

AGENDA

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

March 13, 2012

6:30 p.m.

LOUDON COUNTY COURTHOUSE ANNEX

Loudon, Tennessee

1. Call to Order
2. Approval of the Minutes – February 14, 2012
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Attorney's Report
7. Development of Master Site Plan
8. Closure/Post-Closure Estimates
9. Other Items of Consideration
10. Adjourn

**Monthly Operations Report
Matlock Bend Landfill
March 13, 2012
Presented by:
Santek Environmental, Inc.**



650 25th Street, N.W., Suite 100
Cleveland, Tennessee 37311
(423) 476-9160
Toll Free: (800) 467-9160
Fax: (423) 479-1952

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

- I. OPERATIONS**
 - A. Tonnage Report
 - B. Customer Report
 - C. Materials Classification Report
 - D. Inspection
 - E. Tire Report
 - F. New Sign at Landfill

- II. ENGINEERING**
 - A. Remaining Airspace Utilization Schedule
 - B. Status of Topographic Aerial Survey and Drawings

- III. HOST & SECURITY FEES**

**LANDFILL TONNAGE VOLUME
MONTH ENDING -
FEBRUARY 2012**

MATLOCK BEND LANDFILL

MONTH	2011	2012	2011 TO 2012
JANUARY	12263.30	21228.22	8964.92
FEBRUARY	14311.55	19725.24	5413.69
MARCH	21861.87		
APRIL	19200.92		
MAY	19189.17		
JUNE	18316.34		
JULY	17378.46		
AUGUST	25383.15		
SEPTEMBER	22528.42		
OCTOBER	21370.05		
NOVEMBER	25184.76		
DECEMBER	19804.15		
TOTAL	236792.14	40953.46	14,378.61

LOUDON COUNTY

MONTH	2011	2012	2011 TO 2012
JANUARY	435.27	455.80	20.53
FEBRUARY	404.63	434.11	29.48
MARCH	474.86		
APRIL	466.94		
MAY	468.57		
JUNE	480.37		
JULY	470.47		
AUGUST	459.32		
SEPTEMBER	447.25		
OCTOBER	439.67		
NOVEMBER	470.12		
DECEMBER	502.73		
TOTAL	5520.20	889.91	50.01

LENOIR CITY

MONTH	2011	2012	2011 TO 2012
JANUARY	266.42	284.88	18.46
FEBRUARY	271.36	283.75	12.39
MARCH	371.20		
APRIL	359.97		
MAY	360.17		
JUNE	365.29		
JULY	351.96		
AUGUST	334.38		
SEPTEMBER	450.84		
OCTOBER	325.24		
NOVEMBER	297.36		
DECEMBER	314.40		
TOTAL	4068.59	568.63	30.85

DAILY AVG FOR ANY
RUNNING 30 DAY
PERIOD

688.00

CITY OF LOUDON

MONTH	2011	2012	2011 TO 2012
JANUARY	323.05	360.21	37.16
FEBRUARY	321.96	332.91	10.95
MARCH	402.55		
APRIL	394.02		
MAY	402.53		
JUNE	405.65		
JULY	419.74		
AUGUST	424.56		
SEPTEMBER	374.30		
OCTOBER	373.74		
NOVEMBER	357.31		
DECEMBER	375.50		
TOTAL	4574.91	693.12	48.11

WASTE SERVICES OF TN

MONTH	2011	2012	2011 TO 2012
JANUARY	4347.31	3697.81	-649.50
FEBRUARY	4637.87	3731.86	-906.01
MARCH	6678.49		
APRIL	5450.54		
MAY	7030.55		
JUNE	6076.54		
JULY	6536.20		
AUGUST	7337.91		
SEPTEMBER	3318.35		
OCTOBER	3415.25		
NOVEMBER	4087.34		
DECEMBER	3386.00		
TOTAL	62302.35	7429.67	(1,555.51)

WASTE CONNECTIONS

MONTH	2011	2012	2011 TO 2012
JANUARY	49.15	0.00	-49.15
FEBRUARY	0.00	30.22	30.22
MARCH	31.91		
APRIL	11.40		
MAY	100.53		
JUNE	7.70		
JULY	0.00		
AUGUST	13.09		
SEPTEMBER	0.00		
OCTOBER	17.41		
NOVEMBER	0.00		
DECEMBER	85.10		
TOTAL	316.29	30.22	(18.93)

**LANDFILL TONNAGE VOLUME
MONTH ENDING -
FEBRUARY 2012**

KIMBERLY CLARK - ASH

MONTH	2011	2012	2011 TO 2012
JANUARY	521.90	0.00	-521.90
FEBRUARY	0.00	0.00	0.00
MARCH	809.09		
APRIL	755.23		
MAY	640.15		
JUNE	1124.46		
JULY	1176.65		
AUGUST	1033.96		
SEPTEMBER	57.68		
OCTOBER	723.97		
NOVEMBER	132.45		
DECEMBER	0.00		
TOTAL	6995.54	0.00	(521.90)

TATE & LYLE - SLUDGE

MONTH	2011	2012	2011 TO 2012
JANUARY	1447.96	1264.44	-183.52
FEBRUARY	2308.09	1593.58	-714.51
MARCH	2691.51		
APRIL	1894.03		
MAY	2368.16		
JUNE	2083.81		
JULY	1775.29		
AUGUST	1870.47		
SEPTEMBER	1108.93		
OCTOBER	1080.24		
NOVEMBER	1389.93		
DECEMBER	1128.19		
TOTAL	21146.61	2858.02	(898.03)

PSC METALS INC

MONTH	2011	2012	2011 TO 2012
JANUARY	944.37	5439.68	4495.31
FEBRUARY	3499.07	3937.54	438.47
MARCH	5743.05		
APRIL	4352.13		
MAY	3551.34		
JUNE	3637.91		
JULY	2305.75		
AUGUST	4901.35		
SEPTEMBER	4784.14		
OCTOBER	4247.48		
NOVEMBER	4596.66		
DECEMBER	3740.92		
TOTAL	46304.17	9377.22	4,933.78

TATE & LYLE - ASH

MONTH	2011	2012	2011 TO 2012
JANUARY	1447.96	958.79	-489.17
FEBRUARY	756.49	470.78	-285.71
MARCH	2140.97		
APRIL	1896.27		
MAY	3055.98		
JUNE	2362.07		
JULY	2699.09		
AUGUST	3473.16		
SEPTEMBER	622.29		
OCTOBER	963.44		
NOVEMBER	830.44		
DECEMBER	808.75		
TOTAL	21056.91	1429.57	(774.88)

Materials Classification Report

Matlock Bend Landfill Monthly Tonnage Summaries

Material	February - 12	Unit
<u>MSW</u>		
MSW	5,632	Tons
<u>Special Waste</u>		
Other	11,847	Tons
Ash	602	Tons
Sludge	1,690	Tons
Total Special Waste	14,139	
Total Material	19,771	
% MSW	28%	
% Special Waste	72%	
% Sludge	6%	



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

NAME OF SITE <i>London County Landfill</i>		REGISTRATION NUMBER <i>SNL 53-0203</i>	DATE <i>March 8 2012</i>
LOCATION (physical) <i>Highway 72 west of London</i>		PURPOSE <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Follow-up <input type="checkbox"/> Complaint <input type="checkbox"/> Other	
OWNER/OPERATOR <i>Owner: London Co. S. to Authority Operator: Sembel/Levi 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	
	V1 V2		V1 V2
Inadequate vector control	8010	___	___
Access not limited to operating hours	8020	___	___
Inadequate artificial or natural barrier	8030	___	___
Inadequate information signs	8040	___	___
Unsatisfactory access road(s)/parking area(s)	8050	___	___
Certified personnel not present during operating hours	8060	___	___
Unapproved salvaging of waste	8070	___	___
Evidence of open burning	8080	___	___
Inadequate fire protection	8090	___	___
Unsatisfactory litter control	8110	___	___
Inadequate employee facilities	8120	___	___
No communication devices	8130	___	___
Inadequate operating equipment	8140	___	___
Unavailability of backup equipment	8150	___	___
Unavailability of cover material	8160	___	___
Inadequate maintenance of runon/runoff system(s)	8170	___	___
Inadequate erosion control	8180	___	___
Inadequate dust control	8190	___	___
Unauthorized waste accepted	8210	___	___
Unapproved special waste accepted	8220	___	___
Tires improperly handled	8230	___	___
Medical waste improperly handled	8240	___	___
Dead animals improperly handled	8250	___	___
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	___	___
		Leachate improperly managed	8330
		Inadequate leachate collection system	8340
		Leachate observed at the site	8350
		Leachate entering runoff	8360
		Leachate entering a water course	8370
		Inadequate gas migration control system	8380
		Inadequate maintenance of gas migration control system	8390
		Potential for explosions or uncontrolled fires	8420
		Waste not confined to a manageable area	8430
		Improper spreading of waste	8440
		Improper compacting of waste	8450
		Unsatisfactory initial cover	8460
		Unsatisfactory intermediate cover	8470
		Unsatisfactory final cover	8480
		Excessive pooling of water	8490
		Unsatisfactory stabilization of cover	8510
		Dumping of waste into water	8520
		Unsatisfactory records or reports	8530
		Groundwater monitoring system improperly maintained	8540
		Operation does not correspond with engineering plans	8570
		Operation does not correspond with permit condition(s)	8580
		Permit, plans, operating manual not available	8590
		No operating scales	8610
COMMENTS: <i>Landfill looks good in general, a few small leachate seeps were repaired in the old slide area, none are active today. A few places have some waste showing through cover and or rough grading when it was wet, these places need grading and additional soil. They are excavating to base grade for Module "H". They have all of the liner covered and a good shape to be working today, waste is firm enough to run the compactor over it.</i>			
PERSON INTERVIEWED (Signature) <i>[Signature]</i>		INSPECTED BY (Signature) <i>[Signature]</i>	
TITLE <i>Manager</i>		TITLE <i>Environmental Engineer</i>	
TIME OF DAY <i>10:30-11:15 AM</i>	WEATHER CONDITIONS <i>Cloudy, 60/5</i>	COMPLIANCE DATE	

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

**2011-2012 Matlock Bend
Landfill Tire Report**

Month	Tonnage
Jul-11	17.06
Aug-11	30.5
Sep-11	21.45
Oct-11	39.07
Nov-11	13.12
Dec-11	37.99
Jan-12	29.86
Feb-12	15.76
Mar-12	
Apr-12	
May-12	
Jun-12	
Total (tons)	204.81



**MATLOCK BEND
SANITARY LANDFILL**
HOURS OF OPERATION
Monday - Friday 7:30am - 4:00pm
Saturday 7:30am - 12:00 Noon
EMERGENCY CALL: 911
EMERGENCY CALL ONLY

LOUDON COUNTY
Stop Litter
TENNESSEE'S HAD ENOUGH
Sponsored by TDOT and Keep Tennessee Beautiful

Installed last week

Matlock Bend Landfill 2012 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)
		20,253		1.35		
Oct. 2, 2011	562,069	-	-	-	-	-
Oct. 3-31, 2011	-	21,122	A	1.35	28,514	533,555
November	-	25,185	A	1.35	33,999	499,556
December	-	19,804	A	1.35	26,736	472,820
January ' 12	-	21,228	A	1.35	28,658	444,162
February	-	19,725	A	1.35	26,629	417,533
March	-	20,253	P	1.35	27,341	390,192
April	-	20,253	P	1.35	27,341	362,851
May	-	20,253	P	1.35	27,341	335,510
June	-	20,253	P	1.35	27,341	308,169
July	-	20,253	P	1.35	27,341	280,828
August	-	20,253	P	1.35	27,341	253,487
September	-	20,253	P	1.35	27,341	226,146
October	-	20,253	P	1.35	27,341	198,806
November	-	20,253	P	1.35	27,341	171,465
December	-	20,253	P	1.35	27,341	144,124

¹ = Remaining airspace based on Oct. 2, 2011 aerial survey.

Full Date - Module F & G

June-2013

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

³ = Utilization rate based on the annual utilization rate per October 27, 2008 construction meeting (Avg. Utilization = 1.46 cy/ton)

Tonnage for Past 3 Months

December	19,804
January	21,228
February	19,725
Average	20,253

cc: Matt
Rob
Kenny F.
Cheryl
Ron
Chris
Levi
David M.
Jason

March 13, 2012



SANTEK
ENVIRONMENTAL

650 25th Street, N.W., Suite 100
Cleveland, Tennessee 37311
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Internet: www.santekenviro.com

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, 2012 to February 29, 2012:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$329,184.49
Host Fee Percentage	<u>4.00%</u>
	\$ 13,167.38
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	19,725.24
Rate per ton	<u>\$ 1.00</u>
Total	\$ 19,725.24
Total Tip Fees Billed	\$329,184.49
Security Fee Percentage	<u>5.00%</u>
	\$ 16,459.22

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,

Ray D. Stewart
Assistant V.P. of Finance

*Landfill Solutions Under
Local Government's Authority.*

**Loudon County Solid Waste Disposal Commission
Management's Discussion and Analysis
June 30, 2011**

Introduction

This discussion and analysis is intended to be an introduction to the financial statements and notes that follow this section and should be read in conjunction with them. The Loudon County Solid Waste Disposal Commission ("LCSWDC") is a governmental agency created by Loudon County, the City of Lenoir City and the City of Loudon to operate and manage the Matlock Bend Landfill in Loudon, Tennessee. The Commission also serves as the Municipal Solid Waste Region Board for the Loudon County Solid Waste Region under the Solid Waste Management Act of 1991.

Financial Statement Review

The financial statements herein are comprised of the statement of net assets, the statement of revenue, expenses and changes in net assets, the statement of cash flows and the accompanying notes to the financial statements.

Financial Highlights as of June 30:

The statement of net assets presents information on all LCSWDC's assets and liabilities. Current assets as well as other assets and liabilities are reported in order of their liquidity. The table below presents the significant components of net assets:

Condensed statements of net assets

	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Assets:				
Current and other	\$ 2,440,755	\$ 2,445,039	\$ 2,796,660	\$ 2,563,062
Capital	<u>1,029,249</u>	<u>836,530</u>	<u>271,704</u>	<u>273,508</u>
Total assets	<u>3,470,004</u>	<u>3,281,569</u>	<u>3,068,365</u>	<u>2,836,570</u>
Liabilities:				
Current	23,332	52,329	6,047	15,357
Long-term	<u>3,664,938</u>	<u>3,219,386</u>	<u>2,976,979</u>	<u>2,736,065</u>
Total liabilities	<u>3,688,270</u>	<u>3,271,715</u>	<u>2,983,026</u>	<u>2,751,422</u>
Net assets:				
Invested in capital assets	1,029,249	836,530	271,704	273,508
Unrestricted (deficit)	<u>(1,247,515)</u>	<u>(826,676)</u>	<u>(186,365)</u>	<u>(188,360)</u>
Total net assets	(218,266)	9,854	85,339	85,148
Total liabilities and net assets	<u>\$ 3,470,004</u>	<u>\$ 3,281,569</u>	<u>\$ 3,068,365</u>	<u>\$ 2,836,570</u>

**Loudon County Solid Waste Disposal Commission
Management's Discussion and Analysis (continued)
June 30, 2011**

The statement of revenue, expenses and changes in net assets presents LCSWDC's results of operations. The table below is a condensed statement of revenue and expenses:

Condensed statements of revenue, expenses and changes in net assets

	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Operating revenue	\$ 324,133	\$ 261,592	\$ 316,829	\$ 882,570
Operating expenses	(571,914)	(376,646)	(364,848)	(974,543)
Depreciation and amortization	<u>(5,831)</u>	<u>(4,304)</u>	<u>(4,304)</u>	<u>(4,304)</u>
Net operating (loss)	(253,611)	(119,358)	(52,323)	(96,277)
Non-operating income	<u>25,492</u>	<u>43,873</u>	<u>52,515</u>	<u>115,909</u>
Change in net assets	<u>\$ (228,120)</u>	<u>\$ (75,485)</u>	<u>\$ 191</u>	<u>\$ 19,632</u>

Results of Operations

LCSWDC shows a negative change in net assets due primarily to an increase in the utilized capacity of the landfill, which in turn required a larger adjustment to the estimated liability for closure and post closure costs than in previous years. The increased utilization of the landfill during the year resulted in a \$203,145 increase to the estimated liability for closure and post closure costs over the previous year's estimated costs of \$242,407. This increase in the estimated costs was offset by a \$7,877 positive variance in other operating expenses for the year to net an increase in total operating expenses of \$195,268 for the year.

One of the causes of the increased estimate of closure and post closure operating costs was a slope failure at the landfill that occurred in November of 2010 (see Item I in the Notes to the Financial Statements for additional information regarding such failure), which required the landfill's operator to rebuild the failed slope and add stabilizing fill material. These remedial measures used up some of the landfill's remaining capacity (thereby increasing the accrued expense for the estimated closure and post closure costs) without any corresponding increase in operating revenues for the used capacity. The Commission is currently reviewing the effects of the slope failure on its reported results of operations and is continuing to monitor the negative change in net assets for any trends and needed changes in operations. As of June 30, 2011, as the Commission completed experienced its third full year of operationsng under its 20-year operations contract that commenced on October 1, 2007 and provides for the turn-key operation of Matlock Bend Landfill by the operator instead of the Commission.

The Statement of Cash Flows in the accompanying financial statements is presented using the direct method. This method outlines the sources and uses of cash as it relates to operating income. In addition, included in the Statement of Cash Flows are classifications for non-capital related financing, capital related financing and investing activities.

Capital Assets

Capital asset levels increased from the prior year due to the purchase of land adjoining the landfill in the

**Loudon County Solid Waste Disposal Commission
Management's Discussion and Analysis (continued)
June 30, 2011**

amount of \$198,549.

Request for Information

Questions concerning this report or other requests for additional information should be directed to Steve Field, Chairman at (865) 576-1057 or at his office located at 100 River Road, #106, Loudon, Tennessee 37774.

Respectfully submitted,

Steve Field,
Chairman



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

December 2, 2011

Mr. Steve Field, Chairman
Loudon County Solid Waste Commission
Loudon County Matlock Bend Class I Landfill
21712 Hwy 72 N
Loudon, Tennessee 37774

Dear Mr. Fields:

The Division has reviewed the Final Report as submitted by Geosyntec relative to the November 3rd waste slope failure at the Matlock Bend Class I Landfill. This third party assessment was purposed to determine root cause conditions and rehabilitation recommendations. This final version summarizes survey data taken throughout this year prior to, during, and after phases of work targeted to improve site conditions. Summary of the latest timeframe outlines the impact area is undergoing vertical settling and not downslope large scale instability. Reentry and grade control is being proposed as appropriate and expected to increase long term stabilization of the area. This Final Report is hereby accepted by the Division and satisfactorily concludes the last elements of the TDEC Order SWM 10-0009 issued relative to the slide last year.

As normal procedure if any detailed construction plans for the berm, footprint, or potential candle flares are different from the current permit, engineering drawings must be supplied to the Division as a permit modification. The Division directs quick response in the localized problem areas. Gas venting must be a top priority in the repair with the removal of any surface sumps. Maintain stormwater sampling until the site inspector confirms the areas have been successfully worked and covered with clean soil. Additionally the daily tally of waste composition can be kept on-site and must be available for review by inspectors similar to all site records.

If you have any question concerning this correspondence you may reach me at (865) 594-5474.

Yours truly,

Handwritten signature of Paula Plont in cursive.

Paula Plont
Environmental Protection Specialist
Division of Solid Waste Management
Knoxville Environmental Field Office

Handwritten signature of Revendra Awasthi in cursive, with "FOR PA" written to the right.

Revendra Awasthi
Environmental Field Office Manager
Division of Solid Waste Management
Knoxville Environmental Field Office

cc: Nashville – Enforcement Section, Teresa Boyer
Nashville – Glen Pugh
Santek – Robert Burnette

Thoughts on the Matlock Bend Master Plan Working Group:

Odd number of members

Suggest:

Ted Sitzlar

Jim Akins

Robert Harrison

Gordon Harless

John Goddard

Two local citizens:

Larry Jamison

??????

This Group will make a recommendation to the board for approval

Work with a consultant (Geosyntec, Brown & Caldwell, ??? + Santek)

Areas of LF development

Potential true surplus areas

Environmental issues – wetlands, sinkholes, blue line streams

What kind of timeframe for plan:

Near term – ten years

Middle term – ten to twenty years

Long term – up to 50 years

Other solid waste uses

Recycle Center

MRF lite

Other Solid Waste Business??

Green Waste Center

Tires?

Waste to energy

Utilization of land

Old LF site

Solar Array

Planting trees – tree farm – buffer areas, areas not needed in mid to long term

Other AG uses:

FFA/4H clubs

Livestock (cattle, sheep, goats...)

Total Estimated (permitted) airspace (cu yd) 4748640	Estimated permitted capacity as of October, 2011 annual reconciliation (cu yd) 2676640	LF at 56% estimated remaining capacity from October 2, 2011 annual reconciliation	Current conversion rate from cu yd to ton (cu yd/ton) 1.46	Estimated remaining permitted capacity (tons) 1833315
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Estimated liability at closure in 2030 (in 2012 dollars.) \$7,591,783	Total funds with Loudon County Trustee as of March 2012 \$2,185,088	Projected liability as of March 2012 (total liability minus available dollars today) \$5,406,695	Estimated dollars/ton needed to accommodate estimated closure liability given available capacity \$2.95
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