

GUDE LANDFILL REMEDIATION

GLCC/DEP MEETING NO. 11

DATE: August 12, 2010
TIME: 7:30 PM to 9:00 PM
LOCATION: Montgomery County Transfer Station

ATTENDANCE:

<u>Name</u>	<u>Organization</u>	<u>Designation</u>
Bob Day	Gude Landfill Concerned Citizens (GLCC)	Member
Dean Dozier	Gude Landfill Concerned Citizens (GLCC)	Member
Laszlo Harsanyi	Gude Landfill Concerned Citizens (GLCC)	Member
Dave Peterson	Gude Landfill Concerned Citizens (GLCC)	Member
Julia Tillery	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

The Meeting Agenda is included as Attachment 1.

Contact information for attendees is included as Attachment 2.

Other Attachments are referenced within the text.

MINUTES:

- 1) Steve Lezinski of DEP transferred several documents to Dean Dozier of GLCC, which included: Semi-Annual Groundwater and Surface Water Sampling Report dated 6/22/10 by DEP; Draft Groundwater Monitoring Well Construction Diagrams (by EA); and Draft Groundwater Monitoring Well Boring Logs (by EA). The County will post the Sampling Report on the Remediation Webpage. Dean mentioned that he would be taking a leave of absence from the GLCC due to work requirements. The County offered to include Dean via conference call if requested.
- 2) Steve Lezinski requested approval of the minutes from GLCC/DEP Meeting No. 10 (June 10, 2010). GLCC approved the meeting minutes.
- 3) Steve Lezinski provided an update on the Nature and Extent Study schedule. The Study Plan that delineates EA's methods and site specific activities was finalized in early August 2010 and will be posted on the Remediation Webpage. The Groundwater and Surface Water sampling data should be received by EA by the end of August 2010. Results to be discussed at GLCC/DEP Meeting No. 12 in September 2010. EA's Nature and Extent Study schedule is provided as Attachment No. 3.

- 4) Steve Lezinski updated GLCC on the Final Dioxin/Furan Impacts Analysis to be provided by EA. Steve stated the impacts analysis concluded that there is no danger to public health regarding the emissions from the flare and gas-to-energy engine. Julia Tillery of GLCC corrected the County – that there is no “known” danger to public health since EPA does not regulate dioxin/furan emissions from these landfill gas control sources. The Final Report will be provided by EA by the next GLCC/DEP Meeting No. 12 and posted to the Remediation Webpage.

County and EA clarification added to Meeting Minutes to fully respond to Julia Tillery:

More specifically, the impacts analysis concluded that emissions of dioxins/furans from the flare and gas-to-energy engine at the Gude Landfill will not adversely affect public human health, as required under the regulations. Emissions of hazardous air pollutants (HAPs) from landfill gas combustion sources such as flares and stationary engines are regulated under the federal Clean Air Act through equipment performance criteria, which is technology based control (40 CFR Part 60 Subpart WWW). Dioxins/furans are classified as HAPs and under the federal landfill regulations (Subpart WWW) are included in the category of non-methane organic compounds (NMOC). NMOC emissions from landfill gas combustion must be controlled to at least 98 percent destruction. Flares and internal combustion engines both meet this requirement.

The dioxins/furans impacts analysis was conducted in accordance with the requirements of the Maryland Toxic Air Pollutant (TAP) Regulations (COMAR 26.11.15 & 16), a health risk-based regulation. The analysis compared modeled impacts (ambient concentrations) based on dioxin/furan emissions testing data, with health risk-based screening levels (derived from EPA unit risk factors) specified under the TAP Regulations.

- 5) Steve Lezinski opened the forum to GLCC regarding Land Reuse. Bob Day of GLCC led the discussion and provided a handout entitled “Gude Landfill Future Use,” which is included as Attachment 4.
- Bob Day’s future use summary included low-impact land uses, which ranged from: walking trails to community garden plots to recreational areas that support pets, children, flying model airplanes and picnics. The potential need for water service throughout the redeveloped area was expressed by Bob Day. The summary was to be reviewed by the three (3) Derwood Station Home Owner Associations (HOAs) by October 2010.
 - Dave Peterson of GLCC stated that through internet research, each of the proposed low impact land uses have been implemented on other landfill sites through the country.
 - Bob Day mentioned that the master plan for the land in the Shady Grove metro area consists of high density residential developments. Currently, there is no recreational area to support this type of population, which would be beneficial to all local Communities.
 - Steve Lezinski initiated a discussion on the details of the potential construction activities that would ensue if DEP was required to install a synthetic capping system. Such activities would include, but are not limited to: tree clearing, waste excavation and relocation, mass site grading, heavy equipment operation, and reconfiguration of the landfill gas and stormwater systems, etc. Some localized nuisances may include odor, dust and noise.
 - Peter Karasik of DEP noted that the proposed land uses by GLCC are potentially feasible and could provide benefit to any Community. Peter also stated that there are other County

Departments (including DEP) and associated agencies that are stake holders in the land reuse, aside from the Community.

- Peter Karasik initiated a discussion on a potential solicitation that may be developed by DEP to obtain ideas and/or strategies on land use of the Gude Landfill. The solicitation is a Request for Expression of Interest (REOI) that would engage private entities, but would include input from County and Community stake holders. Peter noted that the City of Annapolis had also engaged in this type of solicitation for a potential Energy Park.
 - Several members of GLCC immediately took offense to this type of solicitation. Bob Day stated that he would be worried about other entities taking control of all respective land use decisions through political agendas. GLCC as a whole supported this view point. GLCC referenced similar agendas by other County Departments under the Bus Depot project.
 - GLCC requested Bob Hoyt, Director of DEP to attend the next GLCC/DEP monthly meeting to discuss the REOI and the process for settling on the future uses of the site. This request was reiterated several times.
 - Steve Lezinski stated the remediation project would be driven by the requirements of the Maryland Department of the Environment (MDE). Remediation would be then coupled with potential land uses between stake holders. Peter Karasik reiterated that there are numerous stake holders for the Land Reuse project at the landfill site, which includes DEP (for the potential Yard Trim Project). The end result may be a collection of land uses that co-exist together.
- 6) Steve Lezinski proposed that Action Items 8-01 and 9-02 be closed. GLCC also completed Action Item 10-2, which will be closed. GLCC agreed with this action.
- 7) The next DEP/GLCC meeting is scheduled for Wednesday, September 15, 2010.

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 letters 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: Closed. Completed May/June 2010.
- 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: Closed. Results provided to GLCC June 2010.
- 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: Closed. Received by County on August 6, 2010. County to post on remediation webpage.

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.

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: Closed.

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: Closed. Completed June 2010.

10-1 EA will prepare a Maryland Toxic Air Pollutant regulation compliance demonstration for dioxin/furan emissions from the flares and engines at Oaks and Gude.

Status: Open.

10-2 GLCC will meet independently on June 20, 2010 to discuss the process of early integration of end use objectives into the corrective action planning process and will propose a pathway and procedure to DEP at the July 8, 2010 DEP/GLCC meeting.

Status: Closed. During Meeting No. 11, GLCC provided the County guidance on preferred end uses from the Community for the Gude Landfill site.

New Action and Follow-up Items

11-1 GLCC requested Bob Hoyt, Director of DEP to attend the next GLCC/DEP monthly meeting on September 15, 2010 to discuss the Request for Expression of Interest (REOI).

Status: Open.

11-2 GLCC inquired if the County had investigated the potential for a Brownfields Grant for the Remediation/Land Reuse project. The County has not to date.

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. 11**

Meeting Agenda

1. Transfer of Documents to Dean Dozier

- a. Gude Landfill Semi-Annual Groundwater and Surface Water Sampling Report dated June 22, 2010
- b. Draft Groundwater Monitoring Well Construction Diagrams
- c. Draft Groundwater Monitoring Well Boring Logs
- d. To be reviewed and discussed at GLCC/DEP Meeting No. 12 (September 2010)

2. Review and Approval of GLCC/DEP Meeting Minutes (Meeting No. 10)

3. Nature and Extent Study Schedule

- a. The Study Plan that delineates EA's methods and site specific activities is finalized
- b. Groundwater and Surface water sampling data will be received by EA by end of August 2010
- c. To be reviewed and discussed at GLCC/DEP Meeting No. 12 (September 2010)

4. Dioxin/Furan Testing

- a. EA to provide final compliance demonstration report at GLCC/DEP Meeting No. 12 (September 2010). Report concludes there is no danger to public health

5. Land Reuse Discussion (add items)

- a. Reuse -
- b. Reuse -
- c. Reuse -
- d. Reuse -
- e. Reuse -
- f. Other Interested Entities -

6. Next Meeting/Action Items

- a. To Close
 - 8-01 – Received on 8/6 (Final Study Plan) - County will post on the webpage
 - 9-02 – Completed June 2010

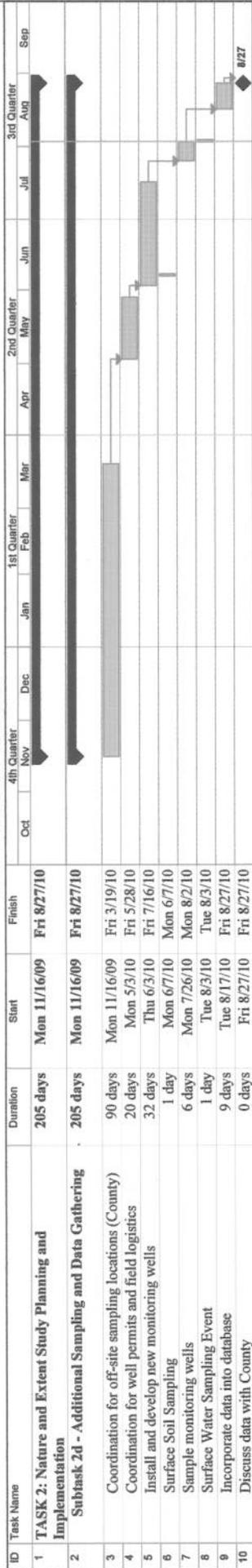
ATTACHMENT 2



ATTACHMENT 3



Figure 5-1
 Guide Landfill Nature and Extent Study
 Phase 1 - Nature and Extent Study Schedule



Project: Guide 1-Schedule
 Date: Tue 8/3/10

Task Split

Progress Milestone

Summary Project Summary

External Tasks External MileTask

Split

ATTACHMENT 4



Gude Landfill Future Use

General

The hill should be terraced with retaining walls and landscaped appropriately. Walking paths off the hill should provide access to hikers and neighbors. The major public entrance should be a gate on Gude Drive. Roads should have an easily renewable surface that can be graded/compacted. Parking areas should be located near activity centers. To compensate for the lack of shade, pavilions and water features should be emphasized in the design.

Running/walking trails

A cinder path of two closed loops – ¼ mile and ½ mile – should have a common start area. The smaller loop should be generally flat, and the larger should include hills. A spur should exit the hill and connect to the Rock Creek Hiker Biker Trail. Start area should have a pavilion and drinking fountain for people and dogs. The shorter loop should include fitness stations along its course.

Cross country bike course

A dirt path of hills and turns and bumps that is approximately half mile long should be a closed loop course. Start area should have a bike rack, water fountain and pavilion.

Community garden plots

An 8-foot fence around an area should have extra depth in topsoil, walkways of shredded mulch, and water spigots. We suggest that 25'x25' plots be requested and assigned via a DSWS web portal.

Dog Park

A 4-foot fence around a grassy area should include a shallow pool that has a gentle water spray/fountain.

Children's play area

The ground should be covered with rubberized mulch. Kid's play equipment should be inside an open pavilion for shade. Adjacent to the pavilion should be a tiled patio area for kids that includes an integrated water spray/fountain (e.g. Rockville Town Center).

Model plane flying area

A 4-foot fence around an area should contain a pavilion for equipment, two 100-ft crossed cinder runways and a windsock on a pole.

Skate park

This should be a street course with a variety of ramps for skateboarding, in-line skating and freestyle biking. Bleacher seats to allow for visitor viewing and a pavilion for shade should be provided.

Picnic area

Open pavilions with picnic tables should be scattered through the area with groups near activity areas. All pavilions should have electrical power outlets and spigots.