

**GUDE LANDFILL REMEDIATION
GLCC/DEP MEETING NO. 43
DATE: MAY 18, 2017
TIME: 7:00 PM to 9:00 PM
LOCATION: MONTGOMERY COUNTY TRANSFER STATION**

ATTENDANCE

Name	Organization	Designation
Bill Broglie	Dept. of Environmental Protection (DEP), DSWS	Acting Division Chief
Rao Malladi	Dept. of Environmental Protection (DEP), DSWS	Senior Engineer
Julia Tillery	Gude Landfill Concerned Citizens (GLCC)	Member
Dave Peterson	Gude Landfill Concerned Citizens (GLCC)	Member
Laszlo Harsanyi	Gude Landfill Concerned Citizens (GLCC)	Member
Nick Radonic	Gude Landfill Concerned Citizens (GLCC)	Member
Steve Lezinski	Barton & Loguidice, D.P.C.	Senior Project Manager

WELCOME AND OPENING REMARKS

- 1) Rao Malladi opened the meeting by welcoming and thanking the participants for attending. He welcomed back Steve Lezinski who has returned to assist the County as a Consultant for the Remediation Project. Bill Broglie, Acting Division Chief, introduced himself. Mr. Broglie reiterated the importance of this project and the relationship with the community. Going forward, Mr. Broglie mentioned that he plans to attend as many meetings as possible.

GLCC/DEP MEETING MINUTES (MEETING NO. 42)

- 2) Mr. Malladi stated that the GLCC accepted the Draft GLCC/DEP Meeting No. 42 Minutes, which have been finalized and posted to the Remediation website.

GLCC/DEP FUTURE MEETINGS

- 3) Mr. Malladi stated that the GLCC/DEP meetings have been agreed upon to occur on the 3rd Thursday of each month at 7:00 PM, unless otherwise notified. The 2017 meeting schedule is as follows:

- June 15, 2017
- July 20, 2017
- August 17, 2017
- September 21, 2017
- October 19, 2017
- November 16, 2017
- December 21, 2017

Meeting Agendas will be sent out to the GLCC one (1) week in advance of the meeting date. One (1) week after the meeting, the Draft Meeting Minutes will be provided to the GLCC and all the other participants for review, comment, and/or acceptance. Finalized Meeting Minutes will be posted on the Remediation website.

STATUS UPDATE ON THE RFP

- 4) Mr. Lezinski provided a general overview of the upcoming Request for Proposal (RFP) process for the Design Engineer for the ACM Corrective Measures. The RFP will be issued through the Northeast Maryland Waste Disposal Authority and will be competitively bid. Therefore, many specific details cannot be discussed at present time.
- Mr. Lezinski mentioned that when the remediation project began, EA Engineering, Science, and Technology, Inc. was hired as a resident engineer for multiple phases of the required work (i.e., Site Survey, Waste Delineation Study, Nature and Extent Study (NES), Assessment of Corrective Measures (ACM), etc.). This Design Engineer contract is following a different procurement process through the Authority. The RFP may involve the following work items:
 - Design of the Toupee Cap and Landfill Collection System Improvements.
 - Installation of additional Groundwater Monitoring Wells.
 - Erosion and Sediment Controls and Stormwater Management Infrastructure.
 - Stakeholder Engagement activities (County agencies, GLCC and other advisory groups).
 - Conceptual Land Use Planning.
 - Coordination with M-NCPPC (Park and Planning).

The Design Engineer (DE) will prepare design documents for the Corrective Measures per the MDE approved ACM and the Consent Order. The DE will also prepare conceptual designs for potential land uses during the design process.

- 5) Questions were raised by Dave Peterson concerning the timeframe to release the RFP and how long it might take for the contract award.
- Mr. Lezinski stated the following concerning the timeline: Once all internal County reviews have been completed and incorporated within the RFP, the timeline for release could be within one to two months. These reviews include check-offs for Finance, planning meetings, and a few other items which must be completed before the RFP can be released for bid. Mr. Lezinski also reviewed a general deliverable schedule for a design contract (30%, 60%, 90% design) and a general duration of 1-2 years for the design contract.
 - Mr. Broglie stated that he should have more detailed information to report on the RFP timeline at the next GLCC/DEP meeting. Mr. Malladi stated that the CIP Budget public hearing was held on April 25th and no public comments were received during the hearing. In response to questions from Laszlo Harsányi on the CIP Budget, Mr. Broglie stated that the CIP Budget for the project would be approved as per the DEP request and most of the CIP Budget breakdown information such as the amounts that will be spent on different stages of remediation project were previously transmitted to GLCC. Bill Broglie also stated that he does not foresee any major hindrances in the CIP budget approval process.
 - Mr. Peterson stated that he and other GLCC members met with Roger Berliner, Chair of the T&E Committee and President of Council, in March 2017. Mr. Peterson also stated that after the meeting, he and other GLCC members got the distinct impression that the funding level for this project was not in any jeopardy.

LANDFILL GAS MONITORING AND LANDFILL GAS-TO-ENERGY SYSTEM

- 6) Mr. Malladi provided a landfill gas monitoring and LFGE update.
- Both landfill gas monitoring probes #18 and #28 have exhibited reoccurring LEL exceedances. These probes are not located in the vicinity of the community. During the installation of W-18, methane concentrations were encountered in the initial borehole. Thus, the probe was offset approximately 15 feet away, closer to the property boundary. Further evaluation of Probe #18 as well as the control of methane exceedances in this area will occur as part of the corrective measures for the site.
 - Probe #28 is located on the south side of the property next to the stormwater pond, and the recently collected gas sample analysis was inconclusive regarding the presence of landfill gas or swamp gas. A second sample was collected and analyzed. The second analysis report indicated the presence of Swamp Gas that included the identification of organic breakdown, not a chemical breakdown within the sample. There have been no gas exceedances for the last four weeks.
 - Annual stacking testing of the Landfill Gas-to-Energy (LFGE) Facility was performed on April 20, 2017, and the County is awaiting the report. Initial data analyses indicated that the LFGE Facility is complying with the Permit-to-Operate for air quality as issued by MDE. The final report will be submitted directly to MDE by the testing firm.
 - Mr. Malladi indicated that the Northeast Maryland Waste Disposal Authority submitted the 2016 Annual Emissions Certification Report and Analysis of Toxic Air Pollutants for the LFGE Facility (Operating Permit 031-02253), as required by COMAR 26.11.01.05-1 and 26.11.02.19D. The report documents were completed using operating data recorded by facility representatives, results of emissions testing performed at the facility, and default emission factor data provided by the United States Environmental Protection Agency (USEPA). The results state that the facility is complying with Maryland's Air Toxic Regulations (COMAR 26.11.15) for the Calendar Year 2016.
 - Mr. Harsanyi asked questions about what happens to the electricity from the LFGE Facility. Mr. Malladi stated that the generated electricity is placed back into the power grid. Mr. Broglie mentioned that the LFGE operations need to be revisited due to the future shutdowns of the system during the cap construction of the remediation project.
 - Nick Radonic asked what will happen to the generated gas due to the LFGE shutdown during the cap construction. Mr. Malladi replied that the landfill gas would be directed to Flares for burning (i.e., destruction). Mr. Malladi mentioned that after the final cap construction, there may be an initial surge of gas within the collection system, but after the first few years of capping, gas production inside the landfill should cease to a minimum. This volume of gas may not be enough for power production. Mr. Malladi also stated that the existing gas collection system and enclosed stack flares have enough capacity to handle the surge of gas and if the need arises, the flare system capacity will be analyzed. Mr. Broglie said that the revenue side of the LFGE project is currently in the Red and may continue to be so as the power purchase prices are very low at this time.

- Ms. Julia Tillery discussed the continued exceedances of groundwater MCLs at the OBO3 groundwater well, which is close to the adjacent neighborhood. She stated that for several years, Well OBO3 has been experiencing exceedances during various seasons. Because these repeated problems occur each year, questions were raised about why these exceedances can't be proactively prepared for and dealt with as soon as there is a problem. Rao Malladi stated that there are no temporary measures to address MCL exceedances in groundwater related issues and the ACM and MDE consent order states that the MCL exceedances need to be mitigated permanently through a remedial action. Bill Broglie asked Rao Malladi to set up an internal meeting to discuss this matter and then DEP can report back to GLCC.

LANDFILL MAINTENANCE AND ACM GROUNDWATER WELL INSTALLATIONS

- 7) Mr. Malladi provided an update on landfill maintenance and the ACM groundwater well installations:
- Regular landfill site maintenance is on-going per regulatory timelines and schedules.
 - A total of 12 new groundwater monitoring wells were installed out of the required 18 wells per the ACM.
 - The semi-annual groundwater sampling was completed in the second week of April 2017.
 - The newly installed groundwater monitoring wells will be sampled in the fourth week of May 2017.

CLOSED ACTION AND FOLLOW-UP ITEMS

- 8) GLCC requested a "refresh" of the concentration gradient chart that EA Engineering had previously generated for groundwater wells of interest. The map was prepared and e-mailed to the GLCC members. Rao Malladi discussed the changes in the concentration of contaminants.

NEW ACTION AND FOLLOW-UP ITEMS

- 9) Mr. Malladi will set up an internal meeting with Don Birnesser and Mr. Broglie to discuss the groundwater exceedances at the Gude Landfill and what can be done to prepare for repeat problem areas (i.e. OBO3).

NEXT MONTHLY MEETING

- 10) Next Meeting date is scheduled for June 15, 2017 at 7:00 PM at the Transfer Station.

The above summation is the writer's interpretation of the items discussed at the meeting. Comments involving differences in understanding of any of the meeting items will be received for a period of thirty (30) days from the date of these meeting minutes. Clarifications will be made, as deemed necessary. If no comments are received within the specified time period, the minutes will remain as written.