Prepared By: EA Engineering, Science, and Technology, Inc.
Final Draft Prepared: 6/10/10

GUDE LANDFILL REMEDIATION

GLCC/DEP MEETING NO. 9

DATE: April 22, 2010
TIME: 7:30 PM to 9:00 PM
LOCATION: Montgomery County Transfer Station

ATTENDANCE:

Name	Organization	Designation
Bob Day	Gude Landfill Concerned Citizens (GLCC)	Member
Dean Dozier	Gude Landfill Concerned Citizens (GLCC)	Member
Keith Ligon	Gude Landfill Concerned Citizens (GLCC)	Member
Dave Peterson	Gude Landfill Concerned Citizens (GLCC)	Member
Nick Radonic	Gude Landfill Concerned Citizens (GLCC)	Member
Peter Karasik	Montgomery County Dept. of Env. Protection (DEP)	Section Chief
Steve Lezinski	Montgomery County Dept. of Env. Protection (DEP)	Engineer III
John Kumm	EA Engineering, Science, and Technology, Inc. (EA)	DEP Consultant

The Meeting Agenda is included as Attachment 1.
Contact information for attendees is included as Attachment 2.

MINUTES:

1) Steve Lezinski of DEP requested approval of the minutes from GLCC/DEP Meeting No. 8 (March 11, 2010). GLCC approved the meeting minutes.

2) Steve Lezinski reviewed upcoming site work to be initiated in May 2010:
   - Leachate seep and stormwater corrective measures will be implemented
   - New landfill gas monitoring wells will be installed
   - New vertical landfill gas extraction wells will be installed between monitoring wells W-05 and W-06, instead of horizontal collection systems, due to ground saturation

3) Steve Lezinski reviewed recent coordination activities between DEP and M-NCPPC:
   - At the April 6th meeting the two parties discussed:
     - Site history, existing conditions and infrastructure
     - Groundwater and landfill gas monitoring well locations
     - Areas where the limit of waste extended beyond the landfill property boundary onto M-NCPPC property – discussions included the option of trading land parcels to provide for long term access and maintenance
   - On April 21st, M-NCPPC toured the site and discussed the same issues with DEP

4) Steve Lezinski discussed the new groundwater monitoring wells:

- GLCC confirmed that all three HOAs had distributed the 2/26/10 DEP Community Letter
- DEP will complete applications for Park Construction Permits during the week of 4/26
- EA prepared all of the well drilling permit applications and provided them to the driller to submit to the County
- DEP is preparing Right-of-Way access documents
- DEP will provide notice to the HOAs and individual residents for construction initiation in Derwood Station

5) Steve Lezinski advised that EA would conduct surface water sampling on 4/28 or 4/29.

6) Steve Lezinski proposed that Action Items 6-02 and 8-02 be closed, and that Action Items 7-01, 7-03, and 8-01 be left open. GLCC agreed with this.

7) Steve Lezinski stated that after the leachate seep investigation is completed by DEP, the revised Study Plan will be posted on the project website.

8) Dean Dozier of GLCC asked about having the project schedule updated and posted on the website. Bob Day of GLCC suggested that including milestones and dates with the meeting minutes might be a more accessible form of the information. DEP agreed with this approach.

9) Keith Ligon of GLCC and Bob Day asked about the criteria DEP would use in selecting the individual homeowners to be notified by letter about the groundwater well drilling. GLCC requested that if a resident could see the well drilling activity from their home, they should be included on the individual notification list. DEP agreed with this.

10) Keith Ligon asked about the most recent (semi-annual) groundwater sampling data. Steve Lezinski stated that the sampling had been recently been conducted, but that the results were not yet available.

11) Bob Day asked about the Remediation project funding. Peter Karasik stated that funds for the Nature and Extent Study, which includes the development of budgetary estimates for implementation of a selected (to be determined) remediation alternative had been approved. Funding for detailed remedial design and construction will require additional approvals. Peter also stated that the Solid Waste reserve fund is approximately $50 million and the cost of the capping alternative is estimated at approximately half of that amount.

12) Bob Day and Keith Ligon asked about the details of the drilling equipment and procedures and expressed concern about access to the drilling sites and impediments to vehicular traffic in the community during the drilling. DEP agreed to revisit the access routes with EA and the driller to ensure that there is a workable approach for each location. DEP also agreed that EA would look into the physical constraints of the drilling operations to determine what special instructions to residents may be appropriate and where to leave drilling equipment overnight.

13) Steve Lezinski stated that the final report on the results of the dioxin/furan testing would be

available at the next DEP/GLCC meeting.

14) The next DEP/GLCC meeting is scheduled for Thursday May 13th.

Action and Follow-up Items

5-01 DEP and EA to research the existence of a comprehensive database for closed landfill reuse options.
Status: Closed. EA provided a list of landfill reuse resources, which was attached to the minutes for Meeting No. 7.

5-02 GLCC to schedule next Derwood Community Meeting; second quarter 2010.
Status: Closed. GLCC noted that the Community will continue to be welcome at the monthly meetings, and these will be included in the DEP letter to the HOAs and the residents. Therefore, GLCC does not plan to schedule another community meeting at this time.

5-03 DEP to contact MDE regarding the spring and northwest slope surface water sampling, and leachate seep repairs on northwest slope.
Status: Closed. DEP and MDE met on December 21, 2009 and discussed these issues. The outcome was summarized in Attachment No. 4 of the Meeting No. 7 minutes.

5-04 DEP to post the recent aerial survey of the Gude Landfill on the remediation project website.
Status: Closed. The image has been posted on the website.

5-05 DEP to evaluate if Biochemical and Chemical Oxygen Demand (BOD/COD) can be included for analysis purposes in surface water samples.
Status: Closed. After further discussion, GLCC agreed that BOD sampling would not be conducted, since it would be difficult to discern whether the results were affected by the landfill. DEP agreed to collect samples for COD analysis. The objectives and plan for COD sampling was and agreed to between DEP and GLCC.

5-06 DEP to reschedule the dioxin/furan testing of the Gude Landfill gas-to-energy engine.
Status: Closed. The testing was conducted in early March 2010 but the results have not yet been reported.

5-07 EA to provide a list of the chemical analytes that were detected in the Gude Landfill groundwater/surface water sampling that are carcinogens.
Status: Closed. EA provided a summary of risk and carcinogenic effects for chemical analytes, which is included as Attachment No. 6 to the Meeting No. 7 minutes.

6-01 DEP and EA to create a list of open agenda items (i.e., action and follow-up items).
Status: Closed. This list is included in the meeting minutes and will be carried into subsequent minutes.

6-02 DEP and EA to finalize more precise locations of the new monitoring wells. Follow-up work with permitting agencies, utility locators, and adjoining property owners will be conducted.
Status: Closed. Additional location information finalized.

6-03 GLCC/DEP/EA to finalize an approach to communicate all aspects of the expanded monitoring well program to the Derwood Community.
Status: Closed. Initial letter to be sent to the HOAs, with follow-up letters to residents in the immediate area of proposed intrusive activities.

7-01 DEP to complete interim measures for leachate redirection at seep locations.
Status: Open.

7-02 DEP to finalize and send letter to HOAs regarding the landfill remediation project and proposed groundwater monitoring well locations within the Community.
Status: Closed. DEP prepared the Community notification letter dated 2-26-10 for distribution to the residents via the HOA presidents.

7-03 DEP to obtain dioxin/furan test results for flare and engine.
Status: Open. Results expected by mid-May.

8-01 EA will provide DEP with a full version of the Draft Study Plan as a PDF for posting on the website and an abbreviated PDF version for distribution to GLCC members.
Status: Open.

8-02 GLCC will distribute the DEP Community Letter in a special edition of each of the three HOA newsletters, both by e-mail and standard mail, by the end of March.
Status: Closed.

New Action and Follow-up Items

9-01 DEP and EA will provide a list of milestones and dates to include as a schedule update with minutes from each meeting.
Status: Open.

9-02 DEP and EA will identify special instructions for residents and the driller to be used during the actual well drilling for inclusion in the individual resident notification letters.
Status: Open.

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.

Remaining Project Milestones After May 1, 2010

Monitoring well drilling permits issued by Montgomery County: 2 to 3 weeks

Mobilize well drilling contractor: within 2 weeks of permit issuance (start at end of May)

Install wells: 3 to 4 weeks after mobilization (start in early June)

Develop wells: 1 week after well installation (early July)

Waiting period: 2 weeks after well development (mid-July)

Sampling: 1 week after waiting period (late July)

Analytical results available: 2 weeks after sampling (mid-August)

Draft Nature and Extent Study Report: September

Final Nature and Extent Study Report: October

ATTACHMENT 1

Gude Landfill Remediation
Gude Landfill Concerned Citizens
Monthly Meeting No. 9

Meeting Agenda

1. **Review and Approval of GLCC/DEP Meeting Minutes (Meeting No. 8)**

2. **Up-coming Site Work**
   a. Leachate seep/stormwater corrective measures (May 2010)
   b. Landfill gas monitoring well installations (May 2010)
   c. Landfill gas vertical extraction well installations between gas monitoring wells 5 and 6 (May 2010); instead of horizontal collection piping due to ground saturation

3. **M-NCPPC Coordination**
   a. DEP and M-NCPPC held a meeting on April 6 (presentation)
      - Site History and Existing Conditions/Infrastructure
      - Groundwater & Landfill Gas Monitoring Well locations
      - Off-site waste management options
        - Property Exchange for long term property access and maintenance
   b. DEP and M-NCPPC held a site tour at the Landfill on April 21
      - Existing Conditions/Infrastructure
      - M-NCPPC Impacted Lands
      - Field review of Property Parcels for Exchange

4. **Groundwater Monitoring Wells**
   a. Did all three (3) HOAs distribute the DEP Community Letter (2-26-10)?
   b. DEP preparing Park Construction Permit (submit next week)
   c. EA preparing permit documents for County DPS (nearly complete)
   d. DEP preparing Right-of-Way access documents
   e. DEP to provide notice to HOA and individual residents for construction initiation

5. **Surface Water Monitoring (COD Sampling)**
   a. To occur 4-28 or 4-29

6. **Next Meeting/Action Items**
   a. To Close
      - 6-02
      - 8-02
   b. Remain Open
      - 7-01
      - 7-03
      - 8-01

ATTACHMENT 2

Date	April 21, 2010	Meeting No. 9
Time	7:30 -9:00 PM	
Meeting	Gude Landfill Remediation: GLCC/DEP	

Name	Affiliation	Phone	Email	Address
Stephen T. Lezinski	Mont. Co. DEP	240-777-6590	—	—
Peter R. Karasik	Mont. Co. DEP	240-777-6569		
DAVE PETERSON	GLCC	301-921-6357		
Dean Dozier	GLCC	301 978 9781		
KEITH LIGON	GLCC	301 340 3358		
Nick Rodere	"			
BOB DAY	GLCC	301-294-3272 ~~[illegible]~~		
John Kumma	EA Eng	410-329-5441		