MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard • Baltimore Maryland 21230
(410) 537-3000 • 1-800-633-6101 • http:// www. mde. state. md. us

WASTE MANAGEMENT ADMINISTRATION
Report of Observations (Page 1)

FORMER PERMIT # 73-15-04-02A

Case # _____

Type of Inspection/Observations: Solid Waste - Closed Landfill

Date WED. 7/8/09

Site/Facility Name: Gude Landfill (LF)

Time In: 10:05 AM

Location: 600 E. Gude Drive; Rockville 20850 (Montg. Co.)

Time Out: ~1:30 PM

Remarks: (Background) • I arranged to meet Steve Leyinski of Montgomery County at the landfill today. There was a recent email to MDE and to Montgomery County from the citizens' group (Gude Landfill Concerned Citizens, I believe) about leachate outbreaks. I came to investigate.

(Observations & Actions) • The citizens identified 7 areas of concern. Steve and I found all 7. By the numbers given in the citizen communication, these areas are addressed below. It should be noted that my primary concerns are whether these wet areas are leachate outbreaks or storm water, and if there is leachate, that it's not running outside the LF (off-site). I took photos of all of these areas. Steve and I also went off site and we believe identified two areas S1 and S2, that the citizens called springs. (GAS EXTRACTION WELL 122)

• AREA #1. This is near EW122. It is an area that was formerly a deep drainage ditch, but is now shallow (The County re-graded and filled in the former ditch) (The deep ditch water was sampled in Feb 2002 by MDE, and was negative for VOC's. The water was also tested for metals, but I don't know what the conclusions from the metal results were.) I will follow up with Andrew Krenger of MDE about this. My understanding is that soil at and around the LF is high in iron and manganese: this information and testing is relevant because there is distinct orange staining in the shallow (state) accumulation of water at the S end of this ditch. I AM UNCERTAIN AT THIS TIME IF THERE IS A LEACHATE COMPONENT TO THIS WATER, OR IF THE ORANGE COLOR AND PRECIPITATE IS DUE TO IRON IN THE SOIL. ACTIONS ON AREA #1 (Only the area to the S has the orange color; the areas N in the channel are flowing more and appear to be clean storm water). The County has offered, and I agree they should try to sample this water. I will follow-up with Andrew Krenger, as stated above. The channel flows along the fence at the W boundary of the LF in a northerly direction: the COUNTY should immediately ensure that this water does not go off-site, especially at the northern end of the channel →

Observer: James P. Wagner, REGIONAL INSPECTOR

Person Interviewed: Steph T. Lynch, Engineer III DEP/DSWS

Form Number MDE/WAS/Com.030
Revision Date 12/3/02
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WASTE MANAGEMENT ADMINISTRATION
Report of Observations (Page 2)

Case # _____

Type of Inspection/Observations: Solid Waste - Closed Landfill

Date: WED 7/8/09

Site/Facility Name: Gude Landfill (LF)

Time In: 10:05 AM

Location: 600 E Gude Drive; Rockville 20850 (Montg Co.)

Time Out: 4:30 PM

CONT'D FR. P. 1

Remarks: where it is ending in a small pool. • AREA 2 This area is ~30 yards North of EW122 near the gas pipe. Again, it is an area of static, orange-stained water. There is gas bubbling from the ground in one spot. There is a rut from a vehicle tire in this area. AGAIN, THIS IS A POSSIBLE LEACHATE SEEP. ACTIONS ON AREA # 2 This area is the most suspicious of the areas seen today. The area is far enough from the western boundary of the LF that the suspicious water should not be flowing off-site. THE ~~LANDFILL~~ COUNTY SHOULD ATTEMPT TO SAMPLE THIS WATER AS SOON AS POSSIBLE TO DETERMINE IF THIS IS LEACHATE. Please submit the sampling results to me, Martha Hynson and Ed Dexter as soon as the results are available. If there is not enough water currently for sampling, the County should try again after the next rain event. If the County, or its sampling contractor has a reliable way NOW to dig a depression in the area (to facilitate sample collection) they should do it. I will follow up on this area after receiving the sampling data. • AREA 3 This area is further north near EW111A. There is some area of orange staining, but no odors (as at the other areas) i.e., I DID NOT DETECT ODORS AT ANY OF THE AREAS TODAY. and no gas evident. This is an ~15 ft x 10 ft area of wetness, but in much of the wet area, it looks like storm water. ACTIONS ON AREA 3 Again, the County should try to collect a sample in the orange area. This ~~area~~ water is not likely to flow off-site. • AREA 4 This area is only about 15 ft N or AREA 3. It is small (~6 ft x 3 ft). There is some area of orange staining, but no odor and no gas. ACTIONS ON AREA 4. (Same as for AREA 3) • AREA 5 This is about 30 yards N of AREA 4, near EW113. There is a slight orange color to soil here, and a small puddle with a slight orange color. The area is generally un-vegetated in an area about 10 ft x 8 ft. ACTIONS ON AREA 5 (Same as for AREA 3). • AREA 6 This is near the perimeter fence at ground water monitoring well #3 (Two wells = #3) There is orange color on dirt and →

Observer: James P. Wagner, REGIONAL INSPECTOR

Person Interviewed: Steph T. Lynch, Engineer III DEP/DSWS

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WASTE MANAGEMENT ADMINISTRATION
Report of Observations (Page 3)

Case # _____

Type of Inspection/Observations: Solid Waste - Closed Landfill

Date 7/8/09 (WED)

Site/Facility Name: Gude Landfill (LF)

Time In: 10:05 AM

Location: 600 E. Gude Drive; Rockville 20850 (Montg Co.)

Time Out: 4:30 PM

CONT'D FR. P. 2

Remarks: grass here, but no water. This appears to be the exit area for storm water because there is a large storm water channel descending down the LF slope just S of this point. [ACTIONS ON AREA 6] Indications are that surface run-off has caused the orange staining. There is no water to sample at this point. • [AREA 7] This area is outside of the landfill and is referred to as the "dead zone" by the citizens. This is an ~20 ft x 20 ft bare area near Crabbs Branch Creek that has been mentioned in previous reports. There is some orange staining at the southern rim of this wet area. No odor was detected. There is a channel leading into this area that appeared to contain clean storm water. [ACTIONS ON AREA 7] (SAME AS AREA 3). This area is in a storm water wash out area, and is in the "right of way" area NW of the LF. The County should try to facilitate sample collection at this site, if they know of a reliable way to do it (such as by digging a depression to allow enough water to accumulate). AGAIN, IT IS NOT YET KNOWN IF THERE IS A LEACHATE COMPONENT IN THIS WATER, BUT WE SHOULD TRY TO FIND OUT AS SOON AS POSSIBLE.

• I discussed the approach of having the County first try to sample these suspicious areas with Brian Coblentz of MDE (on the phone today). He concurred that it was a satisfactory approach at this point.

• I will expect to hear from the County soon regarding the possibility of sampling, now, some of these areas.

• Steve Lezynski indicated that the County ~~will~~ is planning to make depressions at the suspicious areas to facilitate sample collection. Also, just today, the springs S1 and S2 were sampled and results will be forwarded to MDE as soon as available.

Observer: James P. Wagner, REGIONAL INSPECTOR

Person Interviewed: Stephen T. Lezynski, Engineer III, DEP/DSWS

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