

Administrative Record for the Linden Road Landfill Remedial Action Plan
MERA #250016 Genesee County

1979, 17 monitoring wells were installed around the perimeter of the property. Water samples show elevated pH, phenols, sulfides, metals, and the presence of some solvents. However, due to questionable construction of the wells and a continual reduction in contaminant levels in the deep wells over 5 sampling events, in 1993, these wells were abandoned.

February 1990, GM submits a Phase I Environmental Assessment that includes details of previous investigations at the landfill. These include a subsurface investigation conducted in 1983 where 46 test pits were dug across the property to determine the nature of the fill. These pits revealed foundry sand, brick, slag, metal strapping, wood blocks, broken glass, sludge's, drums, hydraulic hoses, and concrete. The assessment also outlined the environmental issues that still needed to be addressed.

August 1990, GM submits a Site Investigation Work Plan and an Interim Remedial Measures Evaluation Work Plan.

October 10, 1990, Both Work Plans conditionally approved.

November 26, 1990, Weston (on behalf of GM) addresses October 10, 1990 letter's concerns.

December 13, 1990, Letter from Weston to MDNR, confirming a phone conversation that included changing the parameters for soil and waste samples.

February 15, 1991 & April 19, 1991, June 11, 1991, August 7, 1991, September 17, 1991, and November 20, 1991, progress reports.

March 1992, GM submits Interim Remedial Measures Evaluation/Site Investigation Report.

September 1, 1992, GM submits a Work Plan for Interim Remedial Measures.

April 5, 1993, GM submits the results of the third round of groundwater sampling.

December 22, 1993, GM submits Interim Remedial Measures Removal Action Report.

January 31, 1994, GM submits a monitoring well (old Keck wells) abandonment report.

February 8, 1995, GM submits results of ground water sampling.

May 1995, GM submits a Monitoring Well Installation/Groundwater Monitoring Report.

January 9, 1996, GM submits a Remedial Action Plan (RAP).

April 27, 1996, Interoffice Memo from MDEQ toxicologist Linda Larsen to Eric Van Riper MDEQ-PM, concerning issues with the RAP.

July 1, 1996, Notes from a RAP review meeting in Lansing outlining reasons RAP is not complete or approvable as submitted.

July 19, 1996, Letter from Al Howard (MDEQ) to Bob Metcalf (GM) outlining outstanding issues that have to be dealt with in order for the RAP to be approved.

August 8, 1996, Meeting is held between GM and MDEQ to discuss July letter. Notes taken.

August 16, 1996, GM replies to the comments in July letter.

September 13, 1996, MDEQ responds to GM's August letter.

September 30, 1996, GM responds to MDEQs' September letter with Plan for additional work leading to submittal of an Addendum to the RAP.

October 2, 1996, MDEQ approves work plan.

December 17, 1996, Addendum to RAP is received by MDEQ.

January 16, 1997, Weston (GM) submits the Additional Groundwater Sampling Results and Groundwater Potentiometric Surface Map report.

January 23, 1997, MDEQ acknowledges receipt of the Addendum to the RAP and the Additional Groundwater Sampling Results report, and states it will respond by July 1997.

February 5, 1997, MDEQ FAXes GM a request for additional technical information.

February 21, 1997, Weston (GM) submits a reply to MDEQ's request for additional information.

April 15, 1997, Weston submits Subsurface Soil Sampling Plan Characterization Study for Frontage Development.

April 28, 1997, MDEQ responds to the Frontage Sampling plan with its comments.

July 29, 1997, Weston (GM) submits the Frontage Zone Investigation Report.

September 25, 1997, MDEQ sends GM letter requesting draft legal agreements.

September 29, 1997, GM, Weston, and MDEQ meet to review 95% draft of construction drawings and to discuss remaining issues to approving the RAP.

October 1, 1997, MDEQ supplies GM with model financial assurance mechanism (FAM) Corporate Financial Test document via FAX.

November 13, 1997, MDEQ supplies Flint Township with information regarding GM's plans for the Linden Road Frontage.

November 13, 1997, GM submits draft legal agreements and states that IF a FAM is required it will perform the Corporate Financial Test.

November 20, 1997, MDEQ supplies Flint Township with more information regarding the process of obtaining a Generic Commercial Closure.

November 21, 1997, MDEQ District office forwards draft legal documents to Compliance and Enforcement Section (C&E).

December 26, 1997, MDEQ Interoffice Memo outlining required changes to Notice of Approved Environmental Remediation.

January 6, 1998, Weston (GM) submits Soil Management Plan to MDEQ for soil being brought onto site to construct cap.

January 8, 1998, letter from MDEQ to GM outlining all outstanding issues.

February 5, 1998, MDEQ and GM hold meeting to discuss MDEQ's January 8, 1998 letter. At this meeting GM submits amended design, Remediation Verification Sampling plan for the Linden Road Frontage, A letter from Weston to MDEQ addressing Methane Migration Issues, and specific responses to MDEQ's letter, including submission of a draft legal agreement. Summary of the meeting is in file.

February 10, 1998, Letter from MDEQ to GM approving Sampling Plan Verification of Soil Remediation for the Linden Road Frontage, with conditions.

February 10, 1998, Memo from MDEQ District to C&E forwarding latest drafts of legal documents for review.