

GUDE LANDFILL REMEDIATION

GLCC/DEP MEETING NO. 30

DATE: June 20, 2013
TIME: 7:30 PM to 9:00 PM
LOCATION: Montgomery County Transfer Station

ATTENDANCE:

<u>Name</u>	<u>Organization</u>	<u>Designation</u>
Laszlo Harsanyi	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
Charlie Regan	Gude Landfill Concerned Citizens (GLCC)	Member
Julia Tillery	Gude Landfill Concerned Citizens (GLCC)	Member
George Wolohojian	Gude Landfill Concerned Citizens (GLCC)	Member
Steve Lezinski	Montgomery County Dept. of Env. Protection (DEP)	Senior Engineer
Jamie Foster	Montgomery County Dept. of Env. Protection (DEP)	Engineer I
Mark Gutberlet	EA Engineering, Science, and Technology, Inc.	DEP Consultant

The Meeting Agenda is included as Attachment 1.
Contact information for attendees is included as Attachment 2.
Chronology of Closed Action and Follow-up Items is included as Attachment 3.
Other Attachments are referenced within the text.

MINUTES:

- 1) Steve Lezinski of DEP requested approval of the minutes from GLCC/DEP Meeting No. 29. GLCC approved the minutes.
- 2) Steve Lezinski provided an update on remediation-related site activities:
 - The land exchange with M-NCPPC is still proceeding and the County Office of Real Estate is assembling a final information package to initiate the County's new Land Disposition Process that requires County Council approval. An existing conditions site visit with M-NCPPC and County staff is scheduled for June 25, 2013.
 - The final Consent Order was executed by MDE on May 29, 2013. Steve Lezinski provided a PDF copy of the Consent Order to GLCC via e-mail on June 4, 2013.
 - Keith Ligon of GLCC stated GLCC was pleased with the language that referred to continued community involvement.
 - Dave Peterson of GLCC asked about who would fill the role of qualified groundwater scientist. Steve Lezinski stated that it could be EA representatives, other consultants or DEP staff.

- Dave P. asked about the submittal of a Work Plan and Schedule to MDE that is referenced in the Consent Order. Steve L. stated that to the best of the County's knowledge, the Work Plan and Schedule for the ACM was previously submitted to MDE. The County will verify if a separate submittal is required under the Consent Order.
 - Keith L. asked about the ACM schedule – what is next critical deadline? Steve L. stated that the August 1, 2013 submission date of the ACM Report was the next critical deadline.
 - Dave P. asked why language included that responsible parties include “future purchasers” of property. Steve L. stated that this language was included by MDE to cover potential future scenarios if the County were to sell the Gude Landfill property. Currently, DSWS is not aware of any plans by the County to sell the property.
 - Dave P. asked why on page 3 of the consent order it referred to contaminants “potentially resulting from the landfill”? Steve L. stated that heavily industrial areas along Southlawn Lane could be a potential source of contamination.
 - Laszlo Harsanyi of GLCC asked who are the stakeholders in the remediation/reuse project. Steve L. stated it includes County agencies, such as the County Council, County Executive County Office of Management and Budget (OMB), DEP, etc. M-NCPPC and GLCC/community are other stakeholders.
- Assessment of Corrective Measures (current status):
 - Steve Lezinski stated that the County provided comments to EA on Sections 1-8 of the ACM Report on June 7, 2013.
 - Steve stated that the County will propose a phased approach to the remediation. In a very conceptual sense, a phased approach may include:
 - A pilot program in a portion of the Landfill may be performed to evaluate effects of waste excavation and/or enhanced bioremediation.
 - The pilot program will help gauge potential nuisances of the remediation process, such as noise, dust and odors resulting from waste excavation activities and provide lessons learned to optimize the remedial approach for a full-scale implementation, if pursued.
 - Waste could be relocated onsite, if acceptable to MDE, or taken to the Shady Grove Transfer Station.
 - Keith Ligon asked how the buffer zone left by waste excavation might be used in the future and the impact on the community of the appearance of the landfill. The community is interested in the width of the buffer, because more community benefit could be gained through walking paths and vegetative screening with a wider buffer.
 - George Wolohojian of GLCC asked if GLCC members could be present in an area near the potential pilot excavation program to assess the potential nuisances to the community during excavation activities. This can be discussed further with DEP staff as the project progresses.

- Laszlo Harsanyi asked where excavation would occur. Steve L. described that excavation would begin at the top of the slope and move to the bottom of the slope to maintain slope stability.
 - Nick Radonic of GLCC asked who would perform the remediation work. Steve L. stated the work would likely be performed by a contractor hired by the County.
 - Keith L. stated that it would be ideal to plan for a community meeting before a pilot study is started to describe the pilot study plan and what to expect. The County concurred.
 - Assessment of Corrective Measures (next steps):
 - EA to provide a revised draft of the ACM Report to the County by the end of June 2013.
 - The County will provide the revised draft ACM Report to GLCC for review.
 - The County will submit the ACM Report to MDE by August 1, 2013.
 - GLCC will review revised draft ACM Report when provided in early July and provide preliminary, verbal comments at July 11 meeting and more formal comments to MDE during MDE review after August 1, 2013 submission.
 - Keith L. commented that the community acceptance portion of the ACM Report should discuss potential duration of remediation activities and number of trucks on the roads in addition to dust, noise, odor, etc.
- 3) Julia Tillery of GLCC asked if the County has a responsibility to homeowners for contamination of their property. Keith Ligon asked if the County has a responsibility to homeowners for any reduction in property values during remediation activities and what are the disclosure obligations of the property owner regarding contamination. Steve L. will send these questions to the Office of the County Attorney for responses.
- 4) DEP's Gude Landfill Remediation Website updates continue. Major updates were performed on June 12-13, 2013. Monitoring plans, reports, remediation work plans, consultant proposals, MDE approvals, etc. have been added.
- 5) Steve Lezinski stated that DEP and EA previously provided responses to GLCC questions from May 2013 (Attachment 4) regarding remediation activities. Dave Peterson stated that DEP's responses were comprehensive. If other GLCC members have comments or questions, they will be provided in a future meeting. In regards to DEP's responses to Items 15 and 16, Keith Ligon stated that GLCC would like DEP to set up a GLCC/DEP meeting to discuss the technical feasibility of reuse options and a timetable to address the impacts of remediation activities on the community.
- 6) Steve Lezinski stated that DEP prepared a handout describing other Maryland Landfill ACMs (Attachment 5). GLCC will review the handout.

- 7) Steve Lezinski stated that groundwater and surface water monitoring was performed by DEP in March and early April 2013. DEP submitted the semi-annual report to MDE on June 13, 2013. Steve L. stated the Landfill Gas Management System is currently in compliance and has been in compliance for the majority of May-June 2013.
- 8) Steve Lezinski stated that DEP provided homeowner contact information (Attachment 6) to GLCC for homes where DEP will install new methane gas detectors in Derwood Station South homes along the natural gas pipeline Right-of-Way along the western boundary of Gude Landfill. DEP also provided the schedule to perform the installations.
- 9) GLCC and DEP tentatively agreed to hold the next GLCC/DEP meeting on July 11, 2013.

Recently Closed Action and Follow-up Items

- 29-2 GLCC will contact homeowners who received a letter from the County offering a new methane gas detector to make sure the homeowners saw the letter. DEP will provide the list of homeowners who received the letter to GLCC.
Status: Closed. DEP provided the list of homeowners and GLCC contacted homeowners via e-mail on June 4, 2013.
- 29-3 DEP will provide a PDF copy of the Consent Order for the Landfill to GLCC via e-mail.
Status: Closed. DEP provided a PDF copy of the consent order to GLCC via e-mail on June 4, 2013.

Open Action and Follow-up Items

- 29-1 Based on discussions during GLCC/DEP Meeting No. 29, GLCC requested an update and consolidation of the outstanding Action and Follow-up Items (16-2, 17-1 and 18-1) regarding land reuse at the Landfill and the future stakeholder meeting.

During future GLCC and DEP monthly meetings, discussions will be held to plan and schedule the land reuse and stakeholder meeting. The meeting shall include discussions regarding the County's decision making process for site reuse at the Landfill, potential County land reuse options and the integration and consideration of the community's preferred reuse options. Attendees at this meeting will include senior County representatives (such as the County Executive), County stakeholder agencies (such as DEP, DGS or OMB), other potential stakeholders (such as M-NCPPC) and GLCC/ the community. A general summary of DEP and GLCC responsibilities for the land reuse and stakeholder meeting are provided below:

- GLCC to provide DEP a general timeframe for holding the meeting. In GLCC/DEP Meeting No. 30, GLCC expressed that a timeframe of September 2013 would be acceptable for the meeting.
- DEP to coordinate with County representatives and stakeholders, provide facility accommodations and prepare the meeting agenda with input from GLCC/the community.

- County representatives will discuss the County's decision making process for site reuse at the Landfill and any potential County land reuse options known at this time. GLCC/the community and other stakeholders will have the opportunity to comment on the potential decision making process for site reuse at the Landfill.
- GLCC/the community and the other stakeholders will formally present their preferred land reuse options to County and other stakeholders. County representatives will have the opportunity to comment on the preferred land reuse options presented by GLCC/the community and other stakeholders.
- After the meeting, County representatives will prepare draft meeting minutes or a decision memo to summarize the discussions including the decision making process for site reuse at the Landfill. GLCC/the community and other stakeholders will have the opportunity to comment on the draft meeting minutes or decision memo. Once all comments are received, County representatives will finalize the meeting minutes or decision memo and distribute to meeting attendees.
- For future GLCC/DEP monthly meetings, County representatives will present any potential land reuse options that are being considered and the aspects of their feasibility and implementation.
- Regarding DEP's responses to GLCC's questions from May 2013, GLCC would like DEP to set up a GLCC/DEP meeting to discuss the technical feasibility of reuse options and a timetable to address the impacts of remediation activities on the community.
- The description for this Action and Follow-up Item was accepted by Keith Ligon and George Wolohojian via email on 7/6/13.

New Action and Follow-up Items

- 30-1 DEP to provide GLCC a revised draft of the ACM (with Chapters 1-8) that incorporated the consolidated comments from EA and the County.
Status: Open.
- 30-2 GLCC asked DEP to obtain responses from the Office of the County Attorney regarding the County's responsibility and/or liability to the adjacent property owners of the Gude Landfill. DEP will place the information request and obtain responses.
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.

**Gude Landfill Remediation
Gude Landfill Concerned Citizens
Monthly Meeting No. 30**

Meeting Agenda

1. Meeting Sign-In Sheet

- a. Please sign-in.

2. GLCC/DEP Meeting Minutes (Meeting No. 29 on 5/9/13)

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

3. Remediation Project Activity Updates

- a. Land Exchange with M-NCPPC.

- County Office of Real Estate is assembling the final information package to initiate the County's new Land Disposition Process.
- Existing conditions site visit with M-NCPPC staff scheduled for 6/25/13.

- b. Consent Order.

- The final Consent Order was executed by MDE on 5/29/13.
- GLCC was provided a copy via email on 6/4/13.

- c. Assessment of Corrective Measures (Current Status).

- County provided EA comments on Sections 1-8 on 6/7/13.
- County to propose a phased approach.
 - ❖ Potentially starting with a Pilot Study in the Southwest Remediation Area; prior to engaging in site activities on the North and West Landfill boundaries near the community.
 - ❖ Learn and gauge all aspects of waste excavation including potential impacts regarding noise, dust, truck traffic, stormwater, waste excavation/segregation/transport, etc.
 - ❖ Learn and gauge effectiveness of enhanced bioremediation over the monitoring period.

- d. Assessment of Corrective Measures (Next Steps).

- County provided EA comments on Sections 1-8 on 6/7/13.
- EA to provide a revised draft by the end of June 2013.
- County will provide the revised draft to GLCC for review/comment upon receipt.
- ***Submission date to MDE, 8/1/13.***

- e. Landfill Remediation Webpage – major updates occurred on 6/12 and 6/13/13. Monitoring Plans, Reports, Remediation Work Plans, Consultant Proposals, MDE Approvals, etc. have been added.

**Gude Landfill Remediation
Gude Landfill Concerned Citizens
Monthly Meeting No. 30**

Meeting Agenda

4. Review GLCC to DEP Questions

- a. DEP received GLCC's questions regarding remediation and reuse via email on 5/5/13 (see handout).
- b. DEP and EA provided responses to GLCC's questions on 5/9/13 at Meeting No. 29.

5. Current Landfill ACMs and Remedial Measures in Maryland

- a. Summary of current ACM and Remedial Measures being implemented in Maryland (see handout).

6. Current Gude Landfill Operations

- a. Standard post-closure care activities.
 - Groundwater and Surface Water Monitoring – the Spring 2013 semi-annual Report was submitted to MDE on 6/13/13. Sampling result align with historical data.
 - Landfill Gas Management – the landfill gas monitoring wells along the N.W. property boundary have been in compliance for the majority of May-June 2013. All gas monitoring wells are currently in compliance.

7. Methane Gas Detectors in Derwood Station South Homes along the Right-of-Way

- a. DEP provided homeowner contact information for notice letters and installations on 6/4/13 (see handout).
- b. DEP provided the installation schedule for 6/25/13 (see handout).

8. Action/Follow-up Items and Next Meeting

- a. Closed Action Items
 - 29-2. Provide homeowner information regarding methane gas detector notice letters and installations.
 - 29-3. Provide a PDF copy of the final executed Consent Order.
- b. Open Action Items
 - 29-1. Land reuse/stakeholder meeting action item (complete) and its schedule.
 - Potential Dates: June 28 – July 14.
 - Potential Times: Between 8:30 AM and 6:00 PM.
- c. Summarize New Action Items from Meeting
- d. Next Meeting date.
 - Tentatively July 11, 2013 (Meeting No. 31).

Date	June 20, 2013	Meeting No. 30
Time	7:30 -9:00 PM	
Meeting	Gude Landfill Remediation: GLCC/DEP	

Name	Initial if Present	Affiliation	Phone	Email	Address
Stephen Lezinski	SLR	DEP	240-777-6590	Steve.lezinski@montgomerycountymd.gov	16101 Frederick Road Derwood, MD 20855
Peter Karasik		DEP	240-777-6569	Peter.karasik@montgomerycountymd.gov	16101 Frederick Road Derwood, MD 20855
Jamie Foster	JCF	DEP	240-777-6564	jamie.foster@montgomerycountymd.gov	16102 Frederick Road Derwood, MD 20855
Mark Gutberlet	M/G	EA Eng.	410-329-5135	mgutberlet@eest.com	15 Loveton Circle Sparks, MD 21152
Dave Peterson	DP	GLCC/DS1 HOA	301-921-6357	Kmpdhp@hotmail.com	7612 Anamosa Way Derwood, MD 20855
Keith Ligon	K/L	GLCC	301-340-3358	KLligonfamily@verizon.net	15501 Moravia Court Derwood, MD 20855
Julia Tillery	J/T	GLCC	202-329-8740	Julia@tilleryoffice.com	15461 Indianola Drive Derwood, MD 20855
Laszlo Harsanyi	L/H	GLCC/DS2 HOA	301-840-3822	laszloh@comcast.net	7228 Ttronka Way Derwood, MD 20855
Nick Radonic	N/R	GLCC/DSS HOA	301-294-9124	Bjlr.Rad@gmail.com	15408 Indianola Drive Derwood, MD 20855
George Wolohojian	G/W	GLCC/DSS HOA	301-738-7148	gwolohojian@aol.com	15448 Indianola Drive Derwood, MD 20855
Charles Regan	C/R	GLCC/DSS HOA	202-510-1363	cgregan520@gmail.com	15532 Grinnell Terrace Derwood, MD 20855
Other Meeting Attendees					

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

- 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.

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

- 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: Closed. DEP will post on the Remediation webpage.
- 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.

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

- 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: Closed.
- 11-2 GLCC inquired if the County had investigated the potential for a Brownfields Grant for the Remediation/Land Reuse project.
Status: Closed. Grant funding options were presented to GLCC on 4/14/11.
- 12-1 Using the risk evaluation methodology, EA will back calculate contaminant concentrations that would represent a human risk concern for vapor intrusion from groundwater into indoor air.
Status: Closed. The calculation was made by EA and included in the analysis and provided to GLCC.
- 13-1 EA will revise the last two sentences in paragraph 5) of the minutes for Meeting No. 12 to clarify the concept.
Status: Closed. Changes are reflected in Meeting No. 12 Minutes.
- 13-2 EA will prepare and submit to DEP for review a summary of the project status including background, status, and the remaining activities to complete the project. The HOA Presidents will distribute this summary to Derwood Station residents.
Status: Closed. The Nature and Extent Study Fact Sheet was e-mailed to GLCC/HOA Presidents by Steve Lezinski on 12/23/10 for distribution to the Derwood Station Residential Community.
- 13-3 EA will research the applicability of 40 CFR Part 258 Subpart E and report back to DEP and GLCC.
Status: Closed. A response was provided via e-mail by Steve Lezinski to GLCC on 11/3/10 – the regulation is not applicable to Gude Landfill.
- 14-1 DEP will address conformance of the current monitoring program to the 2001 County Groundwater Protection Plan.
Status: Closed. It was determined that the Ground Water Protection Strategy is not an active program within DEP.
- 14-2 DEP will contact the County Attorney and the County Real Estate Office concerning potential property value impacts and seller's obligations.
Status: Closed. The Office of the County Attorney cannot provide legal advice to members of the Community. If members of the Community desire advice on property value impacts and seller's obligations, they would have to obtain this legal advice from their own legal counsel.
- 15-1 DEP and EA will establish a list of key project milestones for inclusion in the Project Communications Plan.
Status: Closed. As part of the Project Communications Plan, an updated project

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

schedule and key project milestones were presented to GLCC on 4/14/11.

- 15-2 DEP and EA will determine the current regulation for setbacks at new landfills and report this information to GLCC.
Status: Closed. Applicable setback requirements were determined and presented to GLCC on 4/14/11.
- 15-3 DEP will submit the proposed action plan for further investigation and analysis to satisfy MDE's concerns about the Nature and Extent Study to MDE by March 18, 2011.
Status: Closed. The work plan of Amendment No. 1 to the Nature and Extent Study was submitted to and accepted by MDE in March 2011.
- 16-1 DEP and EA will evaluate the potential corrective measure of excavation and relocation of waste in greater detail, and present this to GLCC at a future monthly meeting.
Status: Closed. DEP and EA presented the potential corrective measure of waste excavation and reclamation during the GLCC/DEP Meeting No. 17.
- 16-2 DEP and EA will further evaluate end use options and present these to GLCC in a future monthly meeting.
Status: Closed. This action item was combined with other action items into new item 29-1.
- 17-1 DEP will contact senior County representatives and stakeholders regarding their attendance at a future GLCC/DEP monthly meeting to discuss the County's decision making process for Landfill site reuse, potential County site reuse options and the integration and consideration of the Community's reuse options.
Status: Closed. This action item was combined with other action items into new item 29-1.
- 17-2 DEP will add a timeline/milestone review section to future meeting agendas.
Status: Closed. DEP added this item as a standard topic for future agendas.
- 17-3 DEP will create a quarterly newsletter to orient the larger Community and other adjacent property stakeholders on the Landfill. The newsletter will contain an update on the Nature and Extent Study activities that have occurred in the past three months. The newsletter will be provided to GLCC to include in an upcoming HOA newsletter.
Status: Closed. DEP provided the Quarterly Newsletter to GLCC and the Derwood Station HOA's on June 30, 2011.
- 18-1 Once the Landfill land reuse discussion is documented and agreed upon in a decision memo with the County Executive and/or other stakeholders, DEP will share the final findings of the agreed upon process with GLCC.
Status: Closed. This action item was combined with other action items into new item 29-1.

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

- 20-1 DEP and EA will provide a map that combines analytes with MCL exceedences and their individual inferred extent of contamination. DEP stated this could be accomplished after MDE approval of the NES Amendment No.1 Report.
Status: Closed. DEP and EA presented the information at GLCC/DEP Meeting No. 21.
- 20-2 DEP and EA will prepare a written explanation of the chemical degradation of TCE and PCE.
Status: Closed. DEP and EA presented the information at GLCC/DEP Meeting No. 21.
- 20-3 DEP will prepare a Fact Sheet for the NES Amendment No. 1 after MDE approval of the Report.
Status: Closed. DEP provided the draft fact sheet for review and will prepare the final version by the end of May. DEP provided the fact sheet to GLCC via email on May 31, 2012 for inclusion in the June 2012 Derwood Community Newsletter.
- 20-4 DEP will prepare a Fact Sheet to summarize the ACM process after MDE approval of the NES Amendment No.1 Report.
Status: Closed. DEP provided the draft fact sheet for review and will prepare the final version by the end of May. DEP provided the fact sheet to GLCC via email on May 31, 2012 for inclusion in the June 2012 Derwood Community Newsletter.
- 20-5 DEP to coordinate with GLCC to organize a larger community meeting to present the accepted findings of the NES and introduce the ACM process. This will be initiated after MDE approval of the NES Amendment No.1 Report. GLCC/DEP will review dates for the larger community meeting. DEP will confirm dates with appropriate staff and consultants. GLCC/DEP will develop the agenda for the larger community meeting. GLCC suggested the following major topics: 1) review of the overall purpose and process for the project, 2) a status update on recent activities, 3) explain the next steps, and 4) discuss landfill re-use options. GLCC will secure meeting space. Potential meeting date for September 11th, 12th, 13th, or 18th will be confirmed. Meeting on September 18 at Candlewood Elementary School has been tentatively decided. The date or location could be changed based on Montgomery County Public School calendar and Candlewood Elementary School availability.
Status: Closed. Community meeting has been scheduled and the draft presentation was reviewed with GLCC.
- 22-1 DEP to provide electronic copy of fact sheets via e-mail so GLCC can comment in those documents.
Status: Closed. DEP e-mailed Microsoft Word versions of the fact sheets to GLCC via email prior to finalization on May 31, 2012.
- 22-2 DEP to develop workshops starting with the next GLCC meeting (MNA and bioremediation topics suggested). Part 1 of the workshop was presented at GLCC/DEP Meeting No. 23. Part 2 of the workshop was presented at GLCC/DEP Meeting No. 24.
Status: Closed. Workshops were presented.

Chronology of Closed Action and Follow-up Items
as of
GLCC/DEP Meeting No. 30

- 25-1 DEP will revise the community presentation based on the feedback and discussion at GLCC/DEP Meeting No. 25.
Status: Closed. Presentation was revised and presented at the Community Meeting on September 18, 2012.
- 25-2 DEP will prepare the public notice for the community meeting and send it to GLCC for distribution to the community.
Status: Closed. The public notice was provided before the Community Meeting.
- 25-3 GLCC will distribute the public notice provided by DEP via e-mail and door-to-door through existing HOA communication networks.
Status: Closed. The public notice was distributed before the Community Meeting.
- 25-4 DEP will prepare and provide two signs announcing the community meeting to be placed along the streets at the two entrances to Derwood Station.
Status: Closed. The signs were provided and posted before the Community Meeting.
- 26-1 DEP will provide a briefing on the draft of Section 4 of the ACM Report at the December 2012 GLCC/DEP Meeting.
Status: Closed. A briefing was provided at the December 2012 meeting.
- 26-2 DEP will post the overall remediation schedule on the Gude Landfill Remediation Website.
Status: Closed. The anticipated schedule is posted on the Remediation webpage.
- 26-3 DEP will post the M-NCPPC pamphlet of the Gude-Southlawn Recreational Area dated 1973 on the Gude Landfill Remediation Website.
Status: Closed. The pamphlet is posted on the Remediation webpage.
- 27-1 GLCC will review the draft Table 4-2 from the ACM and provide any comments or ask questions about the initial analysis summarized in the table.
Status: Closed. Table 4-2 was discussed at GLCC/DEP Meeting No. 28.
- 29-2 GLCC will contact homeowners who received a letter from the County offering a new methane gas detector to make sure the homeowners saw the letter. DEP will provide the list of homeowners who received the letter to GLCC.
Status: Closed. DEP provided the list of homeowners and GLCC contacted homeowners via e-mail on June 4, 2013.
- 29-3 DEP will provide a PDF copy of the Consent Order for the Landfill to GLCC via e-mail.
Status: Closed. DEP provided a PDF copy of the consent order to GLCC via e-mail on June 4, 2013.

Gude Landfill Remediation GLCC to DEP Questions regarding Remediation and Land Reuse

DEP Responses to GLCC Questions

The Montgomery County (County) Department of Environmental Protection (DEP) received a list of questions regarding the remediation of and future land reuse at the Gude Landfill on May 5, 2013 from the Gude Landfill Concerned Citizens (GLCC). The questions were submitted via email by Keith Ligon of GLCC and on the behalf of the Derwood Station Residential Community to Steve Lezinski, Senior Engineer of DEP. The questions were grouped into the following four (4) categories: process; corrective measure options; reuse determination; and the impact of the implementation of the corrective measures on the community.

Provided below are GLCC's questions, which are numbered sequentially, and DEP's responses. DEP's responses were prepared in conjunction with EA Engineering (EA), DEP's technical support consultant for the Assessment of Corrective Measures (ACM) evaluation and report.

Process

1. GLCC access to the full ACM; before the August 1 submission to MDE.

County Response: The ACM Report is currently in draft format. GLCC will have access to review and comment on the complete draft of the ACM Report prior to submission to MDE. Also, following submission of the final ACM Report to MDE, DEP will post the document to the Gude Landfill Remediation webpage.

<http://www6.montgomerycountymd.gov/swstmpl.asp?url=/content/dep/solidwaste/facilities/gude/index.asp>

2. GLCC access to the Consent Order.

County Response: The Consent Order is currently being executed (i.e. under signature) by County and MDE representatives. Following execution of the final Consent Order, DEP will post an electronic copy of the document to the Gude Landfill Remediation webpage.

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3. Timetable for discussions with the GLCC and other stakeholders commence regarding the ACM during the May – August time period.

County Response: *In GLCC/DEP Meeting No. 28, GLCC requested a meeting to discuss land reuse options regarding the Gude Landfill with County stakeholders including the County Executive in July 2013. This timing reflected a meeting one (1) month following the original submission date of the final ACM Report to MDE on June 1, 2013.*

In accordance with MDE's approval received on April 24, 2013, DEP revised the submission date of the final ACM Report to August 1, 2013. Considering the revised submission date, DEP respectfully defers back to GLCC regarding the timing of the stakeholders' meeting.

DEP will assist GLCC with scheduling the stakeholders' meeting during May 2013 – August 2013.

4. Outreach/community communication schedule and plan.

County Response: *For the immediate future, GLCC/DEP Meetings will continue on a monthly basis from May 2013 – August 2013 during the preparation and review phases of the draft ACM Report. Following the submission of the final ACM Report to MDE on August 1, 2013, DEP will tentatively schedule a larger community meeting to present the findings and recommendations of the ACM Report in September 2013 – October 2013. For the period of MDE's review of the final ACM Report, GLCC/DEP Meetings will be reviewed each month for the presentation of new content and information, and scheduled accordingly upon mutual agreement by GLCC and DEP.*

Under the Consent Order currently being executed, within sixty (60) calendar days of the approval of the final ACM Report by MDE, DEP is required to hold a Public Informational Meeting to discuss the findings of the investigation and to discuss the approved remedial actions (i.e. corrective measure implementation) for the Gude Landfill.

DEP is open to accommodate other meeting frequencies and topics regarding the Gude Landfill upon request by GLCC or the community.

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Corrective Measure Options

5. To confirm our understanding: The options are not mutually exclusive, and it is possible that a combination of corrective measures will be employed. The “retained” options are not final, pending discussions within the County Executive and other stakeholders.

County/EA Response: Correct. The remedial technologies that were retained from the initial screening process as described in Section 4 of the ACM Report will be grouped into remedial alternatives. The remedial alternatives will be further evaluated in the detailed and comparative analyses in Sections 5 and 6 of the ACM Report. A draft ACM Report with Sections 1 through 8, including the Consultant’s preliminary recommendation will be reviewed by DEP with the County Executive and other County stakeholders and provided to GLCC for review and comment prior to submitting to MDE.

6. County’s opinion regarding the effectiveness of the remediation options to eliminate the risk of contaminants flowing into the Rock Creek system.

County/EA Response: The remedial technologies were evaluated during the initial screening process as described in Section 4 of the ACM Report, which included the technology’s effectiveness at meeting the Remedial Action Objectives (RAOs). The remedial technologies that would be effective at achieving the RAOs were retained from the initial screening process. These remedial technologies will be grouped into remedial alternatives, which will be further evaluated in the detailed and comparative analyses in Sections 5 and 6 of the ACM Report.

The RAOs are protective of Rock Creek by requiring the prevention and/or elimination of non-stormwater surface water discharges that originate from the Gude Landfill. In addition, the RAOs require that the concentrations of contaminants that originate from the Gude Landfill, shall meet drinking water quality standards at the Landfill property boundary. Furthermore, the risk evaluation performed as part of the Nature and Extent Study (NES) indicated there are currently no risk concerns in Rock Creek related to Gude Landfill. Once the preferred remedial alternative is recommended by DEP and approved by MDE, its implementation and the associated monitoring activities will gauge its effectiveness during the proposed monitoring period.

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7. Is not a “full cap” that uses a synthetic barrier the industry “state of the art” remediation alternative to minimize the movement of contaminants into the groundwater?

County/EA Response: The installation of a geosynthetic capping system for a landfill is standard practice for modern landfills that have a geosynthetic base liner system (under the waste), which serves as a barrier to separate groundwater and the waste mass. This standard practice is also a regulatory requirement for modern landfills permitted under the Subtitle D requirements of the Resource Conservation and Recovery Act (RCRA).

A primary purpose of a capping or cover system is to prevent the infiltration of precipitation that would have the potential to generate leachate within the landfill. Landfill capping utilizing a geosynthetic capping system or an engineered soil cover system has been previously required by MDE for older (pre-RCRA era) un-lined landfills in Maryland. However, capping has not always proven to be effective at reducing groundwater contamination originating from the waste mass of a landfill. This can be the case if the subsurface waste mass of a landfill is in contact with groundwater, without a base liner.

Based on historical records and the typical waste placement practices implemented during the time of operation (1964-1982) of the Gude Landfill, it is likely that the waste mass is currently in contact with groundwater.

Capping of the Landfill with geosynthetic liner or engineered soil systems will not limit the mobility of contaminants into the groundwater from waste that is in contact with the groundwater. Capping with geosynthetic liner or engineered soil systems may reduce the downward mobility of contaminants into the groundwater from waste that is above the groundwater table, but it is not likely that the reduction will be significant enough to meet the RAOs.

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8. How does a partial cap operate to more effectively contain the landfill gas emissions, as a preferred alternative to a full cap?

County/EA Response: A primary purpose of a geosynthetic capping system or an engineered soil cover system is to minimize the infiltration of precipitation that would have the potential to generate leachate within the landfill. Other purposes of such systems are to improve landfill gas control and collection as well as prevent and/or eliminate non-stormwater discharges.

Partial or full capping will limit fugitive landfill gas emissions on the ground surface of the Gude Landfill. Capping will not directly affect the lateral movement of landfill gas outward from the waste mass into the soil surrounding the Landfill or the groundwater that is in contact with the waste mass or located beneath the waste. Partial and full capping may indirectly reduce the lateral movement of landfill gas into the soil and groundwater in proximity to the waste mass of the Landfill by increasing the collection efficiency of the existing landfill gas extraction system.

9. Similarly, how does a partial cap operate to more effectively contain the discharge of leachates from the landfill, as a preferred alternative to a full cap?

County/EA Response: Non-stormwater discharges (i.e. leachate seeps) typically occur on the side slopes of landfills, where leachate is potentially perched on a low-permeability soil layer (e.g. soil with a high content of clay) within the landfill. In this case, the leachate would follow a lateral preferential flow path toward the landfill side slopes rather than downward through the waste mass. Therefore, a partial geosynthetic capping system or an engineered soil cover system that is placed on the side slopes of a landfill would be very effective at controlling non-stormwater discharges. Partial or full capping would eliminate human and ecological contact with leachate seeps.

Please note that each remedial technology was evaluated for its individual effectiveness at achieving all of the RAOs related to groundwater, landfill gas and non-stormwater discharges in Section 4 of the ACM Report. Also refer to the questions and responses under Item Nos. 6, 7 and 10 for additional information.

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10. Wasn't the landfill poorly capped to begin with? And, if so, how does a partial re-capping address the overall inadequacy of the existing landfill cap?

County/EA Response: The Gude Landfill was closed in 1982. The vegetative soil cover system that was installed at the Landfill was constructed in accordance with the standard landfill closure practices at that time. The Landfill closure was also performed in accordance with the MDE requirements as provided under the Emergency Health Order that is attached to and referenced within the Consent Order.

The existing landfill cover system serves the purpose of separating the waste from humans and animals that may traverse are on the Landfill. Although this cover system is not an impermeable layer like a geosynthetic liner, it does serve to: divert stormwater runoff from the Landfill surface, reduce fugitive emissions of landfill gas through the Landfill surface, and helps to prevent and limit non-stormwater discharges (e.g. leachate seeps) on the Landfill surface.

Partial geosynthetic liner capping on the side slopes of the Landfill will be more effective at controlling leachate seeps than the current cap and will reduce infiltration of precipitation into the Landfill. A partial cap can also be installed and isolated to problematic areas of the Landfill.

Please note that if waste excavation (one of the remedial technologies) is implemented at the Landfill site, the side slopes will be regraded during the construction process. The regrading work (i.e. cover system improvements) will allow for: 1) the placement of a greater depth of soil on side slopes to further prevent and limit the potential for non-stormwater discharges and 2) the contouring of the side slopes to provide a greater downward slope and additional stormwater infrastructure to collect and divert stormwater runoff from the Landfill surface while reducing the potential for infiltration into the waste mass.

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11. Is the long-term environmental impact on the Rock Creek system not considered as an element of the ACM?

County/EA Response: The RAOs are protective of Rock Creek by requiring the prevention and/or elimination of non-stormwater surface water discharges that originate from the Gude Landfill. In addition, the RAOs require that the concentrations of contaminants in the groundwater, shall meet drinking water quality standards at the Landfill property boundary. Therefore, the long-term environmental impact on Rock Creek is considered in the RAOs. Also refer to the question and response included under Item No. 6.

12. What areas of the landfill are subject to the partial capping and/or waste relocation?

County/EA Response: The areas of the Landfill that are preliminarily subject to partial capping may include the northwest and west slopes. This is due to occurrence of historical non-stormwater discharges (i.e. leachate seeps) along the side slopes of the Landfill and the Landfill property boundary, which is the compliance point.

The areas of the Landfill that are preliminarily subject to waste relocation may include the northwest, west, southwest and south. This is due to the proximity of waste placement along the edge of the Landfill property boundary, which is the compliance point for groundwater, landfill gas and non-stormwater discharges.

Section 5 of the ACM Report will provide additional details regarding the potential areas of the Landfill site that may be subject to partial capping and waste relocation. Additionally, graphical Figures will be provided in the ACM Report to present such locations on a site plan of the Landfill.

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13. Does the ACM consider it necessary to block the movement of contaminants into the Derwood Station neighborhood in order to meet State mandated objectives?

County/EA Response: The MDE mandated RAOs for the ACM address the off-site migration of contaminants from the Gude Landfill beyond the property boundary.

The RAOs for the Landfill are protective of the Derwood Station Residential Community by requiring the concentrations of contaminants in groundwater, shall meet drinking water quality standards at the Landfill property boundary. The RAOs also require that landfill gas not exceed the Lower Explosive Limit (LEL) of 5 percent by volume for methane at the Landfill property boundary. Furthermore, the RAOs require the prevention and/or elimination of non-stormwater surface water discharges that originate from the Gude Landfill. In addition, the risk evaluation performed as part of the Nature and Extent Study for Gude Landfill indicated there are no risks to the Derwood Station residents based on the current exposure pathways.

Once the preferred remedial alternative is recommended by DEP and approved by MDE, its implementation and the associated monitoring activities will gauge its effectiveness during the proposed monitoring period at the Landfill.

Following implementation, for the remedial alternative to be considered effective, a decreasing trend of contaminant concentrations from existing levels must be achieved at the Landfill property boundary. More specifically, the decrease of contaminant concentrations must continue to below regulatory compliance limits. The hope is that following remediation and during future monitoring, contaminant concentrations in groundwater decrease below the drinking water quality standards and that those concentrations continue to decrease toward non-detect levels.

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Reuse Determination

14. Set a timetable to address the reuse of the landfill, in light of the retained corrective measures.

County Response: As discussed in previous GLCC/DEP Meetings and more recently in an email dated April 16, 2013 from Steve Lezinski of DEP to Keith Ligon of GLCC, the land reuse timeline may be impacted by the implementation and monitoring processes associated with the preferred and approved remedial alternative resulting from the ACM Report. Thus, setting a defined timeline may be difficult at this point in time. This is further explained below.

The preferred remedial alternative from DEP will be provided to MDE in the form of a recommendation along with the ACM Report on August 1, 2013. MDE will thoroughly review all aspects of the recommendation and the ACM Report, which may take six (6) to twelve (12) months. If comments are received from MDE, DEP will be required to address the comments, which may take an additional six (6) to twelve (12) months. This is a similar review process and response timeline to the NES and NES Amendment No.1.

Once MDE approves the ACM Report and DEP's recommendation, the remedial alternative, must be designed, permitted, bid and implemented (i.e. constructed) by the County in conjunction with MDE approvals in phases over multi-year periods at the Landfill. Following implementation, DEP must monitor the Landfill site and the required parameters of the remedial alternative to gauge its effectiveness over a proposed monitoring period. During the future monitoring period, it is possible that additional remedial measures and construction activities may be required at the Landfill to modify the existing remedial alternative's approach to meet the RAOs. The potential need to perform additional construction activities at the Landfill during the monitoring period may impact the land reuse timeline for certain types of land use.

During and at the conclusion of the monitoring period, data will be provided to MDE for their review of the effectiveness of the remedial alternative. MDE will affirm if the remedial alternative was effective and potentially affirm that alternative land uses for the Landfill site can be considered.

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15. GLCC would appreciate a technical discussion from the County's experts that would provide information regarding whether reuse is possible, the timing of any potential reuse, the viability of the reuse options presented by GLCC, the ability to employ passive vs. non-passive reuses of the landfill.

County Response: DEP understands GLCC needs under this information request. DEP suggests that this topic be discussed during a dedicated GLCC/DEP meeting. DEP will develop handouts and a presentation for the meeting as necessary to convey and document this information to GLCC and the community.

Impact of the Implementation of the Corrective Measures on the Community

16. Set a timetable to address the impact on the community of implementing retained corrective measures, minimizing negative impacts on the community and addressing the disamenity impact of the remediation process.

County Response: DEP understands GLCC needs under this information request. DEP suggests that this topic be discussed during a dedicated GLCC/DEP meeting. DEP will develop handouts and a presentation for the meeting as necessary to convey and document this information to GLCC and the community.

**Notes on the Experiences of Other Counties with
Assessment of Corrective Measures (ACM) and Landfill Remedial Measures**

General Comment

- Of the landfills listed below, each has higher overall contaminant concentration levels with respect to groundwater than the Gude Landfill.

Summary by County

- Carroll County – John Owings Landfill
 - Site Location: at the edge of a proposed drinking water reservoir boundary. The County does not have plans to construct the reservoir at this time, but it is still in their long term master plan.
 - Primary Site Issue: groundwater contamination.
 - MDE required the County to prepare an ACM. MES was lead author and EA assisted in some technical areas.
 - MDE provided comments on the ACM. MDE was extremely critical of a proposal to use Monitored Natural Attenuation (MNA) as the sole approach to achieve the remedial objectives. Nevertheless, MDE did later approve an MNA approach with institutional controls and a contingency plan to require re-evaluation and additional remedial measures if certain downward trends in constituent contamination were not observed in the data. MDE's Attorney General's office reportedly later criticized the MDE Solid Waste Operations Division for approving MNA.

- Baltimore County – Hernwood Landfill
 - Series of three (3) Consent Orders: 1987, late 1990s and 2005.
 - Site Location: near homes and streams and adjacent to park land.
 - Primary Site Issues: surface water, groundwater, landfill gas and sediment control.
 - Remediation has been in progress for over 10 years. Technically not an ACM (prior to MDE's ACM process).
 - Consent Order in 2005, Cap site and perform a site characterization study (similar to a combined Nature and Extent Study and ACM).
 - Northern portion of site not previously capped, but full geosynthetic capping system was installed in 2007.
 - Southern portion of site previously had a cap on the top with bentonite, but full geosynthetic capping system was installed in 2008.
 - MDE required what was ultimately called a Supplemental Environmental Evaluation (SEE) – not a RCRA term.
 - The SEE was completed in 2008. County submitted remedial plan in 2009 to correct groundwater contamination. Basically jumped from the SEE (e.g, NES) to a Remediation Plan, without a formal ACM-type assessment.
 - MDE directed the County to remediate the site for groundwater, gas migration and non-stormwater discharges regarding leachate seeps.
 - Remediation approach was approved by MDE, and County has started some field work including implementing bioremediation for groundwater, a pilot program for a vertical trench to bedrock with passive vents and small solar blowers for venting for landfill gas, and a sump/trench collection system for leachate seeps to the leachate treatment system.
 - Bioremediation – initial site work included installation of 3/12 injection wells with injection of bromide to map subsurface geologic features and connections.

**Notes on the Experiences of Other Counties with
Assessment of Corrective Measures (ACM) and Landfill Remedial Measures**

- Anne Arundel County – Millersville Landfill
 - Initial ACM was submitted in 2011 proposing MNA.
 - Site Location: multiple landfill facility, near homes, BGE right-of-way, forest area and streams.
 - Primary Site Issue: groundwater contamination.
 - Over the years, MDE has requested several evaluations and assessments regarding the groundwater contamination. Most recently, MDE's Solid Waste Program required an ACM. MDE is still reviewing the second ACM submittal.

- St. Mary's County – St. Andrew's Landfill
 - First ACM in Maryland requested by MDE's Solid Waste Program.
 - Process started several years ago (more than 3-4 years).
 - MES was lead author and EA assisted in some technical areas.
 - The proposed corrective measure is an expansion of their active landfill gas system (including adding wells outside of the waste footprint) to further reduce the impact of landfill gas on groundwater contamination (VOCs at this site are believed to be derived from gas). They have data that show a noticeable reduction in groundwater contamination since their active gas collection system began operation. The proposed corrective measure also includes phytoremediation to address lead in shallow groundwater in one focused area.
 - ACM is still under review by MDE.

Prepared By

- EA Engineering – Mark Gutberlet and Laura Oaks.
- DEP – Stephen Lezinski and Peter Karasik.

References

- Carroll County – Chuck Ingram 410-729-8648 of MES, formerly Chief of solid Waste for Carroll County.
- Baltimore County – Kari Hodgson (Engineer) 410-887-4370 and Stephen Lippy 410-296-9150.
- Anne Arundel County – Chandra Chithaluru 410-222-6108.
- St. Mary's County – Information from Jason Baer of MES, tel:410-729-8200; contact at St. Mary's County is George Erichsen, Director, Dept. of Public Works, tel: 301-863-8400, ext. 3510.

Derwood Station South
Residents that Received an Original Methane Gas Detector and a Notice Letter for a Replacement/New Detector

2005-2008

List for Original Methane Gas Detector Installations							
Address (Derwood, MD 20855)	Name	Tel:	Type of Detector	Date Installed	Comments	Maint Check	Replaced
15405 Indianola Dr.	Jerry & Chris Pinson	301-762-9318	CH4/CO	7/7/2005	office 301-827-2999, Wife Joanne Yu, Work 301-594-8654 ofc.703-813-8634		6/11/2008
15404 Indianola Dr.	Farid Savedhi	301-367-5603	CH4	8/3/2005			
15409 Indianola Dr.	Scott Chamberlain	301-315-2657	CH4/CO	8/3/2005			
7201 Dubuque Ct.	Guodong Fang, MD	301-762-2155	CH4/CO	7/7/2005			
7200 Dubuque Ct.	Ms. Elias	301-762-0373	CH4/CO	7/7/2005			
7212 Dubuque Ct.	Dr. Attan Kasid	301-340-0002	CH4/CO	8/3/2005			
15505 Grinnell Terrace	Dan Markley	301-424-5431	CH4/CO	7/7/2005			
15509 Grinnell Terrace	David Dunn	301-340-2990	CH4/CO	7/7/2005			
15517 Grinnell Terrace	Ms. Chohayeb	301-762-7262	CH4	7/6/2005			
15525 Grinnell Terrace	Ann Marie Falk	301-309-2997	CH4/CO	7/6/2005			
15533 Grinnell Terrace	John & Patricia Ramsey	301-762-0103	CH4/CO	8/3/2005			
15537 Grinnell Terrace	John Lehan	301-340-6371	CH4/CO	8/3/2005			

List for Notice Letters for a Replacement/New Methane Gas Detector Installation (in addition to the names and addresses listed above)

2012-2013

Address (Derwood, MD 20855)
15400 Indianola Drive
15401 Indianola Drive
15408 Indianola Drive
7204 Grinnell Drive
7208 Grinnell Drive
7216 Grinnell Drive
7220 Grinnell Drive
15513 Grinnel Terrace
15521 Grinnel Terrace
15529 Grinnel Terrace

Derwood Station South
Residents that Contacted DEP for a Replacement/New Methane Gas Detector

2013

ID	Home Address	Contact Name	Contact Number	Email Address	Installation Location	Installation Time
1	15400 Indianola Drive	Bruce and Pamela Gorsuch	(H) 301-424-1433 (C) 301-717-7907	pam.bruce.gorsuch@verizon.net	Basement	Morning
2	15401 Indianola Drive	Qamar Hasan	301-768-0943	qamar_hasan@yahoo.com	Basement	Monday or Tuesday
3	15404 Indianola Drive	Farid Sadeghi	301-367-5603	faridsadeghi@cs.com	Basement-Replacement	Early Morning /Afternoon
4	15408 Indianola Drive	Nick Radonic	301-294-9124	big.rad@gmail.com	Near Furnace	Evening/Lunch Time
ID	Home Address	Contact Name	Contact Number	Email Address	Installation Location	Installation Time
5	7201 Dubuque Court	Joanne Yu and Guodong Fang	301-762-2155	gdfang8m@gmail.com	Basement-Replacement	Tuesday or Friday
6	7212 Dubuque Court	Attan Kasid	301-996-9300	attank@msn.com	Basement	Tuesday or Thursday
ID	Home Address	Contact Name	Contact Number	Email Address	Installation Location	Installation Time
7	15505 Grinnell Terrace	Dan Markley	301-424-5431	markdc@comcast.net	Basement-Replacement	Weekday PM
8	15509 Grinnell Terrace	David Dunn	301-340-2990	alldunn@comcast.net	Basement	After 11 am
9	15521 Grinnell Terrace	Betsy Fein	301-309-1481	betsy@clutterbuster.com	N/A	During the day
10	7208 Grinnell Drive	John Spouge	301-217-9527	johnspouge@gmail.com	Kitchen	Morning

Installation Date: **6/25/2013**

Appointment Time	Home Address	Contact Name	Contact Number	Installation Location
8:00 AM	15400 Indianola Drive	Bruce and Pamela Gorsuch	(H) 301-424-1433 (C) 301-717-7907	Basement
8:30 AM	15404 Indianola Drive	Farid Sadeghi	301-367-5603	Basement-Replacement
9:00 AM				
9:30 AM				
10:00 AM	7208 Grinnell Drive	John Spouge	301-217-9527	Kitchen
10:30 AM				
11:00 AM	15521 Grinnell Terrace	Betsy Fein	301-309-1481	N/A
11:30 AM				
12:00 PM	15408 Indianola Drive	Nick Radonic	(H) 301-294-9124 (C) 240-888-9990	Near Furnace
12:30 PM				
1:00 PM	15509 Grinnell Terrace	David Dunn	301-340-2990	Basement
1:30 PM	15505 Grinnell Terrace	Dan Markley	301-424-5431	Basement-Replacement
2:00 PM	15505 Grinnell Terrace	Dan Markley	301-424-5431	Basement-Replacement
2:30 PM	15505 Grinnell Terrace	Dan Markley	301-424-5431	Basement-Replacement
3:00 PM	15505 Grinnell Terrace	Dan Markley	301-424-5431	Basement-Replacement
3:30 PM	15401 Indianola Drive	Qamar Hasan	301-768-0943	Basement
4:00 PM	15505 Grinnell Terrace	Dan Markley	301-424-5431	Basement-Replacement
4:30 PM				
5:00 PM				

Not yet responded: 7201 Dubuque Court Joanne Yu and Guodong Fang 301-762-2155 Basement-Replacement