

**Gude Landfill Remediation
Gude Landfill Concerned Citizens
Monthly Meeting No. 35**

Meeting Agenda

1. Meeting Sign-In Sheet

Please sign-in.

2. GLCC/DEP Meeting Minutes (Meeting No. 34 on 4/10/2014)

- a. DEP to request review and acceptance (see handout).

3. ACM – Submitted to MDE on January 31, 2014: DEP/MDE Meeting Agenda (Meeting on March 3, 2015)

STATUS ITEMS

4. Remediation Project Activity Updates

Assessment of Corrective Measures Meeting

DEP Met with MDE on March 3, 2015 (meeting agenda attached).to receive feedback and comments from MDE on ACM report submitted on January 31, 2014.

a. Metals Discussion

During the meeting, County DEP and MDE discussed the potentials effects of elevated concentrations of suspended solids on metals detection in monitoring wells. DEP concluded based on MDE's advice that if the County switches from the current three well purge sampling method to the low flow sampling method, more accurate results can be obtained.

As the result of this meeting County DEP will start the low flow sampling (filtered and unfiltered) from March 16, 2015 thru March 27, 2015.

After analyzing the results and gathering more data as suggested by MDE, County will revise the current groundwater monitoring plan. DEP needs to negotiate with DEP how long to monitor groundwater with the low flow sampling method before reassessing the presence of metals.

If the low flow sampling method does not sufficiently reduce suspended solids, DEP will consider the re-development of some of these wells.

b. Discussion of Whether Waste is in groundwater with MDE

- MDE will allow borings to assess this. This ties into the potential effectiveness of a synthetic cap.

c. Stormwater Management Plan Updates

- MDE wants updated documentation of stormwater flow off the site to minimize infiltration and leachate generation.

d. Timeframes for Achieving Remedial Action Objectives

e. Monitoring Well Spacing

- Construction at 300-ft spacing would require cuts into the landfill and new roads

f. Statistical Analyses

- MDE would like a better statistical analysis of data trends

g. Greater Laboratory Precision to Meet MDE Practical Quantitation Limits (PQLs)

- DEP's current lab, WSSC, does not always meet PQLs required by MDE.

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- h. Monitored Natural Attenuation Discussion
 - If DEP recommends this for some areas, it needs more justification in the report.
- i. Need for a More Specific Contingency Plan
 - MDE would like DEP to be more specific about the next action if enhanced bioremediation is not as effective as desired.

5. Current Gude Landfill Operations

- a. Standard post-closure care activities.
 - Normal maintenance activities continued throughout the year 2014 at regular intervals.
 - Landfill Gas Management – Since the installation of the two new deep gas extraction wells in May of 2014, the methane gas monitoring wells on the northwest boundary of the Gude Landfill adjacent to the gas line right-of-way and the Derwood Station community have been largely in compliance with Maryland Department of the Environment (MDE) standards for gas control (i.e., less than 5 percent methane by volume in wells at the property line).
 - However, based on last four months methane gas monitoring results, monitoring well 26S exceeded the lower explosive limit (LEL) of 5% by volume of methane gas in every sampling event.
 - Several adjustments to the gas collection system were performed by County Landfill Gas Management Contractor, SCS Engineers. On January 16, 2015, SCS did some improvements to the probe by running a vacuum line down the hill and connecting it directly to probe 26. This measure had some short-term benefits but failed to mitigate this problem.
 - On March 12, 2015, SCS proposed to install a horizontal trench with perforated pipe to be tied back into the gas collection system or two additional wells as options and to reduce the elevated methane gas concentrations in well W- 26. SCS will develop a cost proposal.
 - Pumping of the condensate sumps to dewater the landfill's well field is done on regular basis.
 - In November 2014, an annual stack testing on the power plant was conducted as part of the MDE permit requirement. Test results indicated no violations of the air permit for the Gude Landfill gas-to-energy facility. A copy of the air emissions testing report which was sent directly to MDE by the testing contractor is available with DSWS.
 - In March 2015, annual emissions report and greenhouse gases report will be submitted to respective agencies as per regulatory requirements.

6. Stormwater Management:

- DSWS completed annual stormwater discharge inspection in December 2014 as per the requirement of General Stormwater discharge permit 12-SW. No discharges observed during the inspection.
- Several leachate seeps and ponding areas were fixed throughout the year 2014.
- The crushed Stormwater pipe section due to the sink hole developed behind the large pond at the 600 E. Gude Dr. entrance was repaired and replaced with new pipe sections. The entire that was area disturbed has been graded and seeded. The permanent fence will be placed back to secure the pond on March 16, 2015 weather permitting

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7. Action/Follow-up Items and Next Meeting

- a. Closed Action Items
 - No closed action Items this time.
- b. Open Action Items
 - No open action items at this time
- c. Summarize New Action Items from Meeting
- d. Next Meeting date.
 - Next GLCC Meeting: To be determined in response to community concerns.