

AGENDA
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
August 10th, 2021
6:00 p.m.
LOUDON CITY MUNICIPAL BUILDING
Loudon, Tennessee

1. Opening of Meeting, Pledge of Allegiance, Invocation
2. Approval of Minutes – July 13th, 2021
3. Approval of August Agenda
4. Items of Public Concern-A 10-minute guideline is requested for items of public concern.
5. Attorney's Report – *By Law Change*
6. Cash Activity Report
7. Operations Report (customer activity report will be available upon request)
8. Phase Closure Plan Report Update
9. Chairman's Report:
 1. Invoices
10. Old Business:
 1. Questionnaire – Chairman Brewster
11. New Business: No New Business

Adjourn

MINUTES
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
JULY 13, 2021

The Loudon County Solid Waste Disposal Commission met on July 13th, 2021 at 6:30 p.m. at the Loudon County Courthouse Annex. The Commission was represented by Chairwoman Ms. Kelly Littleton-Brewster, Ms. Pat Hunter, Ms. Tammi Bivens, Mr. Larry Jameson, Mr. Art Stewart, Mr. Terry Small and Mr. Steve Field. Other attendees included Attorney Mr. Kevin Stevens; Republic/Santek representatives included Mr. Ben Johnston, Mr. Adam Hall and Ms. Shelby Boyer; Public attendees included Richard Anklin.

Chairwoman Ms. Kelly Littleton-Brewster called the meeting to order at 6:30 p.m.

Mr. Larry Jameson led the room in the Pledge of Allegiance and the prayer.

Ms. Pat Hunter presented the Commission with an amended version of the May 11th, 2021, minutes. After watching video footage, Ms. Hunter amended and corrected the May minutes as she felt they required further detail. As a general suggestion, Ms. Hunter requested that the minutes contain a header on each page, numbered pages, as well as a date, time, and location for the next regular scheduled meeting. The Commission reviewed the amended May Minutes.

MOTION: Chairwoman Ms. Brewster asked for a motion on the approval of the amended May minutes. Ms. Hunter made a motion and Mr. Field seconded the motion. The amended minutes were approved unanimously. Mr. Jameson abstained as he was not present for the May meeting.

MOTION: Ms. Hunter made a motion to amend the June minutes, noting that the Bylaws specifically state that any corrections or additions made to the minutes must be made in public.

MOTION: Chairwoman Ms. Littleton-Brewster asked for a motion to accept the amended June minutes. Mr. Stewart made a motion and Ms. Hunter seconded the motion. The motion passed unanimously.

MOTION: Chairwoman Ms. Littleton-Brewster asked for a motion to approve the July agenda. Mr. Jameson made a motion and Ms. Bivens seconded the motion. The motion passed unanimously.

During items of public concern, Mr. Anklin stated that he had concerns with the 10-minute guideline recently added to the agenda for public comments. Ms. Littleton-Brewster stated that the guideline was added to the agenda exactly as it was voted on in the June meeting, and emphasized the 10-minute guideline was to be a recommendation and not strict rule.

Also, during the items of public concern, Mr. Ankin passed out a "LCSWDC Plan for the Future" summary, which included a chart on the final page proposing four different scenarios for review and consideration by the Commission. Mr. Anklin stated that this survey, or one like it, would be beneficial for the LCSWDC in charting a path forward on what the Commission plans to do in 2027 at the end of the current Contract. Additionally, Mr. Anklin stated that he received notification from the Tellico Village PWD that his waste service bill will now be coming from Republic Services. Mr. Anklin stated that he hopes this change doesn't affect the residents of Tellico Village, which make up a large part of the customer base in Loudon.

During the Attorney's Report, Mr. Kevin Stevens stated that he has been working with Dr. Bachus on the closure and post closure landfill analysis, particularly the phased closure portion of the plan. Mr. Stevens

MINUTES
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
JULY 13, 2021

stated that Dr. Bachus prepared a draft analysis that he circulated amongst the Commission, and that Dr. Bachus has made revisions to the analysis following the Commission's preliminary comments. Mr. Stevens stated that Chairwoman Littleton-Brewster decided it would be beneficial to have a workshop specifically for Dr. Bachus to attend. Mr. Stevens stated that a special called meeting has been scheduled for July 22 at 6:30 p.m. at the Loudon County Courthouse Annex, so Dr. Bachus can review his analysis. Mr. Stevens requested that any questions for Dr. Bachus be submitted to him beforehand, so we can make the most of our time with Dr. Bachus.

In addition, Mr. Stevens stated that the request to TDEC for an extension on the closure and post closure plan has been granted until August 30th, 2021, giving the Commission time between Dr. Bachus' presentation and the submission date to discuss and finalize. Mr. Stevens reminded the Commission that the closure and post closure plan submitted to TDEC will be based on the current permitted footprint, which is likely to change again before the end of the current Contract.

Ms. Boyer presented the cash activity report for the months of May and June, as the report for May was not available during the June operating review. Ms. Boyer also presented the Commission with the operations reports as outlined in the packets distributed to the Commission. Mr. Jameson stated that at one point the volume from Kimberly Clark was being brought to the Matlock Bend Landfill. Mr. Jameson said when their disposal contract ends, he would like to see the sales team at Republic investigate having this volume brought back to the Landfill if it is economical. Pertaining to the inspection, Mr. Hall stated that the area of concern for line item 8110-litter, was inside the gate and has been addressed. In regard to the operation of the landfill, Ms. Hunter asked Mr. Hall the number of employees and their job duties. Mr. Hall stated that there are 11 total employees, including himself. Mr. Hall stated that the current number of employees is the right amount to stay below budget while keeping the Landfill running efficiently.

During the Chairman's Report, Ms. Littleton-Brewster presented The Commission with the attorney's invoice for June as well as the finance statements for the employee category and Commissioner attendance. Ms. Littleton-Brewster stated that Ms. Susan Huskey is in the process of ordering the laptop for the Chairwoman's use, and that invoice will be submitted to the Commission for review when it is available. Ms. Hunter asked if invoices needed to be approved. Mr. Stevens and Ms. Littleton-Brewster stated that these expenses are covered by existing contracts in place that were previously approved. Mr. Stevens stated that there is no current invoice for Dr. Bachus' assistance and there is no cap set for his services.

During the order of Old Business, Ms. Hunter stated that she needs more assistance with the budget than what the auditor is giving her. Mr. Stevens stated that he will reach out to Mr. Hill to address providing Ms. Hunter with more assistance. Ms. Hunter stated that she would like to seek proposals for a new auditor and would like to place into consideration a budget for audit assistance.

In addition, Ms. Littleton-Brewster stated that the Planning Commission was not willing to move their desired meeting time, leaving the options for the LCSWDC to move locations or change dates.

MOTION: Mr. Jameson made a motion to move LCSWDC monthly meeting to the Loudon City building at 6 p.m. on the second Tuesday of the month, with public notifications to follow. Mr. Stewart seconded this motion.

MINUTES
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
JULY 13, 2021

Mr. Field stated that moving the meeting to a later date in the month may allow more time for the paperwork to be submitted earlier. Ms. Littleton- Brewster stated that she asked and that there would be no difference in the timeliness of the financial report. Mr. Jameson and Ms. Littleton-Brewster stated that there is already an improvement in the timeliness of packets.

MOTION: Mr. Stevens proposed moving forward with an amendment the Bylaws to accommodate for the change in location of the meeting. The motion passed 6 to 1, Ms. Hunter stating "no."

Mr. Stevens will prepare a draft amendment to the Bylaws for approval next meeting.

Ms. Littleton-Brewster stated there is no New Business to discuss.

MOTION: Ms. Bivens made a motion to adjourn. Mr. Jameson seconded the motion.

The next Loudon County Solid Waste Disposal Commission meeting will be held August 10, 2021, at 6 p.m. at the Loudon City Building

Respectfully submitted,

Kelly Littleton-Brewster

Loudon County Solid Waste Disposal Commission

Loudon County Department of Accounts and Budgets
Solid Waste Disposal Fund 207
Monthly Cash Report
July 2021

June 2021 Combined Ending Cash Balance per Monthly Report	4,489,932.97
Adjustments:	
0.00	0.00
0.00	0.00
Total Adjustments	0.00
Adjusted June 2020 Combined Ending Balance per Loudon Co Trustee	4,489,932.97

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance June 2021	4,432,359.60
Cash Receipts:	
Surcharge - Host Fees (June 2021 In-Transit)	12,889.78
Surcharge - Security Fees (June 2021 In-Transit)	16,274.98
Investment Income (June 2021 In-Transit)	1,252.27
Total Monthly Revenue	30,417.03
Cash Disbursements:	
Board & Committee Members Fees (June Payable)	(350.00)
Social Security (June Payable)	(3.10)
Employer Medicare (June Payable)	(0.72)
Audit Services (Mitchell Emert & Hill)	
Contracts with Private Agencies (Santek)	
Engineering Services (Santek)	
Contributions (Loudon Utilities - Quarterly)	
Legal Services (Kennerly - June Payable)	(2,500.00)
Legal Notices	
Other Contracted Services (Mowing)	
Building & Content Insurance	(4,398.00)
In-Service/Staff Development	
Trustee's Commission (June 2021)	(154.86)
Total Cash Disbursements	(7,406.68)
Expenditure Credit:	
Trustee Commission Adjustment	0.00
<u>Operating Fund Ending Balance July 2021</u>	4,455,369.95

Poplar Springs Subfund

Poplar Springs Subfund Balance June 2021	57,573.37
Cash Receipts:	
Investment Income (June 2021 In-Transit)	16.27
Total Monthly Revenue	16.27
Cash Disbursements:	
Engineering Services	0.00
Trustee's Commission (June 2021)	(2.01)
Total Cash Disbursements	(2.01)
<u>Poplar Springs Subfund Balance July 2021</u>	57,587.63

TOTAL COMBINED OPERATING AND POPLAR SPRINGS JULY 2021 BALANCE **4,512,957.58**

Combined Summary - July 2021

Beginning Balance	4,489,932.97
Plus Operating Revenue	30,433.30
Less Operating and Poplar Springs Disbursements	(7,408.69)
TOTAL COMBINED BALANCE - JULY 2021	4,512,957.58

NOTE: Accounting Dept did not have Trustee's July report at the time of preparation. The August report will include this information.



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(423) 303-7101

Email: info@santekwasteservices.com
Internet: santekwasteservices.com

Monthly Operations Report
Matlock Bend Landfill
August 10, 2021

Presented by:
Santek Environmental, Inc.

- I. OPERATIONS**
 - A. Tonnage Report
 - B. Customer Report
 - C. Inspection
 - D. Materials Classification Report
 - E. Waste Characterization Report
 - F. Tire Report

- II. AIRSPACE UTILIZATION SCHEDULE**

- III. HOST & SECURITY FEES**

LANDFILL TONNAGE VOLUME
MONTH ENDING -
July 2021

MATLOCK BEND LANDFILL

MONTH	2020	2021	2020 TO 2021
JANUARY	15,673.95	8,840.41	(6,833.54)
FEBRUARY	14,263.17	8,969.07	(5,294.10)
MARCH	16,251.35	11,681.92	(4,569.43)
APRIL	9,791.81	11,278.36	1,486.55
MAY	10,315.74	11,373.25	1,057.51
JUNE	10,928.67	11,547.60	618.93
JULY	10,480.52	11,145.42	664.90
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	87,705.21	74,836.03	(12,869.18)
% of TOTAL VOLUME		100%	

**DAILY AVG FOR ANY
 RUNNING 30 DAY PERIOD** **371.51**

CITY OF LOUDON

MONTH	2020	2021	2020 TO 2021
JANUARY	457.31	409.09	(48.22)
FEBRUARY	391.61	385.74	(5.87)
MARCH	486.81	527.85	41.04
APRIL	492.81	510.31	17.50
MAY	488.38	476.11	(12.27)
JUNE	494.58	503.39	8.81
JULY	498.94	522.94	24.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,310.44	3,335.43	24.99
% of TOTAL VOLUME		4.5%	

LOUDON COUNTY

MONTH	2020	2021	2020 TO 2021
JANUARY	514.88	522.80	7.92
FEBRUARY	455.37	470.64	15.27
MARCH	598.09	559.14	(38.95)
APRIL	635.96	522.20	(113.76)
MAY	586.33	591.94	5.61
JUNE	595.84	552.78	(43.06)
JULY	577.99	591.98	13.99
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,964.46	3,811.48	(152.98)
% of TOTAL VOLUME		5.1%	

**DAILY AVG FOR 22.5
 DAY PERIOD** **495.35**

WASTE SERVICES OF TN

MONTH	2020	2021	2020 TO 2021
JANUARY	3,339.43	2,902.11	(437.32)
FEBRUARY	2,998.43	2,736.69	(261.74)
MARCH	3,467.07	3,535.60	68.53
APRIL	3,382.68	3,551.64	168.96
MAY	3,550.36	3,471.38	(78.98)
JUNE	3,527.18	3,595.06	67.88
JULY	3,667.57	3,608.65	(58.92)
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	23,932.72	23,401.13	(531.59)
% of TOTAL VOLUME		31.3%	

LENOIR CITY

MONTH	2020	2021	2020 TO 2021
JANUARY	375.20	452.91	77.71
FEBRUARY	339.26	359.23	19.97
MARCH	472.11	479.10	6.99
APRIL	564.05	467.77	(96.28)
MAY	452.37	421.37	(31.00)
JUNE	471.63	496.86	25.23
JULY	513.08	500.08	(13.00)
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,187.70	3,177.32	(10.38)
% of TOTAL VOLUME		4.2%	

WASTE MANAGEMENT KNOXVILLE

MONTH	2020	2021	2020 TO 2021
TN Trash 2020 Jan-May			
JANUARY	1,045.82	2,050.17	1,004.35
FEBRUARY	1,608.55	2,003.86	395.31
MARCH	2,424.09	2,367.36	(56.73)
APRIL	1,675.72	2,118.86	443.14
MAY	2,373.62	2,486.21	112.59
JUNE	2,549.31	2,840.18	290.87
JULY	2,527.15	2,228.29	(298.86)
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	14,204.26	16,094.93	1,890.67
% of TOTAL VOLUME		21.5%	

LANDFILL TONNAGE VOLUME
MONTH ENDING -
July 2021

All Others

MONTH	2020	2021	2020 TO 2021
JANUARY	9,941.31	2,503.33	(7,437.98)
FEBRUARY	8,469.95	3,012.91	(5,457.04)
MARCH	8,803.18	4,212.87	(4,590.31)
APRIL	3,040.59	4,107.58	1,066.99
MAY	2,864.68	3,926.24	1,061.56
JUNE	3,290.13	3,559.33	269.20
JULY	2,695.79	3,693.48	997.69
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	39,105.63	25,015.74	(14,089.89)
% of TOTAL VOLUME		33.4%	

**TENNESSEE DIVISION OF SOLID WASTE MANAGEMENT
CLASS I FACILITY INSPECTION DOCUMENT**

**CLASS I
FACILITY**

Initial Inspection

SITE	DATE	TIME	WEATHER
Loudon County Landfill SNL530000203 21712 Highway 72 North Loudon	8/5/2021	10:30	75 F sunny

EFO
KNOX

*SEE DISCLAIMER ON LAST PAGE

VIOLATION	REGULATION	OBSERVATION			
		NVO	AOC	V1	V2

BUFFER ZONE STANDARDS FOR SITING LANDFILLS

8310	BUFFER ZONE STANDARD VIOLATED	0400-11-01-.04(3)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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COLLECTED LEACHATE

8330	LEACHATE IMPROPERLY MANAGED	0400-11-01-.04(4)(a)8(i-iii)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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8340	INADEQUATE LEACHATE COLLECTION SYSTEM	0400-11-01-.04(4)(a)7	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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COMMUNICATIONS

8130	NO COMMUNICATION DEVICES	0400-11-01-.04(2)(f)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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COVER MATERIAL

8160	UNAVAILABILITY OF COVER MATERIAL.	0400-11-01-.04(2)(h)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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DEAD ANIMALS

8250	DEAD ANIMALS IMPROPERLY HANDLED	0400-11-01-.04(2)(k)5.(ii) (I-III)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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DUST CONTROL

8190	INADEQUATE DUST CONTROL	0400-11-01-.04(2)(j)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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COMMENTS	
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DUTY TO PROVIDE INFORMATION

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2				
DUTY TO PROVIDE INFORMATION							
8530	UNSATISFACTORY RECORDS OR REPORTS	SEE CITATION LIST LAST PAGE	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8590	PERMITS, PLANS, OPERATING MANUAL NOT AVAILABLE	0400-11-01-.02(5)(a)(7)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
FIRE SAFETY							
8080	EVIDENCE OF OPEN BURNING	0400-11-01-.04(2)(c)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8090	INADEQUATE FIRE PROTECTION	0400-11-01-.04(2)(c)2	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
GAS MIGRATION CONTROL STANDARDS							
8380	INADEQUATE GAS MIGRATION CONTROL SYSTEM	0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8390	INADEQUATE MAINTENANCE OF GAS MIGRATION CONTROL SYSTEM	0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
GENERAL FACILITY STANDARDS							
8010	INADEQUATE VECTOR CONTROL	0400-11-01-.04(2)(a)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8020	ACCESS NOT LIMITED TO OPERATING HOURS	0400-11-01-.04(2)(a)4	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8030	INADEQUATE ARTIFICIAL OR NATURAL BARRIER	0400-11-01-.04(2)(b)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2				
GENERAL FACILITY STANDARDS							
8040	INADEQUATE INFORMATION SIGNS	0400-11-01-.04(2)(b)2 TCA 68-211-703(h)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8050	UNSATISFACTORY ACCESS ROAD(S)/PARKING AREA(S)	0400-11-01-.04(2)(b)3	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8060	CERTIFIED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8070	UNAPPROVED SALVAGING OF WASTE	0400-11-01-.04(2)(b)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
LITTER CONTROL							
8110	UNSATISFACTORY LITTER CONTROL	0400-11-01-.04(2)(d)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
OPERATING EQUIPMENT							
8140	INADEQUATE OPERATING EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8150	UNAVAILABILITY OF BACKUP EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
OVERALL PERFORMANCE STANDARD							
8270	EXPOSED SOLID WASTE	0400-11-01-.04(2)(a)(3)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							
8320	INADEQUATE MAINTENANCE OF LEACHATE MANAGEMENT SYSTEM (INSPECTOR TO CHECK AND RECORD LEACHATE LEVELS AT EVERY LANDFILL SUMP)	0400-11-01-.04(2)(a)(3) 0400-11-01-.04(4)(a)7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS							

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
OVERALL PERFORMANCE STANDARD						
8350	LEACHATE OBSERVED AT THE SITE	0400-11-01-.04(2)(a)(3) 0400-11-01-.04(4)(a)6,	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8360	LEACHATE ENTERING RUN-OFF	0400-11-01-.04(2)(a)(3) 0400-11-01-.04(4)(a)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8370	LEACHATE ENTERING A WATER COURSE	0400-11-01-.04(2)(a)(3) 0400-11-01-.04(4)(a)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8420	POTENTIAL FOR EXPLOSIONS OR UNCONTROLLED FIRES	0400-11-01-.04(2)(a)2 0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8490	EXCESSIVE POOLING OF WATER	(CLOSURE/POST)0400-11-01-.04(2)(a)3 0400-11-01-.04(8)(c)4(iii) (ACTIVE) 0400-11-01-04(9)(b)1(ix)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8520	DUMPING OF WASTE INTO WATER	0400-11-01-.04 (2)(a)3	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
PERMANENT BENCHMARK						
8280	NO PERMANENT BENCHMARK	0400-11-01-.04(2)(o)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
PERSONNEL SERVICES						
8120	INADEQUATE EMPLOYEE FACILITIES	0400-11-01-.04(2)(e)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
PROPER OPERATION AND MAINTENANCE						
8540	GROUNDWATER MONITORING SYSTEM IMPROPERLY MAINTAINED	0400-11-01-.02(5)(a)4	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS	Locks have been replaced since July's inspection. Photos were provided in July to document this, and locks were observed during today's inspection.					

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
RANDOM INSPECTION PROGRAM						
8290	INADEQUATE RANDOM INSPECTION PROGRAM	0400-11-01-.04(2)(s)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
RECORDS OF ORIGIN AND AMOUNT OF SOLID WASTE						
8610	NO OPERATING SCALES AND/OR FAILURE TO MAINTAIN WASTE RECORDS	TCA 68-211-862(a)(b)(1)(2)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
RUN-ON, RUN-OFF, AND EROSION CONTROL						
8170	INADEQUATE MAINTENANCE OF RUN-ON/ RUN-OFF SYSTEM(S)	0400-11-01-.04(2)(i)1-5 0400-11-01-.04(8)(c)4(i)	?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COMMENTS	See comments, p.8					
8180	INADEQUATE EROSION CONTROL	0400-11-01-.04(2)(i)6 0400-11-01-.04(8)(c)4(ii)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
SPECIAL WASTE APPROVAL PROCESS						
8300	MISHANDLING OF SPECIAL WASTE	0400-11-01-.01(4)(d)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
UNLAWFUL METHODS OF DISPOSAL						
8570	OPERATION DOES NOT CORRESPOND WITH ENGINEERING PLANS (EVALUATE AND RECORD THE APPROXIMATE INTERIOR AND EXTERIOR SLOPE OF THE LANDFILL)	TCA68-211-104(3) TCA 68-211-105(b)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
8580	OPERATION DOES NOT CORRESPOND WITH PERMIT CONDITIONS	TCA 68-211-104(3) 0400-11-01-.02(5)(a)(1)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
WASTE HANDLING AND COVER STANDARDS						
8430	WASTE NOT CONFINED TO A MANAGEABLE AREA	0400-11-01-.04(6)(a)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						

ADDITIONAL COMMENTS

Prior to doing the field aspect of the inspection, I reviewed paperwork in the scale house. All activities are well-documented, and records are kept in an organized manner in the office. I reviewed all the random inspections for the past month, daily records of leachate sump and flow meter readings, daily tonnage (total, and broken down by type of waste, specifically checking sludge volumes), groundwater monitoring reports, stormwater inspections (performed weekly at all three outfalls), and the operations manual.

There were no leachate seeps observed during today's inspection. The small seep observed during the July inspection has been repaired (photos were sent after repair completed) and that area still appeared dry.

The compactor has been repaired and was up and running today.

The pond clean-out is still in progress. I observed a lot of sediment accumulation - above the height of the water in the pond - in one spot where water enters the pond through a pipe, and to a lesser degree in a few other spots around the perimeter. Based on the stormwater outfall inspections at the pond though, it does not appear that the pond is releasing sediment at this time. During the July inspection a timeline of the end of August was discussed for completion of the pond clean-out. I will follow-up on this as part of my monthly inspection in early September.

Work is underway to address the flagging downslope of the working face. There is still flagging there, but I was told that once the current waste is completely covered with flaggy dirt, the flagging will be covered with cleaner dirt.

We discussed the low spots on the top of the post-closure section again during this inspection (also discussed last month). I haven't seen any water pooled in those spots during the July or August inspections, but they may hold water in wetter months. I am hoping to see this addressed before winter.

Vegetation is patchy on a lot of the slopes at the back of the landfill. This does not appear to be related to leachate or gas issues, most likely just due to seed not taking. In the areas that will see waste placement in the near future (<6 months), I am not as concerned about seeing vegetation established. In the areas that will not see waste placement for at least one growing season, efforts need to be made to get some vegetation established in the patchy areas. As this is not the time of year for planting, this is only an Area of Concern at the moment, but O/O needs to start planning now for fall planting. My understanding is that in the past the landfill has received compost from the neighboring mushroom facility, which has been helpful in encouraging growth. If possible, it may be helpful to try to get more of that material this fall. There is some grass growing now, but most of the vegetation on the backside of the landfill is brown (likely a winter variety?). Please look into some all-season blends of seed and/or some perennial grasses to attempt to have vegetation year-round, and to establish some self-sustaining vegetation, before the fall.

No violations observed today.

Matlock Bend Class I landfill – SNL 53-0203
Initial monthly inspection – 08/05/2021
Photolog



Bulldozer and compactor working on today's working face. Behind today's working face is tarped waste in the process of being covered with dirt – this is not part of today's active working face. Flagging visible in dirt being used as cover. Facility staff report that after waste is covered, flagging will also be covered with clean dirt.

The following two photos show the pond from left to right:





This photo also shows state of vegetative cover on slopes in the background. Vegetation is patchy.



Lots of sediment accumulation in some areas of the pond, such as this spot where water enters the pond through a pipe. Sediment here has accumulated above the water level in the pond. Pond clean-out is in progress. An approximate timeline of the end of August for completion of the cleaning was discussed during the July inspection.



Roughly rectangular area around new gas vents had young, green grass today. This corner of the landfill in general had some fresh grass growing among the winter rye (brown, dead-looking grass). (See photo below)



Young, healthy-looking grass on this corner and growing between stands of winter rye in some other spots on slope.



Mowing is in progress. These side slopes looked very nice. Grass was a good height, and coverage was good. No vents or other infrastructure appeared to have been damaged during mowing.



Leachate head reading at sump was 23.8", which is in compliance.

Some examples of documents checked during paperwork review:



August 2021

Daily Totals

Date:	Daily Totals (tonnage)	C&D	MSW	Kimberly Clark	Waste Services (total of all 3)	Sludge	SPW	Petty Cash PM Total
1	548.23	108.50	379.92	2.51	161.05	0	49.85	550.50
2	517.51	70.14	326.94	5.34	169.71	37.98	54.26	550.50
3	↓							
4	565.34	109.62	310.60	3.40	172.68	31.47	57.76	550.80
5								
6								
7								
8								
9								
10								

08.05.2021

Daily tonnage totals, and totals broken down by type. Of special interest to me was the sludge volume. So far this month sludge has accounted for only 5%-10% of daily tonnage. Staff reported that they do not accept more than 12% per day.

Matlock Bend Landfill - Phase II & IV Upgrade
Facility / Operations Plan

Prepared For

Loudon County Solid Waste Disposal Commission
Loudon County, Tennessee

Prepared By

Santek Environmental, Inc.
650 25th St. NW, Suite 100
Cleveland, Tennessee 37311-5803

and

ADAMS CRAFT HERTZ WALKER, Inc.
106 Administration Road
Oak Ridge, Tennessee 37831-5834

Submitted To

Tennessee Department of Environment and Conservation
Division of Solid Waste Management

December 1990

09-05-2021

I thumbed through the operations manual, which is kept within reach of the scales and computer.



Beginning of the natural spring at the southern edge of the property.



Spring flow is directed to follow the curve of the road/driveway into the ditch (upper left).

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary July 2021

Material	Tonnage	2018 Sludge %		2019 Sludge %	
MSW					
MSW	9,377	January	4%	January	5%
		February	4%	February	5%
		March	5%	March	4%
		April	6%	April	4%
		May	8%	May	3%
		June	9%	June	6%
		July	6%	July	5%
		August	4%	August	4%
		September	2%	September	4%
		October	2%	October	3%
		November	5%	November	4%
		December	5%	December	7%
Special Waste					
Other	1,039				
Ash	0				
Sludge	734				
Total Special Waste	1,773				
Total MSW & SW	11,150				
2020 Sludge %					
		January	5%	January	7%
		February	4%	February	5%
		March	4%	March	5%
		April	4%	April	6%
		May	4%	May	6%
		June	5%	June	5%
		July	5%	July	7%
		August	6%	August	
		September	5%	September	
		October	3%	October	
		November	5%	November	
		December	7%	December	
Tires	28				
Total Material	11,178				
% MSW	84%				
% Special Waste	16%				
% Sludge *	7%				

* Sludge % is stand alone,
 % Special Waste includes "Sludge"

2021 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	7,073	7,276	9,502	9,384	8,316	9,633	9,377	0	0	0	0	0	60,561
Special Waste	1,767	1,693	2,180	1,894	1,697	1,915	1,773	0	0	0	0	0	12,919
Tires	30	22	39	59	36	49	28	0	0	0	0	0	263
Total	8,870	8,991	11,721	11,337	10,049	11,597	11,178	0	0	0	0	0	73,743
%													
MSW	80%	81%	81%	83%	83%	83%	84%						82%
Special Waste	20%	19%	19%	17%	17%	17%	16%						18%
Total	100%	100%	100%	100%	100%	100%	100%						100%

**2021-2022 Matlock Bend
Landfill Tire Report**

Month	Tonnage
Jul-21	32.44
Aug-21	
Sep-21	
Oct-21	
Nov-21	
Dec-21	
Jan-22	
Feb-22	
Mar-22	
Apr-22	
May-22	
Jun-22	
Total (tons)	32.44

Matlock Bend Landfill - Module E 2021 Airspace Projection / Construction Schedule

DATE	REMAINING AIRSPACE ¹ (CY)	MONTHLY TONNAGE	ACTUAL / PROJECTED ²	UTILIZATION FACTOR	MONTHLY VOLUME CONSUMED (CY)	ENDING MONTHLY REMAINING AIRSPACE (CY)
		11,289		1.37		
May 25, 2020	628,843	-	-	-	-	-
May 26-31, 2020	-	1,915	A	1.37	2,624	626,219
June	-	10,982	A	1.37	15,045	611,174
July	-	10,481	A	1.37	14,359	596,815
August	-	9,959	A	1.37	13,644	583,171
September	-	10,031	A	1.37	13,742	569,429
October	-	10,560	A	1.37	14,467	554,962
November	-	10,081	A	1.37	13,811	541,151
December	-	10,023	A	1.37	13,732	527,419
January '21	-	8,870	A	1.37	12,152	515,267
February	-	8,991	A	1.37	12,318	502,950
March	-	11,721	A	1.37	16,058	486,892
April	-	11,337	A	1.37	15,532	471,360
May	-	11,373	A	1.37	15,581	455,779
June	-	11,548	A	1.37	15,820	439,959
July	-	10,947	A	1.37	14,997	424,962
August	-	11,289	P	1.37	15,466	409,496
September	-	11,289	P	1.37	15,466	394,030
October	-	11,289	P	1.37	15,466	378,564
November	-	11,289	P	1.37	15,466	363,097
December	-	11,289	P	1.37	15,466	347,631

¹ = Remaining airspace based on May 25, 2020 aerial survey.

Full Date

November-2023

² = Projected tonnages are based on a 3 month average.

³ = Utilization rate based on the annual utilization rate per October 27, 2008 construction meeting (Avg. Utilization = 1.37 cy/ton)

Tonnage for Past 3 Months

May	11,373
June	11,548
July	10,947
Average	11,289



650 25th Street NW, Ste 100
Cleveland, TN 37311

Phone: (423) 303-7101
Toll Free: (800) 467-9160
www.santekenviro.com

August 1, 2021

Loudon County Solid Waste Disposal Commission
100 River Road
P.O. Box 351
Loudon, TN 37774

Dear Steve:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Santek agreed to pay the Commission a host fee and security fee as defined in the Agreement. The following recap reflects the calculation for the period June 1, 2021 to June 30, 2021:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$277,455.16
Host Fee Percentage	<u>3.96%</u>
	\$ 10,987.22
Minimum Fee	<u>\$ 10,572.50</u>
Security Fees (Greater of below) –	
Total Tonnage Received	11,145.42
Rate per ton	<u>\$ 1.00</u>
Total	\$ 11,145.42
Total Tip Fees Billed	\$277,455.16
Security Fee Percentage	<u>5.00%</u>
	<u>\$ 13,872.76</u>

Our checks in payment of the above fees have been remitted to the above address for the Commission. Should you have any questions or need additional information, please let me know.

Sincerely,

A handwritten signature in blue ink that reads "Jamie Miller". The signature is written in a cursive style.

Jamie Miller
Staff Accountant