

From: Loren Curtis
To: BROWNEE@DEQ-SC.DEQ-SHIAWASSEE,
Date: Mon, Nov 24, 1997 8:26 am
Subject: Linden Road Landfill, Genesee County -Reply -Reply -Forwarded -Reply

I would design the cap to include a gas transmission permeable layer below the landfill cap. An active gas collection header system could then be constructed to remove any gas collected in the permeable transmission layer. For further protection, GM should also consider installing a composite cap system comprised of clay and a synthetic flexible membrane. A composite cap design would reduce the potential for vertical gas migration, through the cap and also reduce leachate production at the site. To detect potential off-site migration problems, GM needs to install an adequate number of gas monitoring probes along the boundary of the landfill. Any residences or buildings constructed or present in the area should have 24 hour methane meters installed. The deed restrictions are also a good thing.

CC: INNESJ@DEQ-SC.DEQ-Shiawassee,