

AGENDA
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
December 8, 2020
6:30 p.m.
LOUDON COUNTY COURTHOUSE ANNEX
Loudon, Tennessee

1. Opening of Meeting, Pledge of Allegiance, Invocation
2. Approval of Minutes – November 10, 2020
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Contract Modification Update
7. Green Waste/C&D Cell
8. Attorney's Report
9. Chairman's Report
10. Other Items of Commission's Consideration
11. Adjourn

Minutes

Loudon County Solid Waste Disposal Commission

November 10th, 2020

The Loudon County Solid Waste Disposal Commission met on November 10th, 2020 at 6:30 p.m. at the Loudon County Courthouse Annex. The Commission was represented by Steve Field, Art Stewart, John Watkins, Bruce Hamilton, and Larry Jameson. Other attendees included Attorney Kevin Stevens; SanteK representatives Ben Johnston, Kaitlyn Hampton, and Adam Hall; Tim Brewster and Pat Hunter.

Mr. Steve Field called the meeting to order at 6:30 p.m.

Mr. Larry Jameson led the Commission in the Pledge of Allegiance and invocation.

Mr. Kevin Stevens stated that the section of the October 13th, 2020 meeting minutes that addressed Loudon City's potential to conduct a feasibility study should be modified to include that the study would only be performed relative to the possibility of Loudon City operating the landfill in the future.

MOTION: Mr. Jameson made a motion to approve the amended minutes of October 13th, 2020. Mr. Art Stewart seconded the motion. The minutes were approved.

During Items of Public Concern, Ms. Pat Hunter stated that the March and April Operations Reports were missing from the meeting packets when the meetings resumed after being cancelled due to Covid-19. Ms. Hunter also stated that the Annual Airspace Calculation was missing from the meeting packets as well. Mr. Field stated that he would check into this.

In regards to the previous discussion of a potential green waste disposal site at the landfill, Ms. Hunter inquired whether the Board would be considering other potential green waste streams from all stakeholders. Mr. Field stated that all the stakeholders would be considered.

Ms. Hunter clarified certain information presented at the County Commission Meeting regarding SanteK's previous history of receiving more than 800 tons per day at the landfill for a brief time.

Ms. Hunter asked if the Contract Amendment should include specific language about the revenue that will be generated in return for the soil usage at the landfill. Mr. Field stated that the goal of the Contract language is not to specifically generate \$150,000 per year, but instead to end the term of the contract with about one million dollars in extra revenue.

Ms. Hunter asked where the current contract specifically states that the stakeholders must take their waste to the Loudon Landfill. Mr. Stevens stated that he would evaluate whether any provision in the contract contains such direction.

Mr. Tim Brewster stated that he feels like the contract extension is being pushed for approval too quickly without consideration for the City of Loudon.

Mr. Brewster also stated that he was informed by a SanteK representative that the landfill charges a \$30 fee per mattress due to the difficulty it creates for the landfill equipment. Mr. Johnston agreed to verify this information.

Ms. Hunter asked whether the Landfill Quarterly Origin Report for the landfill is reflective of a calendar year or a fiscal year. Mr. Field stated that the information is reflective of a calendar year.

Mr. Jameson raised significant concerns regarding the way the average annual tonnage volumes are reflected in the Quarterly Origin Reports, specifically relative to the difference when calculated based on 270 operational days versus 365 operational days.

MOTION: Mr. Jameson made a motion to table the discussion of modifying the Santek Contract Operating Agreement based upon concerns about the average annual tonnage volumes reflected in the Quarterly Origin Reports. Mr. Stewart seconded the motion. It passed unanimously.

Mr. Stevens agreed to distribute a document to propose contract language which would calculate an average tonnage based on operational days only.

Mr. Jameson was also concerned with the waste that is being brought to the landfill from outside of Loudon County. Mr. Jameson asked Mr. Ben Johnston about the rate that is charged for out of county waste being hauled by Santek. Mr. Johnston stated that he would verify this information and report back.

Ms. Kaitlyn Hampton presented the Cash Activity Report and the Operations Report for October 2020.

Mr. Johnston stated that the meeting packet contained the incorrect TDEC inspection. He agreed to add the correct inspection to next month's packet.

Mr. Stevens discussed the ongoing Contract Modification process. He stated that the stakeholders have not given any formal feedback since the special called meeting workshop that was held on September 29th, 2020.

Mr. Brewster stated that the City of Loudon has hired a civil engineer to look into the current contract as well as the contract amendment in order to provide a professional opinion with regards to the contract extension. Mr. Brewster stated that he does not know of a potential completion date at this time.

Mr. Johnston stated that he gathered information in regard to the potential for the landfill to supply an area for Loudon City, Loudon County, and Lenoir City to dispose of brush. He stated that the options are as follows: burning the brush; mulching the material; designating a clean-fill area.

Mr. Stewart agreed to investigate the possibility of green waste disposal options.

Mr. Johnston distributed a document which outlined the reasons as to why it would not be economically feasible to permit and construct a C&D landfill in Loudon. These reasons include a lack of sufficient C&D volume, limited landfill footprint, and the abundance of local competitors in the market.

Mr. Field presented the Chairman's Report and disclosed the regular monthly invoice from Kennerly Montgomery for legal fees totaling \$2,500.

MOTION: Mr. Jameson made a motion to adjourn the meeting at 8:07 p.m. and Mr. Bruce Hamilton seconded the motion. It passed unanimously.

The Commission's next scheduled meeting is December 8th, 2020 at 6:30 p.m. at the Loudon County Courthouse Annex.

Respectfully submitted,

Steve Field, Chairman
Loudon County Solid Waste Disposal Commission

DRAFT

Loudon County Department of Accounts and Budgets
Solid Waste Disposal Fund 207
Monthly Cash Report
November 2020

October 2020 Combined Ending Cash Balance per Monthly Report		4,294,536.87
Adjustments:		
Less October Trustee Commission	(156.60)	
	<u>0.00</u>	
Total Adjustments		<u>(156.60)</u>
Adjusted October 2020 Combined Ending Balance per Loudon Co Trustee		<u><u>4,294,380.27</u></u>

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance October 2020		4,237,411.39
Cash Receipts:		
Trustee's Collections - Prior Year	0	
Surcharge - Host Fees (October 2020)	10,572.50	
Surcharge - security Fees (October 2020)	13,346.35	
Investment Income - Proration based on % of balance	<u>0.00</u>	
Total Monthly Revenue		23,918.85
Cash Disbursements:		
Board & Committee Members Fees	(50.00)	
Social Security	(3.10)	
Medicare	(0.72)	
Audit Services (Mitchell Emert & Hill)		
Contracts with Private Agencies (Santek)		
Engineering Services (Santek)		
Contributions (Loudon Utilities - Quarterly)		
Legal Services (Oct 2019)	0.00	
Legal Notices	0.00	
Other Contracted Services (Mowing)		
Building & Content Insurance		
In-Service/Staff Development (Refund)		
Trustee's Commission - Proration = % of balance	<u>0.00</u>	
Total Cash Disbursements		(53.82)
Reconciling Item		
Check Voided & Re-issued		<u>0.00</u>
<u>Operating Fund Ending Balance November 2020</u>		<u><u>4,261,276.42</u></u>

Poplar Springs Subfund

Poplar Springs Subfund Balance October 2020		57,125.48
Cash Receipts:		
Investment Income - Proration based on % of balance	<u>0.00</u>	
Total Monthly Revenue		0.00
Cash Disbursements:		
Trustee's Commission - Proration = % of balance	0.00	
Total Cash Disbursements	<u>0.00</u>	<u>0.00</u>
<u>Poplar Springs Subfund Balance November 2020</u>		<u><u>57,125.48</u></u>

<u>TOTAL COMBINED OPERATING AND POPLAR SPRINGS NOVEMBER 2020 BALANCE</u>	<u><u>4,318,401.90</u></u>
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Combined Summary - November 2020	
Beginning Balance	4,294,380.27
Plus Operating Revenue	23,918.85
Less Operating and Poplar Springs Disbursements	(53.82)
TOTAL COMBINED BALANCE - NOVEMBER 2020	<u><u>4,318,245.30</u></u>

**NOTE: Accounting Dept did not have Trustee's November report at time of preparation.
Corrections will be reflected on the December report.**



650 25th Street, N.W., Suite 100
Cleveland, Tennessee 37311
(423) 303-7101

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

Monthly Operations Report
Matlock Bend Landfill
December 8, 2020

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 -
NOVEMBER 2020

MATLOCK BEND LANDFILL

MONTH	2019	2020	2019 TO 2020
JANUARY	13,578.63	15,673.95	2,095.32
FEBRUARY	11,770.32	14,263.17	2,492.85
MARCH	13,291.24	16,251.35	2,960.11
APRIL	14,140.50	9,791.81	(4,348.69)
MAY	14,366.28	10,315.74	(4,050.54)
JUNE	9,827.56	10,928.67	1,101.11
JULY	10,975.46	10,444.52	(530.94)
AUGUST	10,202.83	9,920.07	(282.76)
SEPTEMBER	10,883.70	9,975.37	(908.33)
OCTOBER	11,554.37	10,542.61	(1,011.76)
NOVEMBER	10,644.98	10,066.48	(578.50)
DECEMBER			0.00
TOTAL	131,235.87	128,173.74	(3,062.13)
% of TOTAL VOLUME		100%	

DAILY AVG FOR ANY
RUNNING 30 DAY PERIOD 335.55

LOUDON COUNTY

MONTH	2019	2020	2019 TO 2020
JANUARY	489.09	514.88	25.79
FEBRUARY	437.25	455.37	18.12
MARCH	527.14	598.09	70.95
APRIL	523.08	635.96	112.88
MAY	520.19	586.33	66.14
JUNE	527.77	595.84	68.07
JULY	581.24	578.33	(2.91)
AUGUST	505.05	598.49	93.44
SEPTEMBER	468.00	540.36	72.36
OCTOBER	537.94	545.82	7.88
NOVEMBER	556.90	520.90	(36.00)
DECEMBER			0.00
TOTAL	5,673.65	6,170.37	496.72
% of TOTAL VOLUME		4.8%	

DAILY AVG FOR 22.5
DAY PERIOD 447.40

LENOIR CITY

MONTH	2019	2020	2019 TO 2020
JANUARY	359.51	375.20	15.69
FEBRUARY	310.75	339.26	28.51
MARCH	364.95	472.11	107.16
APRIL	399.46	564.05	164.59
MAY	421.45	452.37	30.92
JUNE	376.08	471.63	95.55
JULY	464.25	513.08	48.83
AUGUST	423.47	427.70	4.23
SEPTEMBER	362.91	478.03	115.12
OCTOBER	400.49	526.37	125.88
NOVEMBER	383.86	440.74	56.88
DECEMBER			0.00
TOTAL	4,267.18	5,060.54	793.36
% of TOTAL VOLUME		3.9%	

CITY OF LOUDON

MONTH	2019	2020	2019 TO 2020
JANUARY	434.56	457.31	22.75
FEBRUARY	367.36	391.61	24.25
MARCH	434.95	486.81	51.86
APRIL	450.53	492.81	42.28
MAY	481.49	488.38	6.89
JUNE	464.46	494.58	30.12
JULY	549.23	498.94	(50.29)
AUGUST	461.07	512.68	51.61
SEPTEMBER	419.83	465.23	45.40
OCTOBER	452.47	494.66	42.19
NOVEMBER	398.85	444.03	45.18
DECEMBER			0.00
TOTAL	4,914.80	5,227.04	312.24
% of TOTAL VOLUME		4.1%	

WASTE SERVICES OF TN

MONTH	2019	2020	2019 TO 2020
JANUARY	2,912.60	3,339.43	426.83
FEBRUARY	2,545.03	2,998.43	453.40
MARCH	2,954.94	3,467.07	512.13
APRIL	3,275.88	3,382.68	106.80
MAY	3,419.31	3,550.36	131.05
JUNE	3,100.54	3,527.18	426.64
JULY	3,406.12	3,667.57	261.45
AUGUST	3,323.31	3,096.54	(226.77)
SEPTEMBER	3,047.17	3,110.64	63.47
OCTOBER	3,448.07	3,231.06	(217.01)
NOVEMBER	3,335.03	3,083.53	(251.50)
DECEMBER			0.00
TOTAL	34,768.00	36,454.49	1,686.49
% of TOTAL VOLUME		28.4%	

WASTE MANAGEMENT KNOXVILLE

MONTH	2019	2020	2019 TO 2020
TN Trash 2019 Jan-May			
JANUARY	5,184.96	1,045.82	(4,139.14)
FEBRUARY	4,252.39	1,608.55	(2,643.84)
MARCH	5,009.22	2,424.09	(2,585.13)
APRIL	5,315.21	1,675.72	(3,639.49)
MAY	5,341.05	2,373.62	(2,967.43)
JUNE	1,002.69	2,549.31	1,546.62
JULY	1,057.73	2,527.15	1,469.42
AUGUST	1,184.07	2,529.43	1,345.36
SEPTEMBER	1,018.96	2,433.84	1,414.88
OCTOBER	1,097.76	2,657.66	1,559.90
NOVEMBER	1,067.78	2,575.16	1,507.38
DECEMBER			0.00
TOTAL	31,531.82	24,400.35	(7,131.47)
% of TOTAL VOLUME		19.0%	

LANDFILL TONNAGE VOLUME
MONTH ENDING -
NOVEMBER 2020

MARION ENVIRONMENTAL - TVA ASB

MONTH	2019	2020	2019 TO 2020
JANUARY	0.00	6,212.69	6,212.69
FEBRUARY	0.00	5,667.71	5,667.71
MARCH	0.00	5,769.39	5,769.39
APRIL	0.00	0.62	0.62
MAY	0.00	0.00	0.00
JUNE	0.00	0.00	0.00
JULY	0.00	0.00	0.00
AUGUST	0.00	0.00	0.00
SEPTEMBER	0.00	0.00	0.00
OCTOBER	0.00	0.00	0.00
NOVEMBER	0.00	0.00	0.00
DECEMBER			0.00
TOTAL	0.00	17,650.41	17,650.41
% of TOTAL VOLUME		13.8%	

All Others

MONTH	2019	2020	2019 TO 2020
JANUARY	4,197.91	3,728.62	(469.29)
FEBRUARY	3,857.54	2,802.24	(1,055.30)
MARCH	4,000.04	3,033.79	(966.25)
APRIL	4,176.34	3,039.97	(1,136.37)
MAY	4,182.79	2,864.68	(1,318.11)
JUNE	4,356.02	3,290.13	(1,065.89)
JULY	4,916.89	2,659.45	(2,257.44)
AUGUST	4,305.86	2,755.23	(1,550.63)
SEPTEMBER	5,566.83	2,947.27	(2,619.56)
OCTOBER	5,617.64	3,087.04	(2,530.60)
NOVEMBER	4,902.56	3,002.12	(1,900.44)
DECEMBER			0.00
TOTAL	50,080.42	33,210.54	(16,869.88)
% of TOTAL VOLUME		25.9%	

Choose Inspection Type...

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

**CLASS I
FACILITY**

SITE		DATE 11/4/2020	TIME 13:00	WEATHER 68F Sunny
Loudon County Landfill SNL530000203 21712 Highway 72 North Loudon				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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
COMMUNICATIONS				
8130	NO COMMUNICATION DEVICES	0400-11-01-.04(2)(f) ?		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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	0400-11-01-.02(5)(a)7 TCA 68-211-862(a)	?	<input checked="" 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"/>
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"/>
COMMENTS						
8090	INADEQUATE FIRE PROTECTION	0400-11-01-.04(2)(c)2	?	<input checked="" 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"/>
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"/>
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"/>
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"/>
COMMENTS						
8030	INADEQUATE ARTIFICIAL OR NATURAL BARRIER	0400-11-01-.04(2)(b)1	?	<input checked="" 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"/>
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"/>
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"/>
COMMENTS						
8070	UNAPPROVED SALVAGING OF WASTE	0400-11-01-.04(2)(b)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
LITTER CONTROL						
8110	UNSATISFACTORY LITTER CONTROL	0400-11-01-.04(2)(d)	?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COMMENTS litter still present on many slopes and needs to be dealt with.						
OPERATING EQUIPMENT						
8140	INADEQUATE OPERATING EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" 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"/>
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"/>
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"/>
COMMENTS Sump = 24.1"						

*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 type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	Leachate outbreaks above working cell were explained and contained. Plan on how to change cell construction to better deal with these outbreaks was discussed and will be submitted to KEFO.			
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"/> <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"/> <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"/> <input type="checkbox"/>
COMMENTS				
8490	EXCESSIVE POOLING OF WATER	0400-11-01-.04 (2)(a)3 0400-11-01-.04(8)(c)4(iii)	?	<input checked="" type="checkbox"/> <input 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"/> <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"/> <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"/> <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"/> <input type="checkbox"/>
COMMENTS				

*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"/> <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"/> <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 checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
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"/> <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"/> <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)	TCA 68-211-104(3) TCA 68-211-105(b)	?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	Overfill on southwest corner of landfill was self identified and is currently being addressed.			
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"/> <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"/> <input type="checkbox"/>
COMMENTS				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
WASTE HANDLING AND COVER STANDARDS				
8440	IMPROPER SPREADING OF WASTE	0400-11-01-.04(6)(a)2	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8450	IMPROPER COMPACTING OF WASTE	0400-11-01-.04(6)(a)2	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8460	UNSATISFACTORY INITIAL COVER	0400-11-01-.04(6)(a)3 0400-11-01-.04(6)(a)5	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8470	UNSATISFACTORY INTERMEDIATE COVER	0400-11-01-.04(6)(a)4 0400-11-01-.04(6)(a)5	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8480	UNSATISFACTORY FINAL COVER	0400-11-01-.04(6)(a)6 0400-11-01-.04(8)(c)4	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8510	UNSATISFACTORY STABILIZATION OF COVER	0400-11-01-.04(6)(a)5,6	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
WASTE RESTRICTIONS				
8210	UNAUTHORIZED WASTE ACCEPTED	0400-11-01-.04(2)(k)1 0400-11-01-.04(2)(k)6	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8220	UNAPPROVED SPECIAL WASTE ACCEPTED	0400-11-01-.01(4)(b) 0400-11-01-.01(4)(c)5	?	<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
WASTE RESTRICTIONS				
8230	TIRES IMPROPERLY HANDLED	0400-11-01-.04(2)(k)3.(i)	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
8240	MEDICAL WASTE IMPROPERLY HANDLED	0400-11-01-.04(2)(k)4.(i-iv)	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				

LEACHATE LEVELS

**Disclaimer: The information contained in these documents (checklists/notes, etc.) is not intended to be all inclusive and is subject to change. These documents are intended solely for use by DSWM staff. These documents are not a substitute for evaluation of compliance in accordance with applicable laws and regulations. These documents are not intended for, nor can they be relied upon, to create any rights, substantive or procedural, enforceable or useable by any party in litigation with the State of Tennessee or its employees.*

SAVE FORM

Follow-Up Inspection Date

Inspector Name

Lewis L. Haynes IV

Digitally signed by Lewis L. Haynes IV
DN: cn=Lewis L. Haynes IV, o=Tennessee Department of Environment and Conservation,
ou=Division of Solid Waste Management, email=Lewis.Haynes@dnr.gov, c=US
Date: 2020.11.04 15:26:46 -0500

ADDITIONAL COMMENTS

It is recommended that both the plan to deal with the overfill of the southwest corner and the change in cell construction to deal with perched fluids be submitted to the Knoxville field office in order to keep all parties in the same page.

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary November 2020

Material	Tonnage	2017 Sludge %		2018 Sludge %	
MSW					
MSW	8,315	January	5%	January	4%
		February	8%	February	4%
		March	8%	March	5%
		April	7%	April	6%
		May	4%	May	8%
		June	2%	June	9%
		July	3%	July	6%
		August	4%	August	4%
		September	7%	September	2%
		October	8%	October	2%
		November	6%	November	5%
		December	5%	December	5%
Special Waste					
Other	1,267				
Ash	0				
Sludge	485				
Total Special Waste	1,752				
Total MSW & SW	10,066				
Tires	15				
Total Material	10,081				
% MSW	83%				
% Special Waste	17%				
% Sludge *	5%				

2019 Sludge %		2020 Sludge %	
January	5%	January	5%
February	5%	February	4%
March	4%	March	4%
April	4%	April	4%
May	3%	May	4%
June	6%	June	5%
July	5%	July	5%
August	4%	August	6%
September	4%	September	5%
October	3%	October	3%
November	4%	November	
December	7%	December	

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

2020 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	7,481	6,695	8,585	8,552	8,740	9,242	8,748	8,141	8,207	8,760	8,315		91,466
Special Waste	8,193	7,568	7,666	1,240	1,575	1,687	1,696	1,779	1,768	1,782	1,752		36,707
Tires	31	26	42	43	55	53	36	39	56	17	15		414
Total	15,705	14,289	16,294	9,835	10,370	10,982	10,481	9,959	10,031	10,560	10,081	0	128,587
%													
MSW	48%	47%	53%	87%	84%	84%	83%	82%	82%	83%	82%		71%
Special Waste	52%	53%	47%	13%	15%	15%	16%	18%	18%	17%	17%		29%
Total	100%	100%	100%	100%	99%	100%	100%	100%	99%	100%	100%		100%

**2020-2021 Matlock Bend
Landfill Tire Report**

Month	Tonnage
Jul-20	31.25
Aug-20	36.27
Sep-20	48.23
Oct-20	21.38
Nov-20	19.58
Dec-20	
Jan-21	
Feb-21	
Mar-21	
Apr-21	
May-21	
Jun-21	
Total (tons)	156.71

Matlock Bend Landfill - Module E

2020 Airspace Projection / Construction Schedule

		MONTHLY TONNAGE			UTILIZATION FACTOR		
		10,224			1.37		
DATE	REMAINING AIRSPACE ¹ (CY)	TONNAGE	ACTUAL / PROJECTED ²	UTILIZATION FACTOR (CY/TON) ³	MONTHLY VOLUME CONSUMED (CY)	ENDING MONTHLY REMAINING AIRSPACE (CY)	
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	-	10,224	P	1.37	14,007	527,144	
January '21	-	10,224	P	1.37	14,007	513,137	
February	-	10,224	P	1.37	14,007	499,130	
March	-	10,224	P	1.37	14,007	485,123	
April	-	10,224	P	1.37	14,007	471,116	
May	-	10,224	P	1.37	14,007	457,109	
June	-	10,224	P	1.37	14,007	443,103	
July	-	10,224	P	1.37	14,007	429,096	
August	-	10,224	P	1.37	14,007	415,089	
September	-	10,224	P	1.37	14,007	401,082	
October	-	10,224	P	1.37	14,007	387,075	
November	-	10,224	P	1.37	14,007	373,068	
December	-	10,224	P	1.37	14,007	359,061	

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

Full Date

February-2024

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

September	10,031
October	10,560
November	10,081
Average	10,224

cc: Tim
Matt
Paul
Ben
Justin
Mark



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

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

December 1, 2020

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 November 1, 2020 to November 30, 2020:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$256,409.30
Host Fee Percentage	<u>3.96%</u>
	\$ 10,153.81
Minimum Fee	<u>\$ 10,572.50</u>
Security Fees (Greater of below) –	
Total Tonnage Received	10,066.48
Rate per ton	<u>\$ 1.00</u>
Total	\$ 10,066.48
Total Tip Fees Billed	\$256,409.30
Security Fee Percentage	<u>5.00%</u>
	<u>\$ 12,820.47</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, appearing to read "Mark C. Mathys", is written over a horizontal line.

Mark C. Mathys
Vice President of Finance & Corporate Controller



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

Division of Solid Waste Management
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 14th Floor
Nashville, Tennessee 37243

November 3, 2020

Ms. Kaitlyn Hampton
Loudon County Landfill (SNL530000203)
21712 Highway 72 North
Loudon, TN 37774

RE: New Resubmittal of Closure/Post Closure Plan Requirements

Dear Ms. Hampton:

As you may be aware, on December 30, 2019, new regulations became effective in Tennessee for Class I and II solid waste disposal facilities. The new regulations can be found at Tenn. Comp. R. & Regs. 0400-11-01-.03(2)(c). Regulatory changes state that these facilities must submit a new closure/post-closure care plan every 10 years from the date of the original permit issuance or the date of approval of the last major modification for an expansion. Our records indicate that your facility last received a new permit containing an updated closure plan on April 3, 1985. At a minimum, this re-submittal, which will be processed as a minor modification, must contain:

- Itemized closure/post-closure cost estimates that must be adjusted by recalculating the maximum closure/post-closure amounts in current dollars and taking into account any design changes, new monitoring points, and changes in materials.
- The cost estimates must be based on hiring a third party to perform the closure and post-closure care activities per Rule 0400-11-01-.03(2)(b)(iv).
- A phased development plan that is updated and reconciled with the closure/post-closure cost estimate.
- Minimum closure areas that are revised or added to reflect planned partial closure of the facility.
- A separate itemized cost estimate for long-term custodial care activities. This cost estimate is not to be included in the financial assurance amount for the facility, but must include a description of recommended inspection, monitoring, and maintenance activities for long-term custodial care during the 50-year period beginning upon certification of completion of post-closure to ensure the continued protection of human health and the environment per Rule 0400-11-01-.03(2)(b)(vi).

The language of this rule can be found on the following website link: <https://publications.tnsosfiles.com/rules/0400/0400-11/0400-11-01.20200908.pdf>. For Class I Facilities, the Division is requesting a timetable be submitted for this requirement by December 31, 2020, with the actual resubmittal due by June 30, 2021. Should you have any questions or concerns, please email me at Nickolaus.Lytle@tn.gov or call 615-532-8004.

Sincerely,

Nick Lytle

Nick Lytle, Solid Waste Permits Manager

cc: Revendra Awasthi, Manager, Knoxville Environmental Field Office
Ian Jakul, Financial Assurance Officer, Dept. of Environment and Conservation
Division of Solid Waste Management, Central Files, Nashville Central Office

Green Waste Discussion Loudon Co 12/8/2020

Overview:

Statistics from Statewide TDEC ANNUAL PROGRESS REPORT 2019

- RESIDENTIAL ORGANICS--
 - 420,715 Tons of Organics Reported in 2019 Annual Progress Report
 - Roughly 80% of Materials were reported from Cities, 20% from Counties
- STATEWIDE ORGANICS—
 - 738,063 Tons of Organics Reported from Industry, Institutions, Commercial
- STATEWIDE REPORTED LANDFILL TIPPING FEE/DISPOSAL FEE (2019)

COUNTY	REPORT YR: 2019
Anderson	\$22.55
Bedford	\$25.01
Blount	\$50
Cannon	\$29.32
Carter	\$42
Cheatham	\$67.5
Claiborne	\$40
Clay	\$18.02
Davidson	\$37.87
DeKalb	\$44.14
Dickson	\$42.87
Dyer	\$32
Fayette	\$47
Fentress	\$38
Hardeman	\$22.5
Hardin	\$30
Henderson	\$64
Humphreys	\$22.02
Lawrence	\$39.4
Lewis	\$39.19
Macon	\$55
Montgomery	\$28
Overton	\$50
Pickett	\$41.66
Putnam	\$20.42-\$60.33
Robertson	\$51
Rutherford	\$0-\$30
Sevier	\$40
Smith	\$207.8
Stewart	\$28
Sumner	\$50
Van Buren	\$95.4
White	\$35.18-\$39.34
Williamson	\$50

Green Waste Discussion Loudon Co 12/8/2020

In 2014 MTAS/CTAS did a Green Waste Questionnaire for Loudon County and TDEC. The intent was to look at possibility for a HUB/SPOKE system to be run by Loudon Co and partners. There were grants available at this time for this kind of partnering. At that time, TDEC was also increasing inspections of mulch piles for fire hazard/air quality concerns. WTE options were considered, but at the time no guarantees of end market.

City	Rockwood	Lenoir City	Oliver Springs	Harriman	Loudon	Kingston	Sweetwater	Loudon Co	Roane Co
Collection Method	Curbside	Curbside	Seasonal Cleanup	Curbside	Curbside	Curbside	Curbside		Drop Off
Process	Grinding, spread on city property	Chipped yard waste, composted leaves	Chipped and Landfilled	Chipped, 30% giveaway remainder land spread	Chipped yard waste, composted leaves	Chipped Yard waste, composted leaves	Chipped and given away, some sold		Contractor hired to grind, given away
Cost Estimate	\$32,100								
Tons 2014 (2019—None Reported?)	600	1,225	15	10,000	700		600		

Public Sector Models:

- City of Murfreesboro: 46,500 Tons Mulched in 2019. In-house grinding with minimal staff and tub grinder. Mulch is free for the taking.
- City of Franklin: Composts with windrow system. Loads trucks, trailers and dump trucks. No bags or totes. Does not accept outside haulers, only city-collected yard debris. Sells for \$20/ Cubic yard. 5-yard limit/day. Vouchers obtained at City Hall. 2,672 Yds composted; 2,900 yds mulched in 2019.
- Johnson City: 14,731 Tons Mulched. No mention of market.
- City of Cleveland: 3,338 Compost, 12,450 Mulched. No mention of market.
- Davidson County: 29,631 Tons Contract Appears to also be with NBO (now LETCO). Curbside pickup along with option for residents to drop off on site with proof of residence.

Green Waste Discussion Loudon Co 12/8/2020

Private Sector and Public/Private Sector Models:

Kellum's, Blount Co.	Nature's Earth, Memphis	Living Earth, Knoxville and Davidson Co
10,500 Tons Year	39,500 Tons a Year	29,405 Ton Knoxville, 29,547 City of Knoxville Contract, 15,837 Nashville
Some Public Sector Waste taken		Contract with Cities to bring leaves and yard waste
\$20-\$35	\$15.75-\$25	\$23-\$33/Cubic Yard for Public

Short History of Green Waste in Knox Co

- Solway Facility: Initially owned and operated by Knox County
- Focus on Composting. Facility had stormwater issues and permitting issues
- Sold to Natural Resources Recovery for \$2 M (DBA Nature's Best)
- Nature's Best Operated and secured 2016 Contract with City of Knoxville for ~30,000 tons
- Purchased by the LETCO Group in 2018. Allowed to continue with existing contract with City of Knoxville

City Contract:

- 60,000 residents in City of Knoxville
- Materials collected curbside, and thru park maintenance and urban forestry activities
- The City collects and disposes of approximately 6,200 tons of leaves, 26,000 tons of brush with LETCO

The City Pays:

- \$18.84 ton at West Location
- \$21.84 at Rutledge Pike
- \$23.84 at Procter Street

Contract:

- 5 Year with CPI adjustment at end
- A give back program of 1000 cubic yards of double grind hardwood bark and 200 cubic yards of playground quality
- Fire Analysis Plan—Height limit of 25 ft, width of 150 ft, length of 250 ft. (Solway and Rutledge), weekly monitoring of temperature, smoking, fire suppression, available response plan
- For Sale Bin cannot exceed 200 yds
- No more than 5,000 tons stored exterior to building, vegetative buffer

Locations:

- SOLWAY: 18-acre pad, 162-acre site
 - Capacity 135,000 tons
- RUTLEDGE PIKE: 12 Acres, 8 acres for operations
- CENTRAL: 5.3 Acres
 - Electric powered grinding
 - Move to other facilities for finishing

Green Waste Discussion Loudon Co 12/8/2020

LETCO OPERATION IN KNOX CO

Rutledge and Solway Equipment List—2 of 3 locations

2007 McCloskey Trommel Screen	Cat 357 Skid Steer
2008 Volvo Wheel Loader L60F	616 Power Screen
2008 Volvo 110F Loader with High Tip Bucket	Cat906H@ Wheel Loader
2014 Volvo EC220 Excavator	2010 Volvo L90F Loader
Caterpillar 320CL Excavator	2011 Volvo EC210CL Excavator
CBI Model 4000B Wood Grinder (1050HP)	2013 Volvo L90
Colorbotics Sahara X2 Coloring System	1300 Morbark Wood Grinder (1050 HP)
4 freightliner truck tractors	Dump Trailer
M85 Diesel Conveyor	7 walking floor trailers
Truck scales	M85 Diesel Conveyor
	Truck scales

Process:

- Yard Waste stockpile is ground through industrial wood grinder (first grind)
- For composting "Windrows" are developed, watered and turned frequently as part of the aging process
- Usually takes 6-8 mos. Once cured goes thru a Trommel screen
- The fines become the finished compost material
- \$23-\$33/cubic yard purchase price to general public
- Marketed as Nature's Best Organics

Additional Items for Consideration: Starting a Program

- Pollution Legal Liability Coverage
- Certificate of Liability 1,000,000
- Storm Water Discharge NPDES Permit
- Air Quality Permit?

Contact Information:

Kim Raia

Environmental Consultant, GISP

University of Tennessee

Kim.Raia@tennessee.edu