

M E M O

Date: June 3, 2004

To: Nancy Peters, Hopkinton Board of Health
Wayne Davies, Hopkinton Board of Appeals

From: Jesse Schwalbaum, Earth Tech

CC: Dick Jubinville, Earth Tech

Subject: Harvey's Proposed Long Term Monitoring Plan for the Hopkinton Landfill

In a memorandum dated May 18, 2004 I summarized Earth Tech's technical review and recommendations on the long term monitoring plan for the former Hopkinton landfill prepared by Brown & Caldwell in a letter dated May 12, 2004. Since that time, I have spoken with staff from Brown & Caldwell about those comments and recommendations. After some discussions, the staff from Brown & Caldwell essentially agreed to address each of our recommendations in a follow up letter to the Department of Environmental Protection (DEP). My understanding of the modifications that Brown & Caldwell has agreed to is as follows:

- 1) Semi-annual monitoring will be conducted at each of the monitoring wells, rather than semi-annual monitoring at some wells and annual monitoring at others.
- 2) The list of analytical parameters for each of the wells will include cadmium and ammonia.
- 3) Testing will be conducted on the bedrock monitoring wells in order to determine if more prolonged pumping will result in stable and more reproducible pH measurements. If so, any future sampling of these wells will be conducted on a more stringent stabilization criteria than that recommended in the EPA low flow sampling method.
- 4) Field notes that demonstrate proper stabilization of field parameters at each well sampled will be provided to the Board of Health for each subsequent sampling round.
- 5) Wells MW-1S and MW-1B will be added to the list of down gradient wells to be sampled.

If these recommendations are incorporated into the long term monitoring plan for the former Hopkinton, I recommend that the plan be accepted by the Town of Hopkinton. It should be noted that this monitoring plan does not include the proposed monitoring of the Westborough landfills. That long term monitoring plan will not be developed until after four quarterly rounds of sampling. Earth Tech is in the process of reviewing that quarterly monitoring plan.