sediment Samples using *Draft* SERAS GC/MS SOP#1803 and Results of TPH Analysis of Day 28 Biodegradation Study using *Draft* SERAS GC/MS SOP#1841.

The fourth document, Oil Spill Response Support, is a review of published literature on the anaerobic degradation of hydrocarbons which may be components of crude and/or refined oil.

We believe the addition of these documents to the existing site documents completes efforts related to the Potential for Biodegradation of Residual Oil within the Kalamazoo River initially produced by the Environmental Response Team.