



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Marc Elrich  
*County Executive*

Willie Wainer  
*Acting Director*

September 7, 2023

Andrew Grenzer, Section Head  
Investigation and Remediation Section  
Solid Waste Operations Division  
Land and Materials Administration  
1800 Washington Boulevard, Suite 605  
Baltimore MD 21230-1719

**Re: Oaks Landfill – 3<sup>rd</sup> Quarter 2023 Landfill Gas Monitoring Probe Report**

Dear Mr. Grenzer,

The Montgomery County Department of Environmental Protection (DEP), Recycling and Resource Management Division (RRMD) has enclosed the quarterly landfill gas monitoring probe report for the 3<sup>rd</sup> Quarter of 2023.

If you have any questions, please call me at 240-777-6574 or email me at [Jamie.Foster@montgomerycountymd.gov](mailto:Jamie.Foster@montgomerycountymd.gov).

Sincerely,

*Jamie Foster*

Jamie C. Foster, Senior Engineer  
Recycling and Resource Management Division  
Department of Environmental Protection

Enclosure

**Oaks Landfill**

**Landfill Gas Monitoring Report**

**Third Quarter 2023**  
**(July 2023 – September 2023)**

Prepared By:

**SCS Field Services**  
**11260 Roger Bacon Drive, Ste. 300**  
**Reston, VA 20190**

For:

**Oaks Landfill**  
**6001 Olney-Laytonsville Road**  
**Laytonsville, Maryland 20882**

Presented To:

**Maryland Department of the Environment**  
**1800 Washington Blvd. Suite 605**  
**Baltimore, MD 21230**

September 7, 2023

August 8, 2023  
Job No. 07223153.00

**Sent Via Email on 09/06/2023**

Mr. Jamie Foster  
Senior Engineer  
Department of Environmental Protection  
16101 Frederick Road  
Derwood, MD 20855

**Subject:** Summary of Operation, Monitoring and Maintenance (OM&M) Services for Gas Collection and Control System (GCCS) at the Oaks Landfill, Montgomery County, Maryland July 2023.

Dear Mr. Foster:

SCS Field Services (SCS-FS) performed the extraction well, monitoring probe and blower inlet monitoring at the subject landfill during the month of July 2023. The data is presented in the following tables:

- Attachment 1. Blower/Flare Data
- Attachment 2. Gas Extraction Well Data
- Attachment 3. Boundary Probe Data
- Attachment 4. Blower Flare Station Check

On July 3<sup>rd</sup>, SCS-FS arrived onsite and noted that the blower/flare station (BFS) was operating properly. SCS-FS conducted a BFS check and completed the monthly LFG perimeter probe monitoring.

On July 5<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check and began weekly wellfield monitoring, and the monthly probe monitoring. SCS-FS noted damage to the gate to some of the probes and dense vegetation growth to others. Montgomery County personnel were notified of both observations. SCS-FS made condensate sump level checks and completed the weekly checklist.

On July 6<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS performed a BFS check and continued weekly wellfield monitoring. SCS-FS investigated high oxygen levels at the BFS and vacuum loses in areas of the landfill.

On July 10<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check, completing the weekly BFS check sheet and condensate trap liquid levels checks.

On July 11<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check. SCS-FS completed the weekly wellfield monitoring.

On July 13<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check and conducted wellfield evaluation with the landfill isolation valves to identify areas of vacuum and oxygen changes.

On July 14<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check and continued checks of the landfill extraction system for oxygen issues, inspecting the leachate collection system.

On July 17<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check. SCS-FS conducted measurements of liquid in the condensate sumps and completed the weekly BFS report.

On July 18<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS conducted a BFS check and completed the weekly wellfield monitoring.

On July 24<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS completed a BFS check and completed the weekly wellfield monitoring.

On July 25<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS completed a BFS check and liquid measurements of the condensate traps. SCS-FS completed the BFS check and continued oxygen leak investigation on the landfill.

On July 26<sup>th</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS completed a BFS check and continued investigation of the oxygen leak on the wellfield. SCS-FS compiled a list of cracked flanges on leachate end lines for replacement of blind flanges.

On July 31<sup>st</sup>, SCS-FS arrived onsite and noted that the BFS was operating properly. SCS-FS completed a BFS check, the weekly BFS report and condensate sump level checks.

SCS-FS appreciates the opportunity to provide our services. Please contact either of the undersigned if you have questions or need additional information.

Sincerely,



William Jacks, Jr.  
OM&M Superintendent  
**SCS FIELD SERVICES**



Mike Gibbons  
Project Manager  
**SCS FIELD SERVICES**

Attachments

cc: Jennifer Robb

### **Attachments**

- 1. Blower/Flare Data**
- 2. Gas Extraction Well Data**
- 3. Boundary Probe Data**
- 4. Blower Flare Station Check**

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**Attachment 1**  
**Blower/Flare Data**

## Attachment 1. Oaks Landfill - Blower/Flare Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Static Pressure ("H2O)	Flow (scfm)	Comments
FLARE INLET	7/5/2023 07:24	27.3	22.7	6.4	43.6	89	6.8	722	
FLARE INLET	7/5/2023 12:46	25.2	20.7	6.2	47.9	100	6.5	701	
FLARE INLET	7/6/2023 09:59	25.6	22.1	6.3	46.0	96	6.7	715	
FLARE INLET	7/10/2023 10:38	27.5	23.4	6.1	43.0	92	6.7	727	
FLARE INLET	7/11/2023 10:18	26.4	21.8	6.6	45.2	96	6.8	710	
FLARE INLET	7/11/2023 15:04	25.6	19.2	6.8	48.4	100	6.6	706	
FLARE INLET	7/14/2023 09:04	26.4	22.7	6.4	44.5	94	6.8	727	
FLARE INLET	7/14/2023 11:53	26.0	21.7	6.7	45.6	99	6.8	716	
FLARE INLET	7/17/2023 13:06	25.0	21.8	6.9	46.3	99	6.9	711	
FLARE INLET	7/18/2023 06:36	25.8	21.9	6.8	45.5	87	7.0	743	
FLARE INLET	7/18/2023 12:22	24.3	20.3	7.3	48.1	99	6.7	703	
FLARE INLET	7/19/2023 09:43	24.1	20.3	7.3	48.3	91	6.7	721	
FLARE INLET	7/19/2023 13:47	24.4	21.3	6.5	47.8	98	7.2	724	
FLARE INLET	7/24/2023 09:12	25.2	21.6	7.0	46.2	89	7.2	736	
FLARE INLET	7/24/2023 13:33	24.6	20.6	6.8	48.0	97	6.9	722	
FLARE INLET	7/25/2023 10:20	24.5	21.7	6.9	46.9	94	7.0	731	
FLARE INLET	7/25/2023 14:20	25.6	21.6	5.8	47.0	100	7.0	726	
FLARE INLET	7/26/2023 09:44	24.1	20.4	7.0	48.5	95	7.0	728	
FLARE INLET	7/26/2023 15:38	24.4	20.6	6.9	48.1	100	7.2	723	
FLARE INLET	7/31/2023 09:26	25.4	22.2	6.7	45.7	94	7.2	739	
BLOWER INLET	7/5/2023 07:27	27.3	23.1	6.2	43.4	61	-24.4	0	
BLOWER INLET	7/5/2023 12:49	24.9	22.4	6.0	46.7	68	-24.1	0	
BLOWER INLET	7/6/2023 10:01	25.4	22.1	6.2	46.3	68	-28.1	0	
BLOWER INLET	7/10/2023 10:40	27.3	23.7	6.0	43.0	67	-28.2	0	
BLOWER INLET	7/11/2023 10:21	26.2	22.9	6.3	44.6	67	-23.7	0	
BLOWER INLET	7/11/2023 15:08	24.0	20.2	7.4	48.4	65	-27.8	0	
BLOWER INLET	7/14/2023 09:05	26.1	23.0	6.3	44.6	68	-27.8	0	
BLOWER INLET	7/14/2023 11:54	25.5	22.4	6.6	45.5	70	-27.5	0	
BLOWER INLET	7/17/2023 13:07	24.8	22.0	6.8	46.4	70	-27.7	0	
BLOWER INLET	7/18/2023 06:38	25.6	22.7	6.7	45.0	64	-27.8	0	
BLOWER INLET	7/18/2023 12:24	24.2	20.5	7.2	48.1	70	-28.2	0	
BLOWER INLET	7/19/2023 09:44	24.1	20.9	7.2	47.8	67	-28.6	0	



## Attachment 1. Oaks Landfill - Blower/Flare Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Static Pressure ("H2O)	Flow (scfm)	Comments
BLOWER INLET	7/19/2023 13:49	24.2	22.3	6.5	47.0	70	-26.8	0	
BLOWER INLET	7/24/2023 09:14	24.7	21.5	7.2	46.6	65	-27.6	0	
BLOWER INLET	7/24/2023 13:35	24.4	20.6	6.8	48.2	70	-27.3	0	
BLOWER INLET	7/25/2023 10:21	24.3	21.6	7.0	47.1	68	-27.5	0	
BLOWER INLET	7/25/2023 14:21	25.5	23.1	5.9	45.5	70	-26.6	0	
BLOWER INLET	7/26/2023 09:49	23.0	20.2	7.1	49.7	67	-27.2	0	
BLOWER INLET	7/26/2023 15:40	24.3	21.0	6.9	47.8	65	-26.2	0	
BLOWER INLET	7/31/2023 09:27	25.3	22.3	6.7	45.7	69	-26.5	0	

### Technician/Weather

Field Technician	Record Date	Barometric Pressure	Ambient Temp	Wind Speed	Wind Direction	General Weather			
KS (KILE SCOTT)	7/5/2023	29.3	89	4	SE	Light wind			
JAG (JOHN GUICE)	7/6/2023	29.4	90	3	E	Light wind			
JAG (JOHN GUICE)	7/10/2023	29.3	86	9	N	Moderate wind			
KS (KILE SCOTT)	7/11/2023	29.3	88	4	SE	Light wind			
JAG (JOHN GUICE)	7/14/2023	29.3	87	3	SW	Light wind			
JAG (JOHN GUICE)	7/17/2023	29.4	89	6	W	Light wind			
JAG (JOHN GUICE)	7/18/2023	29.4	90	3	NW	Light wind			
JAG (JOHN GUICE)	7/19/2023	29.2	86	3	W	Light wind			
KS (KILE SCOTT)	7/24/2023	29.3	84	6	N	Light wind			
JAG (JOHN GUICE)	7/25/2023	29.5	85	4	S	Clear			
KS (KILE SCOTT)	7/26/2023	29.4	90	2	N	Light wind			
JAG (JOHN GUICE)	7/31/2023	29.4	84	5	NW	Moderate wind			





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**Attachment 2**  
**Gas Extraction Well Data**

## Attachment 2. Oaks Landfill - ExtractionWell Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
GEW-10	7/5/2023 11:39	0.0	0.5	20.4	79.1	107	-0.3	-0.2	0.5	-20.8	WELL CLOSED
GEW-10	7/11/2023 14:48	0.0	0.7	20.3	79.0	106	-0.3	-0.3	0.0	-19.9	WELL CLOSED
GEW-10	7/18/2023 12:09	0.0	0.6	19.7	79.7	99	-0.3	-0.3	0.0	-20.7	WELL CLOSED
GEW-10	7/24/2023 13:16	0.0	0.7	18.9	80.4	97	-0.2	-0.2	0.0	-19.0	WELL CLOSED
GEW-11	7/5/2023 11:41	0.0	0.9	19.9	79.2	105	-0.3	-0.2	0.0	-21.0	WELL CLOSED
GEW-11	7/11/2023 14:50	0.0	1.0	20.0	79.0	107	-0.3	-0.3	0.0	-20.0	WELL CLOSED
GEW-11	7/18/2023 12:11	0.0	1.0	19.2	79.8	99	-0.2	-0.2	0.0	-20.5	WELL CLOSED
GEW-11	7/24/2023 13:18	0.0	1.4	18.3	80.3	98	-0.4	-0.4	0.0	-19.1	WELL CLOSED
GEW-12	7/5/2023 11:22	0.0	0.6	20.6	78.8	105	-3.4	-3.4	0.0	-20.9	WELL CLOSED
GEW-12	7/11/2023 14:35	0.0	0.4	20.7	78.9	105	-3.6	-3.6	0.0	-19.7	WELL CLOSED
GEW-12	7/18/2023 11:56	0.0	0.6	19.9	79.5	98	-3.4	-3.5	0.0	-20.6	WELL CLOSED
GEW-12	7/24/2023 13:03	0.0	0.6	19.3	80.1	97	-2.9	-2.4	0.0	-19.2	WELL CLOSED
GEW-13	7/5/2023 11:20	0.0	0.7	19.4	79.9	106	-0.4	-0.8	0.0	-21.1	WELL CLOSED
GEW-13	7/11/2023 14:33	0.0	0.7	19.7	79.6	107	-0.3	-0.8	0.0	-19.9	WELL CLOSED
GEW-13	7/18/2023 11:54	0.0	1.0	19.7	79.3	96	-0.9	-0.9	0.0	-20.6	WELL CLOSED
GEW-13	7/24/2023 13:01	0.0	1.0	18.8	80.2	99	-0.4	-0.5	0.0	-19.0	WELL CLOSED
GEW-14	7/5/2023 11:16	0.3	1.4	18.0	80.3	105	-0.3	-0.2	0.0	-20.8	WELL CLOSED
GEW-14	7/11/2023 14:28	0.0	0.7	20.6	78.7			0.0	0.0		WELL CLOSED
GEW-14	7/18/2023 11:51	0.1	1.6	17.4	80.9	96	-0.9	-0.9	0.0	-20.4	WELL CLOSED
GEW-14	7/24/2023 12:57	0.5	2.5	15.5	81.5	98	-0.3	-0.4	0.0	-19.2	WELL CLOSED
GEW-15	7/5/2023 11:14	0.0	0.4	20.0	79.6	106	-0.4	-0.4	0.0	-21.0	WELL CLOSED
GEW-15	7/11/2023 14:25	0.3	0.7	19.2	79.8	103	-0.5	-0.6	0.0	-19.9	WELL CLOSED
GEW-15	7/18/2023 11:49	0.3	0.8	19.4	79.5	95	-0.9	-0.9	0.0	-20.4	WELL CLOSED
GEW-15	7/24/2023 12:54	0.3	1.0	18.4	80.3	93	-0.4	-0.5	0.0	-19.1	WELL CLOSED
EW-16	7/5/2023 08:27	58.6	41.0	0.4	0.0	80	0.0	0.1	0.0	0.1	WELL CLOSED
EW-16	7/11/2023 10:58	55.8	39.8	0.9	3.5	90	0.1	0.1	0.0	0.1	WELL CLOSED
EW-16	7/18/2023 08:21	51.9	41.7	0.7	5.7	87	-0.1	0.0	7.3	0.1	WELL CLOSED
EW-16	7/24/2023 09:51	51.8	38.0	1.9	8.3	80	-0.1	-0.2	6.1	-0.3	WELL CLOSED
EW-17	7/5/2023 09:51	15.1	11.1	12.9	60.9	96	-0.2	-0.1	8.8	-21.6	WELL CLOSED
EW-17	7/11/2023 12:44	15.5	11.0	13.7	59.8	96	0.1	0.1	0.0	-20.9	WELL CLOSED
EW-17	7/18/2023 10:12	44.6	32.8	0.0	22.6	93	0.1	0.1	8.3	-20.2	WELL CLOSED
EW-17	7/24/2023 11:41	3.4	5.1	17.4	74.1	92	-0.3	-0.3	7.7	-20.0	WELL CLOSED
EW-18	7/5/2023 09:11	57.6	36.6	0.0	5.8	88	0.1	0.1	0.0	0.0	WELL CLOSED
EW-18	7/11/2023 12:08	54.8	35.0	0.0	10.2	95	0.1	0.1	0.0	0.1	WELL CLOSED



## Attachment 2. Oaks Landfill - ExtractionWell Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
EW-18	7/18/2023 09:37	53.6	36.7	0.0	9.7	88	0.1	0.1	7.1	0.0	WELL CLOSED
EW-18	7/24/2023 11:09	57.8	35.6	0.4	6.2	85	-0.7	-0.7	0.0	0.0	WELL CLOSED
GEW-01	7/5/2023 10:58	0.0	0.2	20.9	78.9	106	-0.6	-0.5	0.0	-20.7	WELL CLOSED
GEW-01	7/11/2023 14:16	0.0	0.3	20.3	79.4	104	-0.4	-0.4	0.0	-20.1	WELL CLOSED
GEW-01	7/18/2023 11:35	0.0	0.4	20.5	79.1	95	-0.4	-0.4	0.0	-20.2	WELL CLOSED
GEW-01	7/24/2023 12:44	0.0	0.4	19.7	79.9	95	-0.5	-0.4	0.0	-18.9	WELL CLOSED
GEW-02	7/5/2023 11:11	0.0	0.4	19.5	80.1	103	-1.1	-1.1	0.0	-21.0	WELL CLOSED
GEW-02	7/11/2023 14:23	0.0	0.4	19.3	80.3	104	-0.9	-0.9	0.0	-20.1	WELL CLOSED
GEW-02	7/18/2023 11:47	0.1	1.6	18.5	79.8	95	-0.9	-0.9	0.0	-20.5	WELL CLOSED
GEW-02	7/24/2023 12:52	0.0	0.6	19.1	80.3	94	-0.7	-0.7	0.0	-19.2	WELL CLOSED
GEW-03	7/5/2023 11:18	0.0	0.5	20.7	78.8	106	-0.9	-0.9	0.0	-21.0	WELL CLOSED
GEW-03	7/11/2023 14:30	0.0	0.3	20.7	79.0	103	-0.7	-0.7	0.0	-19.9	WELL CLOSED
GEW-03	7/18/2023 11:53	0.0	0.3	20.4	79.3	96	-0.7	-0.7	0.0	-20.4	WELL CLOSED
GEW-03	7/24/2023 12:59	0.0	0.8	19.5	79.7	98	-0.6	-0.6	0.0	-19.1	WELL CLOSED
GEW-04	7/5/2023 11:25	0.0	0.4	20.6	79.0	107	0.0	-0.1	0.0	-20.9	WELL CLOSED
GEW-04	7/11/2023 14:37	0.0	0.3	20.6	79.1	108	-0.1	-0.1	0.0	-20.1	WELL CLOSED
GEW-04	7/18/2023 11:58	0.0	0.4	20.3	79.3	97	-0.1	-0.1	0.0	-20.7	WELL CLOSED
GEW-04	7/24/2023 13:06	0.0	0.4	19.4	80.2	99	-0.2	-0.1	0.0	-18.9	WELL CLOSED
GEW-05	7/5/2023 11:04	0.0	0.2	20.8	79.0	103	-0.1	-0.1	0.0	-20.9	WELL CLOSED
GEW-05	7/11/2023 14:20	0.0	0.3	20.4	79.3	110	-0.1	-0.1	0.0	-19.9	WELL CLOSED
GEW-05	7/18/2023 11:39	31.8	27.4	0.0	40.8	96	-0.1	-0.1	0.0	-20.4	WELL CLOSED
GEW-05	7/24/2023 12:49	0.3	0.3	19.7	79.7	95	-0.1	-0.1	0.0	-19.0	WELL CLOSED
GEW-06	7/5/2023 11:27	0.0	0.3	20.8	78.9	109	-0.5	-0.4	0.0	-21.1	WELL CLOSED
GEW-06	7/11/2023 14:39	0.0	0.3	20.8	78.9	107	-0.5	-0.5	0.0	-20.1	WELL CLOSED
GEW-06	7/18/2023 12:00	0.0	0.0	20.5	79.5	99	-0.5	-0.4	0.0	-20.5	WELL CLOSED
GEW-06	7/24/2023 13:08	0.0	0.3	19.5	80.2	100	-0.4	-0.4	0.0	-19.1	WELL CLOSED
GEW-07	7/5/2023 11:29	0.0	0.5	20.1	79.4	106	-0.4	-0.4	0.0	-20.9	WELL CLOSED
GEW-07	7/11/2023 14:41	0.0	0.5	20.0	79.5	103	-0.4	-0.4	0.0	-19.9	WELL CLOSED
GEW-07	7/18/2023 12:02	0.0	0.8	19.3	79.9	100	-0.4	-0.4	0.0	-20.7	WELL CLOSED
GEW-07	7/24/2023 13:10	0.0	0.8	18.5	80.7	99	-0.4	-0.4	0.0	-19.2	WELL CLOSED
GEW-08	7/5/2023 11:34	0.0	0.1	20.9	79.0	109	-0.4	-0.3	0.0	-20.8	WELL CLOSED
GEW-08	7/11/2023 14:43	0.0	0.4	20.9	78.7	104	-0.3	-0.3	0.0	-20.0	WELL CLOSED
GEW-08	7/18/2023 12:04	0.0	0.0	20.4	79.6	98	-0.3	-0.3	0.0	-20.7	WELL CLOSED
GEW-08	7/24/2023 13:12	0.0	0.4	19.4	80.2	100	-0.3	-0.3	0.0	-19.1	WELL CLOSED



## Attachment 2. Oaks Landfill - ExtractionWell Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
HC-2-3	7/18/2023 09:49	45.8	33.1	0.0	21.1	72	0.0	0.0	0.0	-20.7	WELL CLOSED
HC-2-3	7/24/2023 11:20	47.4	32.9	0.1	19.6	71	-0.5	-0.4	0.0	-19.9	NO CHANGE
HC-2-4	7/5/2023 09:33	35.0	24.4	4.0	36.6	71	-0.1	-0.1	0.0	-18.3	WELL CLOSED,SURGING
HC-2-4	7/11/2023 12:25	34.6	25.4	3.6	36.4	79	0.2	0.2	0.0	-17.4	WELL CLOSED
HC-2-4	7/18/2023 09:55	45.6	32.7	0.0	21.7	75	0.0	0.0	0.0	-17.1	WELL CLOSED
HC-2-4	7/24/2023 11:25	0.2	0.6	19.5	79.7	76	-0.3	-0.3	0.0	-16.7	WELL CLOSED,SURGING
HC-2-5	7/5/2023 09:39	31.1	23.8	4.8	40.3	71	-0.1	-0.1	0.0	-21.8	WELL CLOSED
HC-2-5	7/11/2023 12:32	44.7	31.2	0.1	24.0	83	0.1	0.1	0.0	-20.8	WELL CLOSED
HC-2-5	7/18/2023 10:01	48.1	35.1	0.0	16.8	76	0.0	0.0	0.0	-20.5	WELL CLOSED
HC-2-5	7/24/2023 11:31	0.2	1.5	19.0	79.3	80	-0.2	-0.2	0.0	-20.0	WELL CLOSED
HC-2-6	7/5/2023 09:45	38.0	29.5	0.0	32.5	63	-0.5	-0.5	0.0	-22.0	OPEN SLIGHTLY,ADJUSTMENT
HC-2-6	7/11/2023 12:37	37.4	28.4	0.0	34.2	75	-0.3	-0.3	0.0	-20.9	NO CHANGE
HC-2-6	7/18/2023 10:06	38.7	31.5	0.0	29.8	68	-0.3	-0.3	0.0	-19.7	NO CHANGE
HC-2-6	7/24/2023 11:36	40.1	29.2	0.7	30.0	72	-0.6	-0.6	0.0	-19.5	NO CHANGE
HC-3-1	7/5/2023 09:14	19.2	14.8	6.1	59.9	88	-0.1	-0.1	0.0	0.0	WELL CLOSED
HC-3-1	7/11/2023 12:11	23.2	15.7	5.6	55.5	92	0.1	0.1	0.0	0.1	WELL CLOSED
HC-3-1	7/18/2023 09:40	33.6	23.4	0.0	43.0	89	0.0	0.0	0.0	0.0	WELL CLOSED
HC-3-1	7/24/2023 11:11	12.2	8.5	13.0	66.3	84	-0.4	-0.3	0.0	0.0	WELL CLOSED
HC-3-2	7/5/2023 09:20	46.0	30.5	0.0	23.5	93	-1.5	-1.9	0.0	-21.9	WELL CLOSED
HC-3-2	7/11/2023 12:16	45.9	30.1	0.0	24.0	99	-1.3	-1.4	1.9	-20.7	WELL CLOSED
HC-3-2	7/18/2023 09:46	46.1	25.6	0.0	28.3	94	-1.3	-1.8	0.0	-20.5	WELL CLOSED
HC-3-2	7/24/2023 11:17	47.7	31.2	0.0	21.1	90	-1.2	-1.4	0.0	-20.0	WELL CLOSED
HC-3-3	7/5/2023 09:27	1.0	2.3	18.7	78.0	96	-0.1	-0.1	0.0	-21.8	WELL CLOSED
HC-3-3	7/11/2023 12:21	29.0	20.8	5.6	44.6	101	0.1	0.1	0.8	-20.8	WELL CLOSED
HC-3-3	7/18/2023 09:52	35.8	24.7	0.0	39.5	93	0.1	0.1	0.0	-20.5	WELL CLOSED
HC-3-3	7/24/2023 11:22	0.7	1.7	19.0	78.6	92	-0.3	-0.3	0.0	-19.9	WELL CLOSED
HC-3-4	7/5/2023 09:36	39.8	28.6	1.3	30.3	96	-0.1	-0.1	0.0	-21.8	WELL CLOSED
HC-3-4	7/11/2023 12:28	37.1	26.9	3.2	32.8	101	0.1	0.1	1.5	-20.9	WELL CLOSED
HC-3-4	7/18/2023 09:57	41.9	29.4	0.7	28.0	93	0.1	0.1	0.0	-20.2	WELL CLOSED
HC-3-4	7/24/2023 11:28	21.0	12.7	11.1	55.2	92	-0.2	-0.2	0.0	-19.8	WELL CLOSED
HC-3-5	7/5/2023 09:42	38.7	27.0	2.2	32.1	97	-0.1	-0.1	0.0	-21.6	WELL CLOSED
HC-3-5	7/11/2023 12:34	32.0	22.6	6.8	38.6	100	0.1	0.1	1.2	-20.9	WELL CLOSED
HC-3-5	7/18/2023 10:03	47.8	30.6	0.0	21.6	95	0.0	0.0	0.0	-20.2	WELL CLOSED
HC-3-5	7/24/2023 11:33	21.4	11.2	11.3	56.1	74	-0.3	-0.3	0.0	-20.0	WELL CLOSED



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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
GEW-09	7/5/2023 11:37	0.0	0.2	20.7	79.1	105	-0.1	-0.1	0.0	-20.8	WELL CLOSED
GEW-09	7/11/2023 14:45	0.0	0.4	20.7	78.9	105	-0.1	-0.1	0.0	-20.0	WELL CLOSED
GEW-09	7/18/2023 12:06	0.0	0.3	20.0	79.7	99	-0.1	-0.1	0.0	-20.7	WELL CLOSED
GEW-09	7/24/2023 13:14	0.0	0.4	19.2	80.4	99	-0.2	-0.2	0.0	-19.0	WELL CLOSED
HC-1-1	7/5/2023 08:40	38.8	25.6	0.4	35.2	69	0.1	0.1	0.0	-3.9	WELL CLOSED
HC-1-1	7/11/2023 11:22	36.5	23.1	0.7	39.7	86	0.1	0.1	0.0	-3.4	WELL CLOSED
HC-1-1	7/18/2023 08:57	39.7	28.1	0.3	31.9	79	0.2	0.2	0.0	-2.6	WELL CLOSED
HC-1-1	7/24/2023 10:43	38.0	24.0	1.7	36.3	82	-0.4	-0.4	0.0	-2.4	WELL CLOSED
HC-1-2	7/5/2023 08:43	32.4	22.5	6.7	38.4	69	0.0	0.0	0.0	0.1	WELL CLOSED
HC-1-2	7/11/2023 11:25	4.8	6.0	16.1	73.1	83	0.0	0.0	0.0	0.1	WELL CLOSED
HC-1-2	7/18/2023 09:00	50.8	31.6	0.2	17.4	79	0.2	0.2	0.0	0.1	WELL CLOSED
HC-1-2	7/24/2023 10:45	0.5	3.1	19.6	76.8	79	-0.4	-0.4	0.0	0.0	WELL CLOSED
HC-1-3	7/5/2023 08:46	13.7	10.0	13.9	62.4	67	0.0	0.0	0.0	-4.0	WELL CLOSED
HC-1-3	7/11/2023 11:28	4.8	3.7	17.4	74.1	80	0.0	0.0	0.0	-3.6	WELL CLOSED
HC-1-3	7/18/2023 09:03	44.6	30.8	0.0	24.6	77	0.1	0.0	0.0	-2.3	WELL CLOSED
HC-1-3	7/24/2023 10:49	0.1	0.7	20.4	78.8	76	-0.4	-0.4	0.0	-2.5	WELL CLOSED
HC-1-4	7/5/2023 08:50	18.8	14.3	9.9	57.0	63	-0.5	0.0	0.0	-4.1	WELL CLOSED
HC-1-4	7/11/2023 11:30	24.8	16.2	7.9	51.1	73	-0.3	-0.2	0.0	-3.4	WELL CLOSED
HC-1-4	7/18/2023 09:06	19.3	15.4	11.0	54.3	73	-0.4	-0.2	0.0	-2.8	WELL CLOSED
HC-1-4	7/24/2023 10:52	1.2	0.8	19.8	78.2	72	-0.2	-0.2	0.0	-2.3	WELL CLOSED
HC-1-5	7/5/2023 08:54	0.3	1.5	19.8	78.4	71	0.1	0.1	0.0	-20.9	WELL CLOSED
HC-1-5	7/11/2023 11:34	0.4	1.7	19.6	78.3	80	0.1	0.1	0.0	-20.5	WELL CLOSED
HC-1-5	7/18/2023 09:10	0.6	1.3	19.8	78.3	80	-0.1	-0.1	0.0	-19.9	WELL CLOSED
HC-1-5	7/24/2023 10:55	0.3	1.0	19.9	78.8	76	-0.1	0.0	0.0	-19.4	WELL CLOSED
HC-1-6	7/5/2023 08:57	34.2	24.3	1.9	39.6	65	-0.1	-0.1	0.0	-21.3	WELL CLOSED
HC-1-6	7/11/2023 11:37	36.2	25.0	1.1	37.7	73	-0.1	-0.1	0.0	-20.5	WELL CLOSED
HC-1-6	7/18/2023 09:13	36.2	32.0	0.0	31.8	74	-0.1	-0.1	0.0	-20.1	WELL CLOSED
HC-1-6	7/24/2023 10:58	34.2	25.3	3.1	37.4	72	-0.5	-0.5	0.0	-19.5	WELL CLOSED
HC-2-2	7/5/2023 09:18	48.4	30.0	0.2	21.4	69	-0.1	-0.1	0.0	-21.8	WELL CLOSED
HC-2-2	7/11/2023 12:14	46.4	28.5	0.0	25.1	85	0.1	0.1	0.0	-20.7	WELL CLOSED
HC-2-2	7/18/2023 09:43	46.1	29.2	0.0	24.7	79	-0.1	-0.1	0.0	-19.0	WELL CLOSED
HC-2-2	7/24/2023 11:15	52.5	29.6	1.0	16.9	75	-0.3	-0.3	0.0	-19.9	WELL CLOSED
HC-2-3	7/5/2023 09:24	43.4	29.9	0.0	26.7	65	-0.2	-0.2	0.0	-21.8	NO CHANGE
HC-2-3	7/11/2023 12:19	42.8	28.9	0.0	28.3	72	0.0	0.0	0.0	-21.0	WELL CLOSED



## Attachment 2. Oaks Landfill - ExtractionWell Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
HC-3-6	7/5/2023 09:48	38.0	29.6	0.6	31.8	97	-0.1	-0.1	0.0	-21.8	WELL CLOSED
HC-3-6	7/11/2023 12:41	39.5	30.7	0.0	29.8	101	0.2	0.2	1.5	-20.9	WELL CLOSED
HC-3-6	7/18/2023 10:08	38.4	27.9	0.0	33.7	94	0.0	0.0	0.0	-20.3	WELL CLOSED
HC-3-6	7/24/2023 11:38	33.9	25.6	3.8	36.7	94	-0.3	-0.2	0.0	-19.8	WELL CLOSED
HC-4-1	7/5/2023 08:03	0.3	1.8	20.0	77.9	84	0.0	0.0	2.5	0.8	WELL CLOSED
HC-4-1	7/11/2023 10:37	0.7	3.0	19.4	76.9	94	0.1	0.1	2.9	0.1	WELL CLOSED
HC-4-1	7/18/2023 07:51	2.9	2.8	18.6	75.7	84	0.4	0.4	0.0	-0.1	WELL CLOSED
HC-4-1	7/24/2023 09:29	2.2	2.5	18.8	76.5	77	-0.3	-0.2	3.2	0.0	WELL CLOSED
HC-4-2	7/5/2023 08:37	9.6	4.9	15.3	70.2	90	-0.1	-0.1	1.4	-3.9	WELL CLOSED
HC-4-2	7/11/2023 11:19	14.9	7.4	11.9	65.8	98	0.0	0.0	2.4	-3.3	WELL CLOSED
HC-4-2	7/18/2023 08:54	17.8	9.2	10.9	62.1	87	-0.2	-0.3	0.0	-2.9	WELL CLOSED
HC-4-2	7/24/2023 10:38	26.2	13.1	7.6	53.1	79	-0.3	-0.3	1.0	-2.4	WELL CLOSED
HCA-01	7/5/2023 08:05	25.2	7.1	8.2	59.5	83	-0.1	-0.1	2.6	0.1	WELL CLOSED
HCA-01	7/11/2023 10:40	28.2	8.0	6.6	57.2	95	0.1	0.1	3.2	0.2	WELL CLOSED
HCA-01	7/18/2023 07:54	37.4	11.5	2.5	48.6	83	0.1	0.1	0.0	0.0	WELL CLOSED
HCA-01	7/24/2023 09:32	25.2	7.7	9.1	58.0	80	-0.4	-0.4	0.0	-0.2	WELL CLOSED
HCA-02	7/5/2023 08:08	33.1	22.3	0.3	44.3	73	0.1	0.1	0.0	0.1	WELL CLOSED
HCA-02	7/11/2023 10:43	33.1	25.1	0.2	41.6	79	0.0	0.1	0.0	0.1	WELL CLOSED
HCA-02	7/18/2023 07:58	34.7	27.0	0.0	38.3	80	0.3	0.3	0.0	0.2	WELL CLOSED
HCA-02	7/24/2023 09:35	35.9	26.1	1.4	36.6	77	-0.6	-0.6	0.0	-0.1	WELL CLOSED
HCA-03	7/5/2023 08:11	20.7	17.1	8.2	54.0	71	0.0	0.0	0.0	0.1	WELL CLOSED
HCA-03	7/11/2023 10:45	14.0	12.2	12.8	61.0	81	-0.1	0.0	0.0	0.1	WELL CLOSED
HCA-03	7/18/2023 08:02	39.6	31.4	0.0	29.0	79	0.3	0.3	0.0	0.1	WELL CLOSED
HCA-03	7/24/2023 09:38	13.7	12.0	12.6	61.7	76	-0.7	-0.6	0.0	-0.1	WELL CLOSED
HCA-04	7/5/2023 08:15	46.6	34.2	0.2	19.0	71	0.0	0.1	0.0	0.1	WELL CLOSED
HCA-04	7/11/2023 10:49	43.5	32.0	1.1	23.4	79	0.1	0.1	0.0	0.1	WELL CLOSED
HCA-04	7/18/2023 08:05	45.3	34.5	0.0	20.2	79	0.3	0.3	0.0	0.2	WELL CLOSED
HCA-04	7/24/2023 09:41	46.8	33.3	1.2	18.7	75	-0.5	-0.5	0.0	-0.3	WELL CLOSED
HCA-05	7/5/2023 08:18	40.8	33.9	0.0	25.3	70	-2.1	-2.6	0.0	0.1	WELL CLOSED
HCA-05	7/11/2023 10:52	38.7	33.0	0.2	28.1	81	-2.4	-2.9	0.0	0.2	WELL CLOSED
HCA-05	7/18/2023 08:08	41.3	34.6	0.0	24.1	76	-2.4	-3.1	0.0	0.0	WELL CLOSED
HCA-05	7/24/2023 09:44	1.1	6.1	17.2	75.6	76	-1.9	-0.9	0.0	-0.1	WELL CLOSED
HCA-06	7/5/2023 08:22	0.3	2.4	19.3	78.0	72	-0.1	-0.1	0.0	0.1	WELL CLOSED
HCA-06	7/11/2023 10:55	0.7	4.8	19.2	75.3	82	0.0	0.0	0.0	0.1	WELL CLOSED



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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Flow (scfm)	System Pressure ("H2O)	Comments
HCA-06	7/18/2023 08:17	42.0	34.0	0.0	24.0	79	0.0	0.0	0.0	0.0	WELL CLOSED
HCA-06	7/24/2023 09:47	0.1	1.2	20.1	78.6	76	-0.5	-0.5	0.0	0.0	WELL CLOSED
HCL-01	7/5/2023 10:30	0.5	1.5	19.0	79.0	100	-21.3	-21.3	0.0	-14.6	WELL CLOSED
HCL-01	7/11/2023 13:55	0.5	2.1	19.2	78.2	105	-20.3	-20.3	0.8	-13.8	WELL CLOSED
HCL-01	7/18/2023 11:02	0.1	1.5	18.9	79.5	95	-20.0	-20.0	0.0	-13.4	WELL CLOSED
HCL-01	7/24/2023 12:18	0.4	1.7	19.2	78.7	96	-19.2	-19.2	2.6	-13.6	WELL CLOSED
HCN-01	7/5/2023 10:32	0.4	0.7	19.5	79.4	95	-16.5	-16.5	12.4	-21.3	WELL CLOSED
HCN-01	7/11/2023 13:57	0.5	0.9	19.7	78.9	96	-15.6	-15.6	0.0	-20.1	WELL CLOSED
HCN-01	7/18/2023 11:13	0.0	0.1	20.8	79.1	90	-15.0	-15.0	0.0	-19.8	WELL CLOSED
HCN-01	7/24/2023 12:20	0.3	0.7	19.5	79.5	91	-15.6	-15.6	5.4	-19.3	WELL CLOSED
HCN-02	7/5/2023 10:36	32.8	27.6	0.4	39.2	87	-18.6	-18.6	65.0	-20.1	FULLY OPEN
HCN-02	7/11/2023 14:01	32.1	26.4	0.5	41.0	91	-17.6	-17.5	65.9	-19.1	FULLY OPEN
HCN-02	7/18/2023 11:18	27.7	29.3	0.3	42.7	81	-17.1	-15.1	6.2	-20.3	CLOSE SLIGHTLY,ADJUSTMENT
HCN-02	7/19/2023 10:12	28.3	27.1	1.8	42.8	82	-13.9	-16.3	80.9	-18.7	FULLY OPEN,ADJUSTMENT
HCN-02	7/24/2023 12:28	33.4	27.6	0.8	38.2	88	-17.1	-17.1	58.1	-18.3	FULLY OPEN
HCN-03	7/5/2023 10:41	38.7	29.8	0.4	31.1	87	-15.5	-15.5	0.0	-21.0	FULLY OPEN
HCN-03	7/11/2023 14:08	38.0	30.0	0.4	31.6	87	-14.5	-14.5	0.0	-20.0	FULLY OPEN
HCN-03	7/18/2023 11:31	28.6	30.2	0.2	41.0	84	-14.0	-14.0	1.1	-20.5	OPEN SLIGHTLY,ADJUSTMENT
HCN-03	7/19/2023 10:23	30.0	30.1	0.3	39.6	77	-13.1	-13.6	29.4	-18.2	FULLY OPEN,ADJUSTMENT
HCN-03	7/24/2023 12:36	17.5	23.2	0.2	59.1	61	-15.4	-15.4	23.2	-18.0	FULLY OPEN
HCS-01	7/5/2023 10:24	49.6	34.1	0.0	16.3	66	-19.4	-19.4	16.7	-20.7	FULLY OPEN
HCS-01	7/11/2023 13:14	49.2	33.9	0.1	16.8	64	-18.5	-18.5	16.8	-19.6	FULLY OPEN
HCS-01	7/18/2023 10:50	46.7	35.0	0.0	18.3	68	-17.9	-17.9	17.2	-19.4	FULLY OPEN
HCS-01	7/24/2023 12:11	50.7	33.5	0.3	15.5	67	-17.9	-17.9	14.3	-18.9	FULLY OPEN
HCS-02	7/5/2023 10:18	30.5	29.2	0.0	40.3	84	-18.6	-18.6	0.0	-20.1	FULLY OPEN
HCS-02	7/11/2023 13:07	29.5	29.0	0.0	41.5	91	-17.7	-17.6	0.0	-19.4	WELL CLOSED
HCS-02	7/18/2023 10:37	25.2	27.6	0.0	47.2	82	-17.1	-16.7	0.0	-19.3	CLOSE SLIGHTLY,ADJUSTMENT
HCS-02	7/19/2023 10:02	20.2	27.1	0.1	52.6	73	-16.2	-16.8	0.0	-19.5	FULLY OPEN,ADJUSTMENT
HCS-02	7/24/2023 12:05	31.2	30.7	0.2	37.9	87	-17.3	-17.3	0.0	-18.4	FULLY OPEN
HCS-03	7/5/2023 10:10	42.2	32.9	0.1	24.8	61	-16.7	-16.7	26.2	-20.2	FULLY OPEN
HCS-03	7/11/2023 13:00	40.7	31.6	0.1	27.6	62	-15.9	-15.9	26.2	-19.1	WELL CLOSED
HCS-03	7/18/2023 10:30	39.3	31.2	0.0	29.5	66	-15.3	-15.3	26.8	-18.9	FULLY OPEN
HCS-03	7/24/2023 11:58	42.4	33.4	0.6	23.6	65	-15.8	-15.8	23.1	-18.6	FULLY OPEN



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**Attachment 3**  
**Boundary Probe Data**



### Attachment 3. Oaks Landfill - Monitoring Probes Data - 07/01/2023 to 07/31/2023

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Rel Press ("H2O)	Comments
MW-01	7/6/2023 10:21	0.0	3.8	16.7	79.5	0.0	
MW-02	7/5/2023 11:58	0.0	1.9	17.8	80.3	0.0	
MW-03	7/6/2023 10:39	0.0	3.8	13.4	82.8	0.0	
MW-04	7/19/2023 10:44	0.0	2.5	18.7	78.8	0.1	
MW-05	7/19/2023 10:57	0.0	2.4	19.2	78.4	-0.1	
MW-06	7/5/2023 12:15	0.0	2.0	19.0	79.0	-0.6	
MW-07	7/5/2023 12:19	0.0	0.7	20.9	78.4	0.0	
MW-08	7/5/2023 12:24	0.0	0.9	19.2	79.9	-0.6	
MW-09	7/19/2023 11:11	0.0	1.9	19.4	78.7	-0.2	
MW-10	7/19/2023 11:22	0.0	3.0	17.3	79.7	-0.1	
MW-11	7/19/2023 11:26	0.0	4.7	15.1	80.2	-0.2	
MW-12	7/19/2023 12:02	0.0	2.7	19.1	78.2	-0.1	
MW-13	7/19/2023 12:05	0.0	2.4	18.3	79.3	-0.1	
MW-14	7/19/2023 12:09	0.0	6.0	10.1	83.9	-0.1	
MW-15	7/19/2023 12:19	0.0	2.2	19.3	78.5	-0.9	
MW-16	7/19/2023 12:26	0.0	1.7	19.3	79.0	-0.1	
MW-17	7/19/2023 12:42	0.0	3.8	14.7	81.5	-0.1	
MW-18	7/19/2023 12:51	0.0	5.2	12.3	82.5	-0.2	
MW-19	7/19/2023 12:57	0.0	2.2	17.0	80.8	-2.2	
MW-20	7/19/2023 13:09	0.0	1.8	16.4	81.8	-0.2	
MW-21	7/19/2023 13:26	0.0	7.1	1.1	91.8	-0.1	
MW-22	7/19/2023 13:33	0.0	4.1	17.3	78.6	-0.1	
MW-03A	7/6/2023 10:53	0.0	2.6	18.7	78.7	-0.5	
MW-08A	7/5/2023 12:27	0.0	4.1	15.4	80.5	0.0	
MW-08B	7/5/2023 12:33	0.0	4.3	16.4	79.3	-0.4	



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**Attachment 4**  
**Blower/Flare Station Check**

# SCS FIELD SERVICES

## BLOWER/FLARE STATION REPORT OAKS MONTGOMERY COUNTY LANDFILL

DATE: 07/10/2023  
MONITORED BY: J. Guice  
CONTACT: Jamie Foster

TIME STARTED: 0800  
TIME COMPLETED: 1200  
INSTRUMENT: Landtec GEM 5000

**WEATHER CONDITIONS:**

AMBIENT TEMPERATURE:	86°F	CURRENT CONDITIONS:	Cloudy
BAROMETRIC PRESSURE:	29.86	WIND:	N @ 9 mph

**BLOWER / FLARE FACILITY:**

MONITORING POINT	PRESS/VAC ("WC)	% CH4	% CO2	% O2	% BALANCE	TEMP. (°F)
BLOWER OUTLET	6.71	27.5	23.4	6.1	43	92
BLOWER INLET	-28.21	27.3	23.7	6	43	67
FLARE TEMPERATURE (°F):	448	FLOW	726.7 SCFM			
BLOWER INLET BEARING (°F):	86	<b>COMMENTS:</b>				
BLOWER OUTLET BEARING (°F):	94					
BLOWER AMPS	26.6					
BLOWER HOURS	17876					
ACCUMULATED FLOW TOTAL (SCF)	717797					

**CONDENSATE COLLECTION SYSTEM:**

**CONDENSATE STORAGE:**

Sump	Total Depth (FT)	Depth to Liquid (FT)	Depth of Liquid (FT)	Depth when need pumping	Was it Pumped Yes/No	Comments:
Flare Yard	13.00	12.60	0.40	8.00	N	
CT-1	15.00	14.55	0.45	8.00	N	
CT-2	18.00	16.00	2.00	8.00	N	
CT-3	18.00	13.50	4.50	8.00	N	
CT-4	22.50	18.00	4.50	8.00	N	
CT-5	20.00	19.85	0.15	8.00	N	
CT-6	15.00	13.50	1.50	8.00	N	

**MAINTENANCE NOTES:**

**YES/NO**

**YES/NO**

DRAINED FLAME ARRESTOR VALVES	NO	DRAINED KNOCKOUT POT	NO
DRAINED APTIM FLARE STACK	NO	IS THE BFS VEGETATION HIGH	NO
DRAINED BACKUP FLARE STACK	NO	ANY SIGNS OF LEAKAGE OR ODORS	NO

**COMMENTS:**

# OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT

**LOCATION:** Oaks/ Montgomery County Landfill

**INSPECTION DATE:** 07/10/2023

**TECHNICIAN:** J. Guice

<b>SECURITY &amp; ACCESS</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter/debris on-site		X	
Fence in good condition		X	

<b>COVER &amp; VEGETATION</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Settling of cap		X	
Dead vegetation		X	
Erosion on cap system		X	
Erosion on side slopes		X	
Ponding of water on cap	X		
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

<b>LFG SYSTEM</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Extraction wells in good condition	X		
Probes in good condition	X		
Flare/Blower station secured	X		

**ADDITIONAL COMMENTS:**

# SCS FIELD SERVICES

## BLOWER/FLARE STATION REPORT OAKS MONTGOMERY COUNTY LANDFILL

DATE: 07/17/2023  
MONITORED BY: J. Guice  
CONTACT: Jamie Foster

TIME STARTED: 1130  
TIME COMPLETED: 1530  
INSTRUMENT: Landtec GEM 5000

**WEATHER CONDITIONS:**

AMBIENT TEMPERATURE:	89°F	CURRENT CONDITIONS:	Cloudy
BAROMETRIC PRESSURE:	29.96	WIND:	W @ 6 mph

**BLOWER / FLARE FACILITY:**

MONITORING POINT	PRESS/VAC ("WC)	% CH4	% CO2	% O2	% BALANCE	TEMP. (°F)
BLOWER OUTLET	6.89	25	21.8	6.9	46.3	99
BLOWER INLET	-27.73	24.8	22	6.8	46.4	70
FLARE TEMPERATURE (°F):	641	FLOW	710.5 SCFM			
BLOWER INLET BEARING (°F):	97	<b>COMMENTS:</b>				
BLOWER OUTLET BEARING (°F):	109					
BLOWER AMPS	26.9					
BLOWER HOURS	18047					
ACCUMULATED FLOW TOTAL (SCF)	724885					

**CONDENSATE COLLECTION SYSTEM:**

**CONDENSATE STORAGE:**

Sump	Total Depth (FT)	Depth to Liquid (FT)	Depth of Liquid (FT)	Depth when need pumping	Was it Pumped Yes/No	Comments:
Flare Yard	13.00	12.65	0.35	8.00	N	
CT-1	15.00	14.55	0.45	8.00	N	
CT-2	18.00	15.35	2.65	8.00	N	
CT-3	18.00	12.30	5.70	8.00	N	
CT-4	22.50	16.75	5.75	8.00	N	
CT-5	20.00	19.80	0.20	8.00	N	
CT-6	15.00	13.15	1.85	8.00	N	

**MAINTENANCE NOTES:**

**YES/NO**

**YES/NO**

DRAINED FLAME ARRESTOR VALVES	NO	DRAINED KNOCKOUT POT	NO
DRAINED APTIM FLARE STACK	NO	IS THE BFS VEGETATION HIGH	NO
DRAINED BACKUP FLARE STACK	NO	ANY SIGNS OF LEAKAGE OR ODORS	NO

**COMMENTS:**

# OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT

**LOCATION:** Oaks/ Montgomery County Landfill

**INSPECTION DATE:** 07/17/2023

**TECHNICIAN:** J. Guice

<b>SECURITY &amp; ACCESS</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter/debris on-site		X	
Fence in good condition		X	

<b>COVER &amp; VEGETATION</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Settling of cap		X	
Dead vegetation		X	
Erosion on cap system		X	
Erosion on side slopes		X	
Ponding of water on cap	X		
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

<b>LFG SYSTEM</b>	<b>YES</b>	<b>NO</b>	<b>COMMENTS</b>
Extraction wells in good condition	X		
Probes in good condition	X		
Flare/Blower station secured	X		

<b>ADDITIONAL COMMENTS:</b>          
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# SCS FIELD SERVICES

## BLOWER/FLARE STATION REPORT OAKS MONTGOMERY COUNTY LANDFILL

DATE: 07/25/2023  
MONITORED BY: J. Guice  
CONTACT: Jamie Foster

TIME STARTED: 0800  
TIME COMPLETED: 1600  
INSTRUMENT: Landtec GEM 5000

**WEATHER CONDITIONS:**

AMBIENT TEMPERATURE:	85°F	CURRENT CONDITIONS:	Cloudy
BAROMETRIC PRESSURE:	30.09	WIND:	S @ 4 mph

**BLOWER / FLARE FACILITY:**

MONITORING POINT	PRESS/VAC ("WC)	% CH4	% CO2	% O2	% BALANCE	TEMP. (°F)
BLOWER OUTLET	6.97	25.6	21.6	5.8	47	100
BLOWER INLET	-26.55	25.5	23.1	5.9	45.5	70
FLARE TEMPERATURE (°F):	570	FLOW	726.2 SCFM			
BLOWER INLET BEARING (°F):	103	<b>COMMENTS:</b>				
BLOWER OUTLET BEARING (°F):	113					
BLOWER AMPS	27.3					
BLOWER HOURS	18240					
ACCUMULATED FLOW TOTAL (SCF)	732920					

**CONDENSATE COLLECTION SYSTEM:**

**CONDENSATE STORAGE:**

Sump	Total Depth (FT)	Depth to Liquid (FT)	Depth of Liquid (FT)	Depth when need pumping	Was it Pumped Yes/No	Comments:
Flare Yard	13.00	12.55	0.45	8.00	N	
CT-1	15.00	14.50	0.50	8.00	N	
CT-2	18.00	14.60	3.40	8.00	N	
CT-3	18.00	10.90	7.10	8.00	N	
CT-4	22.50	15.20	7.30	8.00	N	
CT-5	20.00	19.75	0.25	8.00	N	
CT-6	15.00	12.85	2.15	8.00	N	

**MAINTENANCE NOTES:**

**YES/NO**

**YES/NO**

DRAINED FLAME ARRESTOR VALVES	NO	DRAINED KNOCKOUT POT	NO
DRAINED APTIM FLARE STACK	NO	IS THE BFS VEGETATION HIGH	NO
DRAINED BACKUP FLARE STACK	NO	ANY SIGNS OF LEAKAGE OR ODORS	NO

**COMMENTS:**

# OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT

**LOCATION:** Oaks/ Montgomery County Landfill

**INSPECTION DATE:** 07/25/2023

**TECHNICIAN:** J. Guice

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter/debris on-site		X	
Fence in good condition	X		Gate by MW08 has been repaired, but needs a lock

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Dead vegetation		X	
Erosion on cap system		X	
Erosion on side slopes		X	
Ponding of water on cap	X		
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Probes in good condition	X		
Flare/Blower station secured	X		

<b>ADDITIONAL COMMENTS:</b>          
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# SCS FIELD SERVICES

## BLOWER/FLARE STATION REPORT OAKS MONTGOMERY COUNTY LANDFILL

DATE: 07/31/2023  
MONITORED BY: J. Guice  
CONTACT: Jamie Foster

TIME STARTED: 0800  
TIME COMPLETED: 1230  
INSTRUMENT: Landtec GEM 5000

**WEATHER CONDITIONS:**

AMBIENT TEMPERATURE:	84°F	CURRENT CONDITIONS:	Clear
BAROMETRIC PRESSURE:	30.02	WIND:	NW @ 5 mph

**BLOWER / FLARE FACILITY:**

MONITORING POINT	PRESS/VAC ("WC)	% CH4	% CO2	% O2	% BALANCE	TEMP. (°F)
BLOWER OUTLET	7.21	25.4	22.2	6.7	45.7	94
BLOWER INLET	-26.48	25.3	22.3	6.7	45.7	69
FLARE TEMPERATURE (°F):	525	FLOW	738.9 SCFM			
BLOWER INLET BEARING (°F):	86	<b>COMMENTS:</b>				
BLOWER OUTLET BEARING (°F):	95					
BLOWER AMPS	27.2					
BLOWER HOURS	18379					
ACCUMULATED FLOW TOTAL (SCF)	738689					

**CONDENSATE COLLECTION SYSTEM:**

**CONDENSATE STORAGE:**

Sump	Total Depth (FT)	Depth to Liquid (FT)	Depth of Liquid (FT)	Depth when need pumping	Was it Pumped Yes/No	Comments:
Flare Yard	13.00	12.45	0.55	8.00	N	
CT-1	15.00	14.35	0.65	8.00	N	
CT-2	18.00	14.10	3.90	8.00	N	
CT-3	18.00	9.90	8.10	8.00	N	
CT-4	22.50	14.60	7.90	8.00	N	
CT-5	20.00	19.75	0.25	8.00	N	
CT-6	15.00	12.60	2.40	8.00	N	

**MAINTENANCE NOTES:**

**YES/NO**

**YES/NO**

DRAINED FLAME ARRESTOR VALVES	NO	DRAINED KNOCKOUT POT	NO
DRAINED APTIM FLARE STACK	NO	IS THE BFS VEGETATION HIGH	NO
DRAINED BACKUP FLARE STACK	NO	ANY SIGNS OF LEAKAGE OR ODORS	NO

**COMMENTS:**

CT sump pumping has been scheduled for 08/02/2023.

# OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT

**LOCATION:** Oaks/ Montgomery County Landfill

**INSPECTION DATE:** 07/31/2023

**TECHNICIAN:** J. Guice

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter/debris on-site		X	
Fence in good condition	X		

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Dead vegetation		X	
Erosion on cap system		X	
Erosion on side slopes		X	
Ponding of water on cap	X		
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Probes in good condition	X		
Flare/Blower station secured	X		

**ADDITIONAL COMMENTS:**

An excavator has been brought to the top of the hill, presumably to alleviate the standing water issues.

# SCS FIELD SERVICES

## BLOWER/FLARE STATION REPORT OAKS MONTGOMERY COUNTY LANDFILL

DATE: 07/05/2023  
MONITORED BY: K. Scott  
CONTACT: Jamie Foster

TIME STARTED: 0700  
TIME COMPLETED: 1500  
INSTRUMENT: Landtec GEM 5000

**WEATHER CONDITIONS:**

AMBIENT TEMPERATURE:	89F	CURRENT CONDITIONS:	Cloudy
BAROMETRIC PRESSURE:	30.01	WIND:	SE @ 4 mph

**BLOWER / FLARE FACILITY:**

MONITORING POINT	PRESS/VAC ("WC)	% CH4	% CO2	% O2	% BALANCE	TEMP. (°F)
BLOWER OUTLET	6.51	25.2	20.7	6.2	47.9	100
BLOWER INLET	-24.09	24.9	22.4	6	46.7	68
FLARE TEMPERATURE (°F):	613	FLOW (SCFM)	700.6			
BLOWER INLET BEARING (°F):	100	<b>COMMENTS:</b>				
BLOWER OUTLET BEARING (°F):	110					
BLOWER AMPS	26.6					
BLOWER HOURS	17759.2					
ACCUMALATED FLOW TOTAL	712900					

**CONDENSATE COLLECTION SYSTEM:**

**CONDENSATE STORAGE:**

Sump	Total Depth (FT)	Depth to Liquid (FT)	Depth of Liquid (FT)	Depth when need pumping	Was it Pumped Yes/No	Comments:
Flare Yard	14.00	12.65	1.35	8.00	N	
CT-1	15.00	14.50	0.50	8.00	N	
CT-2	18.00	16.50	1.50	8.00	N	
CT-3	18.00	14.65	3.35	8.00	N	
CT-4	22.50	18.90	3.60	8.00	N	
CT-5	20.00	19.85	0.15	8.00	N	
CT-6	15.00	13.70	1.30	8.00	N	

**MAINTENANCE NOTES:**

**YES/NO**

**YES/NO**

DRAINED FLAME ARRESTOR VALVES	NO	DRAINED KNOCKOUT POT	NO
DRAINED APTIM FLARE STACK	NO	IS THE BFS VEGETATION HIGH	NO
DRAINED BACKUP FLARE STACK	NO	ANY SIGNS OF LEAKAGE OR ODORS	NO

**COMMENTS:**

# OPERATIONS AND MAINTENANCE SITE INSPECTION REPORT

**LOCATION:** Oaks/ Montgomery County Landfill

**INSPECTION DATE:** 07/05/2023

**TECHNICIAN:** K. Scott

SECURITY & ACCESS	YES	NO	COMMENTS
Entrance locked and secured	X		
Signs clearly posted	X		
Evidence of trespassing		X	
Litter/debris on-site		X	
Fence in good condition		X	Broken and unlocked fence near probe MW8A

COVER & VEGETATION	YES	NO	COMMENTS
Settling of cap		X	
Dead vegetation		X	
Erosion on cap system		X	
Erosion on side slopes		X	
Ponding of water on cap	X		
Surface cracking		X	
Acceptable vegetation	X		
Exposed waste		X	

LFG SYSTEM	YES	NO	COMMENTS
Extraction wells in good condition	X		
Probes in good condition	X		
Flare/Blower station secured	X		

<b>ADDITIONAL COMMENTS:</b>
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