

**AGENDA**

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**

**March 11, 2014**

**6:30 p.m.**

**LOUDON COUNTY COURTHOUSE ANNEX**

**Loudon, Tennessee**

1. Call to Order
2. Approval of Minutes – February 11, 2014
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Brown & Caldwell Update – Site Utilization and Waste Alternatives Workshop
7. Attorney's Report – 2013 Audit
8. Chairman's Report
9. Other Items of Commission's Consideration
10. Adjourn

MONTHLY CASH REPORT

February OF 2014

**CASH RECEIPTS:**

Landfill Host Fees	_____
Closure/Post Clo. Security Fees	_____
Interest Received	231.80
Tire Grants	_____
Other: _____	_____

**Total Monthly Revenue:** \_\_\_\_\_ 231.80

**CASH DISBURSEMENTS:**

Commissioner Meeting Pymts.	250.00
Commissioner Travel/Seminar	550.00
Meeting Expense	_____
Legal Services	3,218.90
Audit/Accounting Services	_____
Consultants	_____
Trustee's Commission	_____
Debt Service/Loudon - Water Lines	_____
Santek-Tire Grant	_____
Engineering Services	_____
Office Supplies	_____
Building and Contents Insurance	_____
Other: _____	_____
Other: Contracted Svc-Mowing	_____

**Total Monthly Expense:** \_\_\_\_\_ 4,018.90

Change in Net Assets: \_\_\_\_\_ (3,787.10)

BEGINNING CASH BALANCE: \$ \_\_\_\_\_ 2,735,436.29

CLOSURE RESERVES:	\$ 1,147,287.00
<b>Total Closure Reserves and General Account</b>	<b>\$ 2,731,649.19</b>
GENERAL ACCOUNT:	\$ 1,584,362.19

ENDING CASH BALANCE: \$ \_\_\_\_\_ 2,731,649.19

CHANGE IN CASH POSITION \_\_\_\_\_ \$ (3,787.10)

THE KEY TO (DUAL) SECURITY - HEAT ACTIVATED THUMB PRINT - ADDITIONAL SECURITY FEATURES INCLUDED - SEE BACK FOR DETAILS

**SANTEK WASTE SERVICES, INC.**  
 650 25th STREET, NW  
 SUITE 100  
 CLEVELAND, TN 37311  
 PHONE: 423-478-8180

FIRST TENNESSEE BANK  
 CHATTANOOGA, TENNESSEE 37403

**171122**

DATE	CHECK NO.	AMOUNT
2/26/14	171122	\$30,056.97

\*\*\*Thirty thousand fifty-six and 97 / 100 Dollars\*\*\*

PAY TO THE ORDER OF

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**  
 100 RIVER ROAD ATTN: CHAIR  
 P.O. BOX 351  
 LOUDON, TN 37774

SANTEK WASTE SERVICES, INC.  
 AUTHORIZED SIGNATURE  
 AUTHORIZED SIGNATURE

⑈ 171122 ⑆ ⑆ 0613003670 ⑆ 184585885 ⑆

**BID/DEPOSIT HERE:**

**FOR DEPOSIT ONLY**  
 LOUDON COUNTY  
 TRUSTEE

DO NOT WRITE, STAMP OR SIGN BELOW THIS LINE  
 RESERVED FOR FINANCIAL INSTITUTION USE

CHEMICAL WASH DETECTION  
 COLOR INSIDE THIS  
 PADLOCK AREA

SHOULD BE WHITE

The security features listed below are essential indicators of a genuine...  
 Federal Reserve Board of Governors REG. CC

\$ 11,875.<sup>46</sup> HOST FEES  
 \$ 18,181.<sup>00</sup> SECURITY FEES



650 25th Street, N.W., Suite 100  
Cleveland, Tennessee 37311  
(423) 303-7101  
Toll Free: (800) 467-9160

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

**Monthly Operations Report**  
**Matlock Bend Landfill**  
**March 11, 2014**  
**Presented by:**  
**Santek Environmental, Inc.**

- I. OPERATIONS**
  - A. Tonnage Report
  - B. Customer Report
  - C. Inspection
  - D. Materials Classification Report
  - E. Tire Report
  
- II. ENGINEERING**
  - A. Remaining Airspace Utilization Schedule
  - B. Reaming Life Estimate
  - C. Status of Major Permit Modification & NOD
  
- III. HOST & SECURITY FEES**

**LANDFILL TONNAGE VOLUME  
MONTH ENDING -  
FEBRUARY 2014**

**MATLOCK BEND LANDFILL**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	21183.26	18181.51	-3001.75
FEBRUARY	18784.45	18827.30	42.85
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>39967.71</b>	<b>37008.81</b>	<b>(2,958.90)</b>

**DAILY AVG FOR ANY  
RUNNING 30 DAY  
PERIOD 672.40**

**CITY OF LOUDON**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	361.29	326.75	-34.54
FEBRUARY	303.30	322.26	18.96
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>664.59</b>	<b>649.01</b>	<b>(15.58)</b>

**LOUDON COUNTY**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	453.60	413.74	-39.86
FEBRUARY	384.82	391.37	6.55
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>838.42</b>	<b>805.11</b>	<b>-33.31</b>

**WASTE SERVICES OF TN**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	4596.48	5007.47	410.99
FEBRUARY	5069.18	4363.83	-705.35
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>9665.66</b>	<b>9371.30</b>	<b>(294.36)</b>

**LENOIR CITY**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	297.14	255.87	-41.27
FEBRUARY	261.57	256.28	-5.29
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>558.71</b>	<b>512.15</b>	<b>(46.56)</b>

**TENNESSEE TRASH**

MONTH	2013		TO 2014
	2013	2014	
JANUARY	1525.76	1509.64	-16.12
FEBRUARY	1358.88	1560.54	201.66
MARCH			0.00
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
<b>TOTAL</b>	<b>2884.64</b>	<b>3070.18</b>	<b>185.54</b>



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF SOLID WASTE MANAGEMENT  
SOLID WASTE DISPOSAL FACILITY EVALUATION**

NAME OF SITE <i>MATLOCK Beach Landfill</i>		REGISTRATION NUMBER <i>SNL53-0203</i>		DATE <i>3/6/14</i>		
LOCATION (physical) <i>Hwy 72 North off I-75 Weldon</i>			PURPOSE <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Follow-up <input type="checkbox"/> Complaint <input type="checkbox"/> Other			
OWNER/OPERATOR <i>LCSWB / Sontek - Lewis H. Sontek</i>			TYPE OF FACILITY <input type="checkbox"/> CLASS I <input type="checkbox"/> CLASS II <input type="checkbox"/> CLASS III <input type="checkbox"/> CLASS IV			
		V1	V2		V1	V2
Inadequate vector control	8010	___	___	Leachate improperly managed	8330	___
Access not limited to operating hours	8020	___	___	Inadequate leachate collection system	8340	___
Inadequate artificial or natural barrier	8030	___	___	Leachate observed at the site	8350	___
Inadequate information signs	8040	___	___	Leachate entering runoff	8360	___
Unsatisfactory access road(s)/parking area(s)	8050	___	___	Leachate entering a water course	8370	___
Certified personnel not present during operating hours	8060	___	___	Inadequate gas migration control system	8380	___
Unapproved salvaging of waste	8070	___	___	Inadequate maintenance of gas migration control system	8390	___
Evidence of open burning	8080	___	___	Potential for explosions or uncontrolled fires	8420	___
Inadequate fire protection	8090	___	___	Waste not confined to a manageable area	8430	___
Unsatisfactory litter control	8110	___	___	Improper spreading of waste	8440	___
Inadequate employee facilities	8120	___	___	Improper compacting of waste	8450	___
No communication devices	8130	___	___	Unsatisfactory initial cover	8460	___
Inadequate operating equipment	8140	___	___	Unsatisfactory intermediate cover	8470	___
Unavailability of backup equipment	8150	___	___	Unsatisfactory final cover	8480	___
Unavailability of cover material	8160	___	___	Excessive pooling of water	8490	___
Inadequate maintenance of runoff/runoff system(s)	8170	___	___	Unsatisfactory stabilization of cover	8510	___
Inadequate erosion control	8180	___	___	Dumping of waste into water	8520	___
Inadequate dust control	8190	___	___	Unsatisfactory records or reports	8530	___
Unauthorized waste accepted	8210	___	___	Groundwater monitoring system improperly maintained	8540	___
Unapproved special waste accepted	8220	___	___	Operation does not correspond with engineering plans	8570	___
Tires improperly handled	8230	___	___	Operation does not correspond with permit condition(s)	8580	___
Medical waste improperly handled	8240	___	___	Permit, plans, operating manual not available	8590	___
Dead animals improperly handled	8250	___	___	No operating scales	8610	___
Washout of solid waste	8270	___	___			
No permanent benchmark	8280	___	___			
Inadequate random inspection program	8290	___	___			
Mishandling of special waste	8300	___	___			
Buffer zone standard violated	8310	___	___			
Inadequate maintenance of leachate management system	8320	___	___			
COMMENTS: <i>NO Violations</i>						
PERSON INTERVIEWED (Signature) <i>[Signature]</i>			INSPECTED BY (Signature) <i>[Signature]</i>			
TITLE <i>MANAGER</i>			TITLE <i>FPS</i>			
TIME OF DAY <i>10m</i>		WEATHER CONDITIONS <i>45°F cloudy</i>		COMPLIANCE DATE <i>N/A</i>		

Distribution: Facility - White      Field Office - Canary      Central Office - XC



**SOLID WASTE DISPOSAL FACILITY  
Post-Closure Inspection**

*Closed Landfill*

NAME OF SITE <i>Metlock Bend</i>		REGISTRATION NUMBER <i>SNL 53-0203</i>	DATE <i>3/6/14</i>
LOCATION (physical) <i>Hwy 72 off T-75 Loudon</i>		PURPOSE <input type="checkbox"/> Complete <input type="checkbox"/> Follow-up <input type="checkbox"/> Consultation <input type="checkbox"/> Complaint <input type="checkbox"/> Other	
OWNER/OPERATOR <i>LC SWB Bank - Lej. Higdon</i>		TYPE OF FACILITY <input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Class IV	
<b>FINAL COVER</b>			<b>V1</b> <b>V2</b>
-Unsatisfactory final cover (sloughing, cracks, etc.) .....			9010
-Pooling of water .....			9020
-Unsatisfactory stabilization of cover .....			9030
<b>EROSION/SEDIMENT CONTROL</b>			
-Inadequate erosion control .....			9040
-Washout of solid waste .....			9050
<b>RUN-ON/RUN-OFF CONTROL</b>			
-Inadequate maintenance of run-on/run-off systems(s) (ponds, ditches, etc.) .....			9060
<b>LEACHATE CONTROL</b>			
-Leachate observed at site .....			9070
-Leachate entering run-off .....			9080
-Leachate entering a water course .....			9090
-Inadequate maintenance of leachate collection and removal system .....			9110
<b>GAS MANAGEMENT SYSTEM</b>			
-Inadequate gas migration control system .....			9120
-Inadequate maintenance of gas migration control system .....			9130
<b>GROUNDWATER MONITORING SYSTEM</b>			
-Groundwater monitoring system improperly maintained .....			9140
-Groundwater protection standard violated .....			9150
-Unapproved/inadequate groundwater monitoring methods .....			9160
<b>SITE ACCESS</b>			
-Inadequate artificial or natural barrier .....			9170
<b>GENERAL</b>			
-Facility does not correspond with permit condition(s) .....			9180
<b>COMMENTS:</b> <i>Some area to fill. Add fill dirt as areas sink. map is thick.</i>			
PERSON INTERVIEWED (Signature) <i>[Signature]</i>		INSPECTED BY (Signature) <i>[Signature]</i>	
TITLE <i>MANAGER</i>		TITLE <i>EPSY</i>	
TIME OF DAY <i>1pm</i>	WEATHER CONDITIONS <i>45°F cloudy</i>	COMPLIANCE DATE <i>N/A</i>	

**Materials Classification Report**  
**Matlock Bend Landfill**  
**Monthly Tonnage Summary February 2014**

Material	Tonnage	2011 Sludge %		2012 Sludge %	
<b>MSW</b>		January	xx	January	6%
		February	xx	February	8%
MSW	<u>6,026</u>	March	16%	March	8%
<b>Special Waste</b>		April	12%	April	9%
		May	13%	May	8%
Other	9,617	June	12%	June	8%
Ash	717	July	11%	July	11%
Sludge	<u>2,468</u>	August	8%	August	10%
<b>Total Special Waste</b>	<u><b>12,801</b></u>	September	6%	September	10%
		October	6%	October	12%
		November	6%	November	10%
		December	7%	December	10%
<b>Total MSW &amp; SW</b>	<b>18,827</b>				
Tires	32	<b>2013 Sludge %</b>		<b>2014 Sludge %</b>	
<b>Total Material</b>	<u><b>18,859</b></u>	January	11%	January	12%
<b>% MSW</b>	<u>32%</u>	February	13%	February	13%
<b>% Special Waste</b>	<u>68%</u>	March	12%	March	xx
<b>% Sludge</b>	<u>13%</u>	April	12%	April	xx
		May	10%	May	xx
		June	13%	June	xx
		July	11%	July	xx
		August	9%	August	xx
		September	12%	September	xx
		October	10%	October	xx
		November	12%	November	xx
		December	13%	December	xx

**2013-2014 Matlock Bend  
Landfill Tire Report**

<b>Month</b>	<b>Tonnage</b>
Jul-13	21.05
Aug-13	15.02
Sep-13	39.75
Oct-13	57.56
Nov-13	16.91
Dec-13	21.67
Jan-14	37.05
Feb-14	38.06
Mar-14	
Apr-14	
May-14	
Jun-14	
<b>Total (tons)</b>	<b>247.07</b>

## Matlock Bend Landfill - Module H 2014 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)
		18,773		1.07		
Sept. 20, 2013	576,461	-	-	-	-	-
Sept. 21-30, 2013	-	7,424	A	1.07	7,944	568,517
October	-	21,656	A	1.07	23,171	545,346
November	-	17,454	A	1.07	18,675	526,670
December	-	19,297	A	1.07	20,647	506,023
January '14	-	18,195	A	1.07	19,469	486,554
February	-	18,828	A	1.07	20,146	466,408
March	-	18,773	P	1.07	20,087	446,321
April	-	18,773	P	1.07	20,087	426,234
May	-	18,773	P	1.07	20,087	406,147
June	-	18,773	P	1.07	20,087	386,059
July	-	18,773	P	1.07	20,087	365,972
August	-	18,773	P	1.07	20,087	345,885
September	-	18,773	P	1.07	20,087	325,798
October	-	18,773	P	1.07	20,087	305,711
November	-	18,773	P	1.07	20,087	285,623
December	-	18,773	P	1.07	20,087	265,536

<sup>1</sup> = Remaining airspace based on Sept. 20, 2013 aerial survey.

Full Date

February-2016

<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 = 1.32 cy/ton)

### Tonnage for Past 3 Months

December	19,297
January	18,195
February	18,828
<b>Average</b>	<b>18,773</b>

cc: Matt  
Rob  
Cheryl  
Ron  
Chris  
Levi  
Jason

February 26, 2014



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

Email: mail@santekenviro.com  
Internet: www.santekenviro.com

Mr. Bassam Faleh  
Tennessee Department of Environment and Conservation  
Division of Solid Waste Management  
401 Church Street  
5<sup>th</sup> Floor, L&C Tower  
Nashville, TN 37243-1535

Re: Remaining Life Form – Matlock Bend Landfill  
SNL 53-103-0203

Dear Mr. Faleh:

As required by Tennessee Rule 0400-11-01-.04(2)(t), enclosed is the "Estimate of Remaining Landfill Life" form for the Matlock Bend Landfill.

The annual tonnage received at the Matlock Bend Landfill during 2013 was 252,098 tons. Using 273 operational days per year, further calculation results in approximately 923 tons per day in 2013. Of the 40 acres of the permitted sanitary landfill site, approximately 32.3 acres have been developed and are being utilized for waste disposal.

The total airspace permitted is 4,748,110 cy. The airspace remaining as of September 20, 2013 is 2,128,859 cy. This is the volume available for waste and operational soil. The average consumption of airspace is calculated to be 1.32 cy/ton; this also is waste and required operational cover soil. Using 273 operational days per year, the calculated life is 6.4 years.

If you have any questions or comments regarding the information provided, please contact me at (423) 303-7101.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Vail", is written over a white background.

Ron E. Vail, P.E.  
Vice President of Engineering

Enclosure

cc: Mr. Steve Field, Loudon County Solid Waste Department Chairman  
Mr. Matt Dillard, Executive V.P. of Operations, Santek  
Mr. Robert D. Burnette, P.E., Executive V.P. of Engineering, Santek  
Mrs. Cheryl Dunson, Executive V..P. of Marketing, Santek  
Mr. Levi Higdon, Landfill Manager, Santek

2014 ESTIMATE OF REMAINING LANDFILL LIFE

Registration No. SNL 53-103-0203

Name of Site Matlock Bend Landfill

Location 21712 Highway 72 North, Loudon, TN

Owner Loudon County

Estimated Remaining Life of Site in Years 6 Months 5 as of Sept. 20, 2013 (Aerial Date)

Average Daily Weight (in tons) or Volume (cubic yards) of Waste Received:

923 Tons per day, or 1,218 Cubic yards per day

273 Number of days/operation per week

40 Number of Usable Acres Originally

7.7 Remaining Number of Usable Acres

Signature of person preparing form: 

Print name: Ron E. Vail, P.E.

Title: Vice President of Engineering

Date prepared: 2/26/14

Spaces Below This Line For Office Use Only

-----  
Reviewed by Solid Waste Representative \_\_\_\_\_

Agree with Estimate Yes \_\_\_\_\_ No \_\_\_\_\_

If Disagree With Estimate, Give Own Estimate \_\_\_\_\_ Years \_\_\_\_\_ Months

Date of Review \_\_\_\_\_

# SANTEK



Waste Services

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

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

March 10, 2014

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 February 1, 2014 to February 28, 2014:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$305,409.57
Host Fee Percentage	4.00%
	<u>\$ 12,216.38</u>
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	18,827.30
Rate per ton	\$ 1.00
Total	<u>\$ 18,827.30</u>
Total Tip Fees Billed	\$305,409.57
Security Fee Percentage	5.00%
	<u>\$ 15,270.48</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,

Andrew Kandy  
Regional Controller