

**AGENDA**  
**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**  
**November 13, 2018**  
**6:30 p.m.**  
**LOUDON COUNTY COURTHOUSE ANNEX**  
**Loudon, Tennessee**

1. Opening of Meeting, Pledge of Allegiance, Invocation
2. Approval of Minutes – October 9, 2018
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Contract Modification Update
7. Poplar Springs Update
8. Attorney’s Report
9. Chairman’s Report
10. Other Items of Commission’s Consideration
11. Adjourn

**Loudon County Department of Accounts Budgets**  
**Solid Waste Disposal Fund 207**  
**Monthly Cash Report**  
**October 2018**

September 2018 Combined Ending Cash Balance per Monthly Report	3,703,598.25	
Adjustments:	0.00	
	0.00	
Total Adjustments		0.00
<b>Adjusted September 2018 Combined Ending Balance per Loudon Co Trustee</b>		<b>3,703,598.25</b>

**Solid Waste Disposal Commission Operating Fund**

Operating Fund Ending Balance September 2018		3,522,405.14
Cash Receipts:		
Trustee's Collections - Prior Year	0	
Surcharge - Host Fees (Sep 2018)	0.00	
Surcharge - Security Fees (Sep 2018)		
Investment Income	5,295.42	
Total Monthly Revenue		5,295.42
Cash Disbursements:		
Board & Committee Members Fees	(450.00)	
Social Security	(6.20)	
Medicare	(1.45)	
Audit Services (Mitchell Emert & Hill)	0.00	
Contracts with Private Agencies (Santek)	0.00	
Engineering Services (Santek)	0.00	
Contributions (Loudon Utilities - Quarterly)	0.00	
Legal Services (August 2018)	(2,500.00)	
Legal Notices	0.00	
Other Contracted Services	0.00	
Building & Content Insurance	0.00	
In-Service/Staff Development	0.00	
Trustee's Commission	(48.59)	
Total Cash Disbursements		(3,006.24)
Expenditure Credit:		
Trustee Commission Adjustment		0.00
<b><u>Operating Fund Ending Balance October 2018</u></b>		<b>3,524,694.32</b>

**Poplar Springs Subfund**

Poplar Springs Subfund Balance September 2018		181,193.11
Cash Receipts:		
Total Monthly Revenue	0.00	0.00
Cash Disbursements:		
Poplar Springs Engineering	(11,734.57)	
Poplar Springs Contractor	(186,896.73)	
Total Cash Disbursements		(198,631.30)
<b><u>Poplar Springs Subfund Balance October 2018</u></b>		<b>(17,438.19)</b>

**TOTAL COMBINED OPERATING AND POPLAR SPRINGS OCTOBER 2016 BALANCE** **3,507,256.13**

<b>Combined Summary - October 2018</b>	
Beginning Balance	3,703,598.25
Plus Operating Revenue	5,295.42
Less Operating and Poplar Springs Disbursements	(201,637.54)
<b>TOTAL COMBINED BALANCE - OCTOBER 2018</b>	<b>3,507,256.13</b>

# Loudon County Landfill Security Camera Information

- PHONE APP NAME: EZVIZ
- EMAIL: [rgivens@santekenviro.com](mailto:rgivens@santekenviro.com)
- APP PASSWORD: raymond.9 (all lowercase)
- DVR PASSWORD: Raymond (capital R)

“Since our October meeting, we have installed an ultra HD 4K security system. We have installed a camera facing the highway/front gate, two cameras facing the parking lot in front of the scales, and one camera facing the road that leads to the dumpsite, for a total of four cameras. The system is continually recording onto a 2 TB hard drive and will also give the option to stream through an application that is available for smart phones. We are still having some technical difficulty getting the phone application linked to the system, but we are diligently working to correct the situation and will be happy to pass along the login information once it’s in working order. In addition to the new system, we have placed multiple signs on the front gate as well as the windows and doors of the scale house notifying the public of the new security system.”

App has been recording since Monday, 10/29/18.

Email Kaitlyn Hampton at [khampton@santekenviro.com](mailto:khampton@santekenviro.com) or call at (865)458-2651 for any questions or concerns.



Office of Rollen "Buddy" Bradshaw  
Loudon County Mayor

100 River Road • Suite 106 • Loudon, Tennessee 37774

Dear LCSWD Commissioners,

First and foremost, let me again express my gratitude for your cooperation on this project that has taken on a life of its own. This was a first of its kind ordeal and as I've often said, if I had a crystal ball or a time machine I would no doubt do some things different. That being said, I still feel it was the right thing to do and Mr. Flood from TDEC reiterated as much when he told our grant coordinator and recycling director that it was getting fixed by us or by the State of Tennessee. He also advised the State would have just sent us the bill.

Moving forward, TDEC has advised they will help and/or perform the inspections at no charge. We also have a citizen that has said he too will help with inspections. We also have several local contractors that have stepped up should any repair ever be needed over this 10 year period.

I understand that the Loudon County Solid Waste Disposal Commission (the "Commission") conditionally approved payment of the following invoices related to the Poplar Springs Landfill repair at its regular meeting on October 9, 2018: 1.) Pay Application #1 from J.D. Anderson Contracting, LLC in the amount of \$172,605.00; 2.) Pay Application #2 from J.D. Anderson Contracting, LLC in the amount of \$14,291.73; and 3.) Smith & Gardner Invoice # 23068 in the amount of \$11,734.57.

We received a Gardner invoice this morning (10/16/18) in the sum of \$4,184. We contacted Mr. Gardner to verify this was the last one and he did indicate there would be one more for the monitoring plan and final report to TDEC. These are all part of the encumbrance for the work and Mr. Gardner is confident that we will not use the entire amount on the PO. The retro invoices are up to date fulfilling your request in item #1 in the following paragraph. I spoke with Tracy Blair this morning and she reassured me that the reimbursement can only be returned to the LCSWDC. No act of Commission or City Councils can change that, fulfilling request #2.

The Commission's approval for payment of the foregoing invoices was conditioned on the following: 1.) confirmation from Loudon County that these will be the last invoices related to the repair of the Poplar Springs Landfill and payment thereof will enable the County to receive full grant reimbursement from the State of Tennessee and 2.) confirmation from Loudon County that all grant reimbursement funds received from the State of Tennessee will be returned to the Commission's financial account held and managed by the County. Based upon the information provided to me, I can confirm on behalf of Loudon County that the two conditions imposed by the Commission above will be satisfied upon payment of the subject invoices. Loudon County will proceed to pay the subject invoices and submit the final information for the State of Tennessee to process the grant reimbursement. Upon receipt of the grant reimbursement funds from the State of Tennessee, such funds will be deposited in the Commission's financial account held and managed by the County.

Thank you for your cooperation with this project.

**Monthly Operations Report  
Matlock Bend Landfill  
November 13, 2018**

**Presented by:  
Santek Environmental, Inc.**



650 25th Street, N.W., Suite 100  
Cleveland, Tennessee 37311  
(423) 300-7101

Email: [mail@santekenviro.com](mailto:mail@santekenviro.com)  
Internet: [www.santekenviro.com](http://www.santekenviro.com)

- I. OPERATIONS**
  - A. Tonnage Report
  - B. Customer Report
  - C. Inspection
  - D. Materials Classification Report
  - E. Waste Characterization Report
  - F. Tire Report
  - G. Quarterly Origin Report
  - H. Facility Inspection Fee Report
  - I. TDEC Minor Modification Letter
  
- II. AIRSPACE UTILIZATION SCHEDULE**
  
- III. HOST & SECURITY FEES**

**LANDFILL TONNAGE VOLUME  
MONTH ENDING -  
OCTOBER 2018**

**MATLOCK BEND LANDFILL**

MONTH	2017	2018	2017 TO 2018
JANUARY	15,336.42	15,858.64	522.22
FEBRUARY	14,991.58	13,865.56	(1,126.02)
MARCH	16,055.37	15,779.17	(276.20)
APRIL	14,472.05	15,147.53	675.48
MAY	16,123.28	13,276.58	(2,846.70)
JUNE	15,653.83	12,717.37	(2,936.46)
JULY	14,586.45	12,353.95	(2,232.50)
AUGUST	15,865.64	13,665.82	(2,199.82)
SEPTEMBER	16,560.64	11,142.60	(5,418.04)
OCTOBER	17,666.70	12,551.31	(5,115.39)
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	157,311.96	136,358.53	(20,953.43)

**DAILY AVG FOR ANY  
RUNNING 30 DAY  
PERIOD**                      398.63

**LOUDON COUNTY**

MONTH	2017	2018	2017 TO 2018
JANUARY	477.16	471.26	(5.90)
FEBRUARY	424.98	419.40	(5.58)
MARCH	498.94	496.17	(2.77)
APRIL	507.83	524.80	16.97
MAY	549.58	515.70	(33.88)
JUNE	519.50	506.85	(12.65)
JULY	542.63	551.73	9.10
AUGUST	512.30	525.59	13.29
SEPTEMBER	482.19	456.20	(25.99)
OCTOBER	459.47	537.94	78.47
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	4,974.58	5,005.64	31.06

**DAILY AVG FOR 22.5  
DAY PERIOD**                      557.84

**LENOIR CITY**

MONTH	2017	2018	2017 TO 2018
JANUARY	320.21	311.92	(8.29)
FEBRUARY	280.52	294.51	13.99
MARCH	375.49	353.46	(22.03)
APRIL	345.90	368.49	22.59
MAY	385.74	410.46	24.72
JUNE	361.60	348.15	(13.45)
JULY	368.18	391.93	23.75
AUGUST	405.09	390.42	(14.67)
SEPTEMBER	351.66	338.04	(13.62)
OCTOBER	349.35	401.95	52.60
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,543.74	3,609.33	65.59

**CITY OF LOUDON**

MONTH	2017	2018	2017 TO 2018
JANUARY	374.21	363.15	(11.06)
FEBRUARY	316.79	344.19	27.40
MARCH	407.26	371.66	(35.60)
APRIL	368.89	427.07	58.18
MAY	446.12	442.51	(3.61)
JUNE	404.84	412.21	7.37
JULY	399.49	431.11	31.62
AUGUST	398.67	432.46	33.79
SEPTEMBER	378.74	381.35	2.61
OCTOBER	384.36	429.98	45.62
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,879.37	4,035.69	156.32

**WASTE SERVICES OF TN**

MONTH	2017	2018	2017 TO 2018
JANUARY	2,573.63	2,437.61	(136.02)
FEBRUARY	2,358.39	2,331.36	(27.03)
MARCH	2,521.29	2,635.18	113.89
APRIL	2,350.38	2,721.66	371.28
MAY	2,737.26	2,902.00	164.74
JUNE	2,769.33	2,707.31	(62.02)
JULY	2,558.48	2,822.88	264.40
AUGUST	2,759.94	2,816.39	56.45
SEPTEMBER	2,617.34	2,389.80	(227.54)
OCTOBER	2,681.16	2,814.76	133.60
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	25,927.20	26,578.95	651.75

**TENNESSEE TRASH**

MONTH	2017	2018	2017 TO 2018
JANUARY	3,735.96	3,854.46	118.50
FEBRUARY	3,572.92	3,518.63	(54.29)
MARCH	3,906.62	4,121.81	215.19
APRIL	3,800.78	4,469.98	669.20
MAY	4,370.78	4,912.76	541.98
JUNE	4,485.85	4,503.72	17.87
JULY	3,911.99	4,825.80	913.81
AUGUST	4,476.93	5,062.65	585.72
SEPTEMBER	4,048.58	4,170.33	121.75
OCTOBER	4,606.41	4,675.17	68.76
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	40,916.82	44,115.31	3,198.49

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

**CLASS I  
FACILITY**

SITE  Matlock Bend Class I SNL530000203 Rt 76 Loudon Co	DATE 20181030	TIME 11:00	WEATHER Sun 70s
	INSPECTOR PjMU		EFO KNOX

\*SEE DISCLAIMER ON LAST PAGE

VIOLATION	REGULATION	OBSERVATION NVO AOC V1 V2
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**BUFFER ZONE STANDARDS FOR SITING LANDFILLS**

<b>8310</b>	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**

<b>8330</b>	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	System discharges to tank and is pumped to POTW. All operational.						

<b>8340</b>	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	Sump levels at 10.4" and 20.4 inches						

**COMMUNICATIONS**

<b>8130</b>	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**

<b>8160</b>	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**

<b>8250</b>	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**

<b>8190</b>	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**

<b>8530</b>	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"/> <input type="checkbox"/>
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COMMENTS

<b>8590</b>	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"/>
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COMMENTS

**FIRE SAFETY**

<b>8080</b>	EVIDENCE OF OPEN BURNING	0400-11-01-.04(2)(c)1	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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COMMENTS

<b>8090</b>	INADEQUATE FIRE PROTECTION	0400-11-01-.04(2)(c)2	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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COMMENTS fire extinguishers and onboard suppression systems serviced and up to date

**GAS MIGRATION CONTROL STANDARDS**

<b>8380</b>	INADEQUATE GAS MIGRATION CONTROL SYSTEM	0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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COMMENTS

<b>8390</b>	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"/>
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COMMENTS

**GENERAL FACILITY STANDARDS**

<b>8010</b>	INADEQUATE VECTOR CONTROL	0400-11-01-.04(2)(a)1	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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COMMENTS

<b>8020</b>	ACCESS NOT LIMITED TO OPERATING HOURS	0400-11-01-.04(2)(b)4	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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COMMENTS

<b>8030</b>	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"/>
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COMMENTS



\*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
<b>GENERAL FACILITY STANDARDS</b>						
<b>8040</b>	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						
<b>8050</b>	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						
<b>8060</b>	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						
<b>8070</b>	UNAPPROVED SALVAGING OF WASTE	0400-11-01-.04(2)(b)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>LITTER CONTROL</b>						
<b>8110</b>	UNSATISFACTORY LITTER CONTROL	0400-11-01-.04(2)(d)	?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COMMENTS	Small pile of waste on edge of drainage - probably an errant dumper. To clean up today.					
<b>OPERATING EQUIPMENT</b>						
<b>8140</b>	INADEQUATE OPERATING EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>8150</b>	UNAVAILABILITY OF BACKUP EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>OVERALL PERFORMANCE STANDARD</b>						
<b>8270</b>	WASHOUT OF SOLID WASTE	0400-11-01-.04(2)(a)(3)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>8320</b>	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	20.4" and 10.4 inches					

\*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
<b>OVERALL PERFORMANCE STANDARD</b>						
<b>8350</b>	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"/>
<b>COMMENTS</b>	Numerous outbreaks being managed by excavating, placing rock and a vent pipe, and recovering.					
<b>8360</b>	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"/>
<b>COMMENTS</b>						
<b>8370</b>	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"/>
<b>COMMENTS</b>						
<b>8420</b>	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"/>
<b>COMMENTS</b>						
<b>8490</b>	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"/>
<b>COMMENTS</b>						
<b>8520</b>	DUMPING OF WASTE INTO WATER	0400-11-01-.04 (2)(a)3	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COMMENTS</b>						
<b>PERMANENT BENCHMARK</b>						
<b>8280</b>	NO PERMANENT BENCHMARK	0400-11-01-.04(2)(o)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COMMENTS</b>						
<b>PERSONNEL SERVICES</b>						
<b>8120</b>	INADEQUATE EMPLOYEE FACILITIES	0400-11-01-.04(2)(e)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COMMENTS</b>						
<b>PROPER OPERATION AND MAINTENANCE</b>						
<b>8540</b>	GROUNDWATER MONITORING SYSTEM IMPROPERLY MAINTAINED	0400-11-01-.02(5)(a)4	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>COMMENTS</b>						

\*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION			
			NVO	AOC	V1	V2
<b>RANDOM INSPECTION PROGRAM</b>						
<b>8290</b>	INADEQUATE RANDOM INSPECTION PROGRAM	0400-11-01-.04(2)(s)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>RECORDS OF ORIGIN AND AMOUNT OF SOLID WASTE</b>						
<b>8610</b>	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						
<b>RUN-ON, RUN-OFF, AND EROSION CONTROL</b>						
<b>8170</b>	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"/>
COMMENTS						
<b>8180</b>	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	ditches, pond, and intermediate cover surfaces maintained					
<b>SPECIAL WASTE APPROVAL PROCESS</b>						
<b>8300</b>	MISHANDLING OF SPECIAL WASTE	0400-11-01-.01(4)(d)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>UNLAWFUL METHODS OF DISPOSAL</b>						
<b>8570</b>	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS						
<b>8580</b>	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						
<b>WASTE HANDLING AND COVER STANDARDS</b>						
<b>8430</b>	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						

\*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION
			NVO AOC V1 V2
<b>WASTE HANDLING AND COVER STANDARDS</b>			
<b>8440</b>	IMPROPER SPREADING OF WASTE	0400-11-01-.04(6)(a)2	? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>COMMENTS</b>			
<b>8450</b>	IMPROPER COMPACTING OF WASTE	0400-11-01-.04(6)(a)2	? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>COMMENTS</b>			
<b>8460</b>	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"/>
<b>COMMENTS</b>	daily cover - tarp		
<b>8470</b>	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"/>
<b>COMMENTS</b>	Placing mushroom mulch on intermediate cover surface and grow grass well		
<b>8480</b>	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"/>
<b>COMMENTS</b>			
<b>8510</b>	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"/>
<b>COMMENTS</b>			
<b>WASTE RESTRICTIONS</b>			
<b>8210</b>	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"/>
<b>COMMENTS</b>			
<b>8220</b>	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"/>
<b>COMMENTS</b>			

*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

10.4" and 20.4"

*\*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.*

Compliance Date

**LOCK Form**

**SAVE FORM**

**Materials Classification Report**  
**Matlock Bend Landfill**  
**Monthly Tonnage Summary October 2018**

Material	Tonnage	2015 Sludge %		2016 Sludge %	
<b>MSW</b>		January	2%	January	4%
<b>Special Waste</b>		February	3%	February	3%
MSW	<b>11,900</b>	March	3%	March	4%
<b>Other</b>		April	1%	April	3%
Other	354	May	2%	May	4%
<b>Ash</b>		June	1%	June	2%
Ash	0	July	5%	July	2%
<b>Sludge</b>		August	2%	August	3%
Sludge	297	September	2%	September	2%
<b>Total Special Waste</b>		October	2%	October	3%
	<b>651</b>	November	3%	November	3%
<b>Total MSW &amp; SW</b>		December	5%	December	3%
	<b>12,551</b>	<b>2017 Sludge %</b>		<b>2018 Sludge %</b>	
<b>Tires</b>		January	5%	January	4%
Tires	57	February	8%	February	4%
<b>Total Material</b>		March	8%	March	5%
	<b>12,609</b>	April	7%	April	6%
<b>% MSW</b>		May	4%	May	8%
	<b>95%</b>	June	2%	June	9%
<b>% Special Waste</b>		July	3%	July	6%
	<b>5%</b>	August	4%	August	4%
<b>% Sludge</b>		September	7%	September	2%
	<b>2%</b>	October	8%	October	2%
		November	6%	November	0%
		December	5%	December	0%

### 2018 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	9,932	9,544	10,669	11,093	12,059	11,312	11,669	12,113	10,679	11,900	0	0	110,970
Special Waste	5,926	4,321	5,110	4,054	1,218	1,406	685	1,553	463	651	0	0	25,388
Tires	27	35	20	44	35	52	43	48	36	57	0	0	397
<b>Total</b>	<b>15,885</b>	<b>13,900</b>	<b>15,799</b>	<b>15,191</b>	<b>13,312</b>	<b>12,770</b>	<b>12,397</b>	<b>13,714</b>	<b>11,179</b>	<b>12,609</b>	<b>0</b>	<b>0</b>	<b>136,756</b>
%													
MSW	63%	69%	68%	73%	91%	89%	94%	88%	96%	94%			81%
Special Waste	37%	31%	32%	27%	9%	11%	6%	11%	4%	5%			19%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>			<b>100%</b>

**2018-2019 Matlock Bend  
Landfill Tire Report**

<b>Month</b>	<b>Tonnage</b>
Jul-18	52.58
Aug-18	33.02
Sep-18	35.27
Oct-18	85.69
Nov-18	
Dec-18	
Jan-19	
Feb-19	
Mar-19	
Apr-19	
May-19	
Jun-19	
<b>Total (tons)</b>	<b>206.56</b>



**Advertised Tipping Fee Per ton \$28.45**

Origin of Waste (Name of County)	Waste Received From County, Transfer Station or Other	Q1 2018	Q2 2018	Q3 2018	Q4 2018	YTD Total
Anderson	County	38.87	18.46	26.05		83.38
Knox	County	367.24	398.47	415.49		1,181.20
Loudon	County	41,127.85	36,088.71	32,526.22		109,742.78
McMinn	County	297.91	438.90	211.79		948.60
Monroe	County	996.11	1,282.91	1,240.15		3,519.17
Roane	County	2,474.62	2,713.77	2,601.36		7,789.75
Blount	County	193.12	131.68	141.31		466.11
Meigs	County	7.65	0.00	0.00		7.65
Rhea	County	0.00	57.58	0.00		57.58
Bradley	County	0.00	0.00	0.00		0.00
		45,503.37	41,130.48	37,162.37	0.00	123,796.22





**State of Tennessee**  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**  
**KNOXVILLE ENVIRONMENTAL FIELD OFFICE**  
**3711 MIDDLEBROOK PIKE**  
**KNOXVILLE, TENNESSEE 37921-6538**

October 23, 2018

Raymond Givens, Landfill Manager  
Santek  
Matlock Bend Loudon County Landfill  
21712 Hwy 72 N  
Loudon, Tennessee 37774

RE: Minor Permit Modification Request -Approved  
Leachate Flow Meter and Management Compliance  
Matlock Bend Loudon County Class I Landfill, SNL 53-0203

Dear Mr. Givens:

The Division has reviewed the Leachate Flow Meter Minor Modification and Management Compliance received September 27, 2018. The Division hereby approves the minor modification. This modification covers the flow meter placed to track leachate flow from the gravity lines and how those values will be recorded and reviewed against rainfall as a way to manage leachate at the site. Retain this document and drawings for review and as reference at the site.

If you have any questions, please do not hesitate to contact me at (865) 594-5474.

Sincerely,

Handwritten signature of Paula Plont in black ink.

Paula Plont  
Environmental Consultant  
Division of Solid Waste Management

Handwritten signature of Revendra Awasthi in blue ink.

Revendra Awasthi  
Environmental Field Office Manager  
Division of Solid Waste Management

cc: DSWM NCO via electronic mail  
Steve Field, Loudon County Solid Waste Commission  
Ron Vail, Santek via electronic mail

## Matlock Bend Landfill - Module I-B 2018 Airspace Projection / Construction Schedule

DATE	REMAINING AIRSPACE <sup>1</sup> (CY)	MONTHLY TONNAGE	ACTUAL / PROJECTED <sup>2</sup>	UTILIZATION FACTOR	MONTHLY VOLUME CONSUMED (CY)	ENDING MONTHLY REMAINING AIRSPACE (CY)
		12,483		1.44		
May 7, 2018	315,103	-	-	-	-	-
May 8 - 30, 2018	-	10,420	A	1.44	15,004	300,099
June	-	12,717	A	1.44	18,312	281,786
July	-	12,354	A	1.44	17,790	263,996
August	-	13,666	A	1.44	19,679	244,317
September	-	11,173	A	1.44	16,089	228,228
October	-	12,609	A	1.44	18,157	210,071
November	-	12,483	P	1.44	17,975	192,096
December	-	12,483	P	1.44	17,975	174,121
January '19	-	12,483	P	1.44	17,975	156,146
February	-	12,483	P	1.44	17,975	138,171
March	-	12,483	P	1.44	17,975	120,196
April	-	12,483	P	1.44	17,975	102,221
May	-	12,483	P	1.44	17,975	84,246
June	-	12,483	P	1.44	17,975	66,271
July	-	12,483	P	1.44	17,975	48,296
August	-	12,483	P	1.44	17,975	30,321
September	-	12,483	P	1.44	17,975	12,346
October	-	12,483	P	1.44	17,975	0
November	-	12,483	P	1.44	17,975	0
December	-	12,483	P	1.44	17,975	0

<sup>1</sup> = Remaining airspace based on May 7, 2018 aerial survey.

Full Date

October-2019

<sup>2</sup> = Projected tonnages are based on a 3 month average per Matt Dillard on 6-2-09.

<sup>3</sup> = Utilization rate based on the annual utilization rate per October 27, 2008 construction meeting (Avg. Utilization = 1.22 c/y/ton)

\* Annual utilization rate is 1.06 but using historical annual new cell utilization factor of 1.44

### Tonnage for Past 3 Months

August	13,666
September	11,173
October	12,609
Average	12,483

cc: Tim  
Matt  
Cheryl  
Ron  
Raymond  
Jason  
Mark



650 25<sup>th</sup> Street NW, Ste 100  
Cleveland, TN 37311

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

November 8, 2018

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 October 1, 2018 to October 31, 2018:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$289,856.25
Host Fee Percentage	<u>3.96%</u>
	\$ 11,478.31
<b>Minimum Fee</b>	<b><u>\$ 10,560.00</u></b>
Security Fees (Greater of below) –	
Total Tonnage Received	12,551.31
Rate per ton	<u>\$ 1.00</u>
Total	\$ 12,551.31
Total Tip Fees Billed	\$289,856.25
Security Fee Percentage	<u>5.00%</u>
	<b><u>\$ 14,492.81</u></b>

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 black ink, appearing to read "Mark C. Mathys", written over a horizontal line.

Mark C. Mathys  
Vice President of Finance & Corporate Controller


DATE	INVOICE #
9/30/2018	23187

**BILL TO**

Susan Huskey, CPPB  
 Director of Procurement  
 Loudon County Purchasing  
 100 River Road, Suite 110  
 Loudon, TN 37774

**RECEIVED**  
 OCT 16 2018  
 Accounting Department  
 Tracy Blair

P.O. NUMBER	TERMS	PROJECT
	Net 60	LOUDON-18-1

QUANTITY	DESCRIPTION		AMOUNT
	Loudon County, Tennessee – Former Poplar Springs Landfill Cap Remediation & Related Site Improvements		
	Professional Services Rendered during the period through September 2018 including: Task 2 (Construction Services) S+G provided continued communication and coordination with JD Anderson related to site work progress; reviewed pay applications #1, #2, Change Order #3, and memo re: unit price item costs; and Task 3 (Construction Completion Report) initiated record documentation for the completed work. Refer to the attached Table which summarizes this invoice and S+G's budget, by task.		
10.5	J.M. Gardner, P.E.	185.00	1,942.50
17	G.G. Mills, P.E.	120.00	2,040.00
3.5	Engineering Technician	50.00	175.00
	Reimbursable Reproduction Costs	23.70	23.70
	Total Reimbursable Expenses		23.70
	Markup	10.00%	2.37
	Total Reimbursable Expenses		26.07
Susan Huskey 10/10/18		 10/9/18	
Remit to Smith Gardner Inc. Thank you.		<b>TOTAL</b>	\$4,183.57

*BB*

**Loudon County, Tennessee**

S+G PROJECT NO. Loudon 18-1 (AS OF 9/30/18)

**Former Poplar Springs Landfill - Cap Remediation & Other Site Improvements**

TASK NO.	TASK DESCRIPTION	S+G PROJECT NO.	ORIGINAL BUDGET	BUDGET AMENDMENTS	TOTAL APPROVED BUDGET	PREVIOUSLY INVOICED	CURRENT INVOICE	TOTAL INVOICED TO DATE	BUDGET REMAINING
1	Construction Documents	Loudon 18-1	\$1,335	\$0	\$1,335	\$855	\$0	\$855	\$480
2	Construction Services		\$21,390	\$0	\$21,390	\$14,371	\$3,000	\$17,371	\$4,019
3	Construction Completion Report		\$4,007	\$0	\$4,007	\$0	\$1,184	\$1,184	\$2,823
4	MMIP		\$2,707	\$0	\$2,707	\$0	\$0	\$0	\$2,707
	<b>TOTAL</b>		<b>\$29,439</b>	<b>\$0</b>	<b>\$29,439</b>	<b>\$15,226</b>	<b>\$4,184</b>	<b>\$19,410</b>	<b>\$10,029</b>