

**AGENDA**

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**

**August 14, 2012**

**6:30 p.m.**

**LOUDON COUNTY COURTHOUSE ANNEX**

**Loudon, Tennessee**

1. Call to Order
2. Approval of the Minutes – July 10, 2012
3. Items of Public Concern
4. Cash Activity Reports
5. Operations Report
6. Attorney's Report
7. Fifth Thursday Meeting with Stakeholders
8. Third-Party Financial Assessment & Compliance Evaluation
9. Viewshed Analysis
10. Other Items of Consideration
11. Adjourn



**MONTHLY CASH REPORT**

\_\_\_\_\_July\_\_\_\_\_OF\_\_\_\_\_2012\_\_\_\_\_

**CASH RECEIPTS:**

Landfill Host Fees	<u>14,017.72</u>
Closure/Post Clo. Security Fees	<u>19,009.85</u>
Interest Received	<u>294.52</u>
Tire Grants	<u>3,216.00</u>
Other: _____	_____

**Total Monthly Revenue:** \_\_\_\_\_ 36,538.09

**CASH DISBURSEMENTS:**

Commissioner Meeting Pymts.	<u>300.00</u>
Commissioner Travel/Seminar Meeting Expense	_____
Legal Services	<u>5,631.90</u>
Audit/Accounting Services	_____
Consultants	_____
Trustee's Commission	<u>330.28</u>
Debt Service/Loudon - Water Lines	<u>3,750.00</u>
Santek-Tire Grant	<u>3,855.00</u>
Engineering Services	_____
Office Supplies	_____
Building and Contents Insurance	_____
Other: <u>Contracted Services-Mowing</u>	_____

**Total Monthly Expense:** \_\_\_\_\_ 13,867.18

Change in Net Assets: \_\_\_\_\_ 22,670.91



BEGINNING CASH BALANCE: \$ \_\_\_\_\_ 2,338,628.03

CLOSURE RESERVES:	<u>\$ 861,736.38</u>
<b>Total Closure Reserves and General Account</b>	<b><u>\$ 2,361,298.94</u></b>
GENERAL ACCOUNT:	<u>\$ 1,499,562.56</u>

ENDING CASH BALANCE: \$ \_\_\_\_\_ 2,361,298.94

CHANGE IN CASH POSITION \_\_\_\_\_ \$ 22,670.91



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**Monthly Operations Report**  
**Matlock Bend Landfill**  
**August 14, 2012**  
**Presented by:**  
**Santek Environmental, Inc.**

- I. OPERATIONS**
  - A. Tonnage Report
  - B. Customer Report
  - C. Materials Classification Report
  - D. Inspections
  - E. Tire Report
  - F. Quarterly Waste Origin Report
  - G. Quarterly State Surcharge & Inspection Fee Report
  
- II. ENGINEERING**
  - A. Remaining Airspace Utilization Schedule
  - B. TDEC Cell Construction Inspection Letter
  
- III. HOST & SECURITY FEES**

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

**KIMBERLY CLARK - ASH**

MONTH	2011		2012		2011	
	2011	2012	TO 2011	TO 2012	TO 2011	TO 2012
JANUARY	521.90	0.00	-521.90			
FEBRUARY	0.00	0.00	0.00			
MARCH	809.09	0.00	-809.09			
APRIL	755.23	0.00	-755.23			
MAY	640.15	0.00	-640.15			
JUNE	1124.46	0.00	-1124.46			
JULY	1176.65	0.00	-1176.65			
AUGUST	1053.96					
SEPTEMBER	57.68					
OCTOBER	723.97					
NOVEMBER	132.45					
DECEMBER	0.00					
TOTAL	6995.54	0.00	(5,027.48)			

**TATE & LYLE - SLUDGE**

MONTH	2011		2012		2011	
	2011	2012	TO 2011	TO 2012	TO 2011	TO 2012
JANUARY	1447.96	1264.44	-183.52			
FEBRUARY	2308.09	1593.58	-714.51			
MARCH	2691.51	1693.49	-998.02			
APRIL	1894.03	1629.64	-264.39			
MAY	2368.16	1527.87	-840.29			
JUNE	2083.81	1447.61	-636.20			
JULY	1775.29	2192.48	417.19			
AUGUST	1870.47					
SEPTEMBER	1108.93					
OCTOBER	1080.24					
NOVEMBER	1389.93					
DECEMBER	1128.19					
TOTAL	21146.61	11349.11	(3,219.74)			

**PSC METALS INC**

MONTH	2011		2012		2011	
	2011	2012	TO 2011	TO 2012	TO 2011	TO 2012
JANUARY	944.37	5439.68	4495.31			
FEBRUARY	3496.07	3937.54	438.47			
MARCH	5743.05	4655.10	-1087.95			
APRIL	4352.13	3902.33	-449.80			
MAY	3551.34	4230.61	679.27			
JUNE	3637.91	2766.11	-871.80			
JULY	2305.75	2029.92	-275.83			
AUGUST	4901.35					
SEPTEMBER	4784.14					
OCTOBER	4247.48					
NOVEMBER	4596.66					
DECEMBER	3740.92					
TOTAL	46304.17	26961.29	2,927.67			

**TATE & LYLE - ASH**

MONTH	2011		2012		2011	
	2011	2012	TO 2011	TO 2012	TO 2011	TO 2012
JANUARY	1447.96	958.79	-489.17			
FEBRUARY	756.49	470.78	-285.71			
MARCH	2140.97	633.01	-1507.96			
APRIL	1896.27	894.70	-1001.57			
MAY	3055.98	1183.70	-1872.28			
JUNE	2362.07	1219.60	-1142.47			
JULY	2699.09	1090.55	-1608.54			
AUGUST	3473.16					
SEPTEMBER	622.29					
OCTOBER	963.44					
NOVEMBER	830.44					
DECEMBER	808.75					
TOTAL	21056.91	6451.13	(7,907.70)			

**KIMBERLY CLARK - PAPER WASTE**

MONTH	2011		2012		2011	
	2011	2012	TO 2011	TO 2012	TO 2011	TO 2012
JANUARY		7975.38	7975.38			
FEBRUARY		7790.53	7790.53			
MARCH		7790.86	7790.86			
APRIL		6201.17	6201.17			
MAY		7497.63	7497.63			
JUNE		7543.41	7543.41			
JULY		7927.52	7927.52			
AUGUST		6489.48	6489.48			
SEPTEMBER		9314.89	9314.89			
OCTOBER		8032.99	8032.99			
NOVEMBER		11561.17	11561.17			
DECEMBER		8141.51	8141.51			
TOTAL		45951.08	52726.50	50,315.46		

**LANDFILL TONNAGE VOLUME**  
**MONTH ENDING -**  
**JULY 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	21278.30	-583.57
APRIL	19200.92	18513.04	-687.88
MAY	19189.17	21187.33	1998.16
JUNE	18316.34	19009.85	693.51
JULY	17378.46	19732.59	2354.13
AUGUST	25383.15		
SEPTEMBER	22528.42		
OCTOBER	21370.05		
NOVEMBER	25184.76		
DECEMBER	19804.15		
TOTAL	236792.14	140674.57	18,152.96

DAILY AVG FOR ANY  
 RUNNING 30 DAY  
 PERIOD 657.75

**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	415.05	12.50
APRIL	394.02	370.06	-23.96
MAY	402.53	385.40	-17.13
JUNE	405.65	364.68	-40.97
JULY	419.74	404.44	-15.30
AUGUST	424.56		
SEPTEMBER	374.30		
OCTOBER	373.74		
NOVEMBER	357.31		
DECEMBER	375.50		
TOTAL	4574.91	2632.75	(36.75)

**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	500.25	25.39
APRIL	466.94	444.00	-22.94
MAY	468.57	476.95	8.38
JUNE	480.37	463.27	-17.10
JULY	470.47	496.37	25.90
AUGUST	459.32		
SEPTEMBER	447.25		
OCTOBER	439.67		
NOVEMBER	470.12		
DECEMBER	502.73		
TOTAL	5520.20	3270.75	69.64

**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	3915.26	-2763.23
APRIL	5450.54	4006.32	-1444.22
MAY	7030.55	4785.96	-2244.59
JUNE	6076.54	4263.01	-1813.53
JULY	6536.20	5067.34	-1468.86
AUGUST	7337.91		
SEPTEMBER	3318.35		
OCTOBER	3415.25		
NOVEMBER	4087.34		
DECEMBER	3386.00		
TOTAL	62302.35	29467.56	#####

**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	365.85	-5.35
APRIL	359.97	346.16	-13.81
MAY	360.17	340.93	-19.24
JUNE	365.29	320.28	-45.01
JULY	351.96	354.07	2.11
AUGUST	334.38		
SEPTEMBER	450.84		
OCTOBER	325.24		
NOVEMBER	297.36		
DECEMBER	314.40		
TOTAL	4068.59	2295.92	(50.45)

**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	0.00	-31.91
APRIL	11.40	0.00	-11.40
MAY	100.53	0.00	-100.53
JUNE	7.70	0.00	-7.70
JULY	0.00	0.00	0.00
AUGUST	13.09		
SEPTEMBER	0.00		
OCTOBER	17.41		
NOVEMBER	0.00		
DECEMBER	85.10		
TOTAL	316.29	30.22	(170.47)

**Materials Classification Report**  
**Matlock Bend Landfill**  
**Monthly Tonnage Summaries**

<b>Material</b>	<b>July - 12</b>	<b>Unit</b>
<u><b>MSW</b></u>		
MSW	6,244	Tons
<u><b>Special Waste</b></u>		
Other	9,996	Tons
Ash	1,229	Tons
Sludge	2,258	Tons
<b>Total Special Waste</b>	<u><u><b>13,483</b></u></u>	
<b>Total Material</b>	<u><u><b>19,727</b></u></u>	
<b>% MSW</b>	<u><u><b>32%</b></u></u>	
<b>% Special Waste</b>	<u><u><b>68%</b></u></u>	
<b>% Sludge</b>	<u><u><b>11%</b></u></u>	



**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>July 25 2012</i>	
LOCATION (physical) <i>off Hwy 2 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. Solid Authority Grants: Santek/Landlogon</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	___	___	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>Active operation looks good, relatively small tight working face, slopes are well graded, washouts from recent heavy rains have been mostly repaired and drainage ditches are functional. Some new grass is coming out after the rains.</i>					
PERSON INTERVIEWED (Signature) <i>[Signature]</i>			INSPECTED BY (Signature) <i>[Signature]</i>		
TITLE <i>Site Manager</i>			TITLE <i>Environmental Engineer</i>		
TIME OF DAY <i>10:00-10:30 AM</i>		WEATHER CONDITIONS <i>Sunny, 80's</i>		COMPLIANCE DATE <i>[Blank]</i>	

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



DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF SOLID WASTE MANAGEMENT

PURPOSE  
 Clay liner installation  
 FML Synthetic liner  
 Drainage layer construction  
 Interim     Final

INSPECTION CHECKLIST

Name of Site <u>London County Landfill</u>		Registration Number <u>SM 53-0203</u>	
Location <u>off Hwy 72 west of London</u>		Type of facility	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II
Owner/Operator <u>Over: Loudan Co. S.W. Precast: Santeq</u>		<input type="checkbox"/> Other (explain)	
Inspection Date <u>July 25 2012</u>	Time Inspection Began <u>10:00 AM</u>	Time Inspection Completed <u>10:15 AM</u>	Weather Conditions and Temperature <u>Sunny, 80's</u>

CLAY LINER			FML SYNTHETIC LINER		
	Yes	No		Yes	No
<b>Borrow Material</b>			<b>Material</b>		
- Are rocks larger than 2 inches present?	---	---	- Has liner been damaged during storage?	---	---
- Are any roots or debris present?	---	---	- Is FML proper thickness and type?	---	---
- Are borrow materials being field tested?	---	---	<b>Installation</b>		
- Is the soil cohesive?	---	---	- Is clay surface smooth and free of rocks?	---	---
<b>Placement</b>			- Is earth moving equipment kept off liner?	---	---
- Is subgrade (previous lift) scarified prior to placement?	---	---	- Is QA manager on site?	---	---
- Is subgrade drying out?	---	---	- Are seam surfaces clean and free of dirt?	---	---
- Are CQA personnel on site?	---	---	- Are liner anchors in conformance with design?	---	---
- Are loose lifts of proper thickness?	---	---	- Is liner weighted against wind?	---	---
- Is a water truck on site to protect the liner from desiccation?	---	---	<b>Testing</b>		
<b>Compaction</b>			- Have all seams been tested (or being tested)?	---	---
- Is compacted liner being field tested?	---	---	- Are destructive tests being performed?	---	---
- Do number of passes conform to plan?	---	---	- Are nondestructive tests being performed?	---	---
- Is equipment on site appropriate for construction of liner?	---	---	<b>DRAINAGE LAYER</b>		
<b>Surface Finishing</b>			<b>Material</b>	Yes	No
- Is the final lift smooth enough for placement of the geomembrane?	---	---	- Has geotextile been installed to protect FML (if necessary)?	<input checked="" type="checkbox"/>	---
<b>Protection</b>			- Is the FML exposed?	---	<input checked="" type="checkbox"/>
- Is the liner being protected from desiccation and freezing?	---	---	- Is drainage material free of dirt? <u>Some of it being replaced</u>	<input checked="" type="checkbox"/>	---
<b>Final Grading</b>			- Has (sand/aggregate) drainage material passed the minimum permeability specification?	<input checked="" type="checkbox"/>	---
- Has liner been surveyed to check grade and thickness?	---	---	<b>Placement Method</b>		
			- Does placement method protect FML?	<input checked="" type="checkbox"/>	---
			- Is QA manager on site?	<input checked="" type="checkbox"/>	---
			- Have leachate trenches been installed according to plans?	<input checked="" type="checkbox"/>	---
			<b>Geotextile</b>		
			- Does geotextile meet the requirements outlined in the plans?	<input checked="" type="checkbox"/>	---
			<b>Pipe</b>		
			- Does pipe meet the size and thickness requirements specified in the design plans/drawings?	<input checked="" type="checkbox"/>	---
			<b>Sumps</b>		
			- Do sump location, configuration and construction materials conform to the approved plans?	<input checked="" type="checkbox"/>	---

COMMENTS: Behind on final details due to recent heavy rains, still working on tie-in to cell above and sump and doing some gravel placement & spreading also removing some gravel that was silted from washout from slope above during very heavy rain events.

PERSON INTERVIEWED: [Signature] (Signature)    Site Manager (Title)  
 INSPECTED BY: [Signature] (Signature)    Environmental Engineer (Title)



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

NAME OF SITE <i>Loudon County Landfill</i>		REGISTRATION NUMBER <i>SNL 53-0203</i>		DATE <i>August 13 2012</i>		
LOCATION (physical) <i>Off Hwy D west of Loudon</i>		PURPOSE <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Follow-up <input type="checkbox"/> Complaint <input type="checkbox"/> Other				
OWNER/OPERATOR <i>County of Loudon Co. S.W. Authority Operator: Suntek/Lori Hester</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	___	___	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 runon/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: *They have finished the gravel layer for the new cell, all leachate line connections and the cell except electrical power to the sump pump) and have the access road (although they intend to widen it). OK to begin using the new cell as soon as piping is connected. Leachate from cell above is being routed around the cell, pipe connections are incomplete but need to be finished as quickly as possible. Active operation and overall site condition are good.*

PERSON INTERVIEWED (Signature) <i>[Signature]</i>	INSPECTED BY (Signature) <i>[Signature]</i>
TITLE <i>Site Manager</i>	TITLE <i>Environmental Engineer</i>
TIME OF DAY <i>10:00-11:00 am</i>	WEATHER CONDITIONS <i>Partly cloudy, 70s</i>
COMPLIANCE DATE	

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

2012-13  
**2011-2012 Matlock Bend  
Landfill Tire Report**

<b>Month</b>	<b>Tonnage</b>
Jul-11 <sup>12</sup>	29.45
Aug-11 <sup>12</sup>	
Sep-11 <sup>12</sup>	
Oct-11 <sup>12</sup>	
Nov-11 <sup>12</sup>	
Dec-11 <sup>12</sup>	
Jan-12 <sup>13</sup>	
Feb-12 <sup>13</sup>	
Mar-12 <sup>13</sup>	
Apr-12 <sup>13</sup>	
May-12 <sup>13</sup>	
Jun-12 <sup>13</sup>	
<b>Total (tons)</b>	<b>29.45</b>

Your data may not be considered complete by the Program Manager(s) of Tennessee Origin Reports until you click on the 'Submit to Program' button. In addition, the status of this form and the associated data may be edited at any time by the Program Manager(s) of Tennessee Origin Reports.



Program Information

[Program Status](#)

Landfill Origin Report

[Program Details](#)

Host:

Tennessee Department of Environment and Conservation

Website:

<http://www.tn.gov/environment/>

Program Manager

R. Ashby Barnes

[R.Ashby.Barnes@tn.gov](mailto:R.Ashby.Barnes@tn.gov)

(615) 532-8010

# Landfill Origin Report – 2012 – Quarter 2 (April to June)

## MATLOCK BEND LANDFILL

The following information shall be provided in accordance with TCA 68-211-862 which states:

- (a) The owner or operator of each Class I municipal solid waste disposal facility or incinerator or transfer station required to remit a surcharge under § 68-211-835(d) shall be responsible for keeping an accurate written record of all amounts and county of origin of solid waste, measured in tons, received at the facility. This information shall be submitted to the department.
- (b) Measurement in tons of solid waste received shall be accomplished by one (1) or more of the following methods:
  - (1) The provision of stationary or portable scales at the disposal facility or incinerator or transfer station for weighing incoming waste; or
  - (2) Implementation of contractual or other arrangements for the use of scales at a location other than the disposal facility, incinerator, or transfer station for weighing all waste destined for disposal at the facility.

### Tipping Fees

Advertised Tipping Fee per ton (\$): \*

*(Please enter only the tipping fee for material going into the Class I landfill)*

Advertised Tipping Fee per ton (\$):

*(If you have more than one tipping fee for material going into the Class I landfill, enter the second one here)*

### 1. Origin of Waste

Waste Received From:

- County
- Transfer Station
- Out of State

Select County:

Bradley

Amount of Waste Received (Tons):

Comments:

### 2. Origin of Waste

Waste Received From:

- County
- Transfer Station

Out of State

Select County:

Knox

Amount of Waste Received (Tons):

9,223.95

Comments:

### 3. Origin of Waste

Waste Received From:

- County
- Transfer Station
- Out of State

Select County:

Loudon

Amount of Waste Received (Tons):

48,139.20

Comments:

### 4. Origin of Waste

Waste Received From:

- County
- Transfer Station
- Out of State

Select County:

McMinn

Amount of Waste Received (Tons):

118.70

Comments:

### 5. Origin of Waste

Waste Received From:

- County

- Transfer Station
- Out of State

Select County:

Meigs

Amount of Waste Received (Tons):

1.39

Comments:

### 6. Origin of Waste

Waste Received From:

- County
- Transfer Station
- Out of State

Select County:

Monroe

Amount of Waste Received (Tons):

8.89

Comments:

### 7. Origin of Waste

Waste Received From:

- County
- Transfer Station
- Out of State

Select County:

Roane

Amount of Waste Received (Tons):

1,188.94

Comments:

Total Waste Received (Tons):

58,712.38

As Facility Contact, please type in your name to attest that the information included in the Origin Report has been reviewed for completeness, accuracy and is true to the best of your knowledge. \*

Jamie Miller

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DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 DIVISION OF Solid Waste Management- SWA  
 Quarterly Solid Waste Surcharge and Facility Inspection Fee Report

(Type or print. See reverse for instructions)

Facility ID Number:  
 SNL 53-103-0203

For Quarter Ending  
 June 30, 2012

Facility Name and Address:  
 Matlock Bend Landfill  
 Santek Environmental  
 650 25th St, NW, Suite 100  
 Cleveland, TN 37311  
 (Change if incorrect)

1. Facility Location  
 21712 HWY 72 North  
 Loudon, TN 37774

2. Facility Owner/Operator  
 Loudon County / Santek Environmental Inc

3. Telephone No.  
 (423) 203-7101

4. Amount of waste received during each month of reporting period (in tons):

First month of quarter	<u>18515.23</u>
Second month of quarter	<u>21187.32</u>
Third month of quarter	<u>79009.84</u>

REMITTANCE COPY

RETURN WITH PAYMENT

5. Total tons of waste received during reporting period: 58712.39

6(a). Surcharge: Total tons 58712.39 X \$0.90 = \$ 52841.15  
 (This fee to begin on July 01, 2007)

(b). Deduct 1% if paid on or before due date Less \$ 528.41  
 (This deduction to begin on July 01, 2007)

Total Surcharge \$ 52312.74

7. Facility Inspection Fee: Total tons 58712.39 X \$0.35 = \$ 20549.84

8. Outstanding debit or credit \$ 0

9. Total due \$ 72862.08

Make check or money order payable to the Treasurer, State of Tennessee. Payments are due January 31, April 30, July 31, and October 31.

10. I certify that the information in this report is true and correct.

*Jamie Miller* Staff Accountant 7/26/12

## Matlock Bend Landfill 2012 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)
		20,192		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	-	21,278	A	1.35	28,726	388,807
April	-	18,515	A	1.35	24,996	363,812
May	-	21,203	A	1.35	28,624	335,187
June	-	19,010	A	1.35	25,663	309,524
July	-	20,363	A	1.35	27,490	282,034
August	-	20,192	P	1.35	27,259	254,774
September	-	20,192	P	1.35	27,259	227,515
October	-	20,192	P	1.35	27,259	200,256
November	-	20,192	P	1.35	27,259	172,997
December	-	20,192	P	1.35	27,259	145,737

<sup>1</sup> = Remaining airspace based on Oct. 2, 2011 aerial survey.

Full Date - Module F & G

June-2013

<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 = 1.46 cy/ton)

### Tonnage for Past 3 Months

May	21,203
June	19,010
July	20,363
<b>Average</b>	<b>20,192</b>

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



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION

3711 MIDDLEBROOK PIKE  
KNOXVILLE, TN 37921-5602  
PHONE (865) 594-6035 STATEWIDE 1-888-891-8332 FAX (865) 594-6105

July 6, 2012

Mr. Steve Field, Chairman  
Loudon County Solid Waste Commission  
21712 Hwy 72N  
Loudon, TN 37774

RE: HDPE liner for new cell of the Loudon County Landfill,  
SNL 53-103-0203

Dear Mr. Field:

We conducted a field inspection of the HDPE liner installation project in the new cell of the Loudon County Landfill on July 5, 2012, and reviewed the available CQA testing field logs during the inspection. The test logs reviewed showed that the air pressure and vacuum tests for the seams either passed initially, or if they did not, the causes for the failures were located and repaired. Destructive test results were not available but were viewed later in the day from an email to our office, and passing results were obtained for all destructive tests. Based on our inspection and information review, we are hereby authorizing placement of the gravel drainage layer to begin after the leachate collection pipes are installed, in accordance with the procedures described in the original operation manual and cell construction plans and with the detailed construction plans for the current cell, with appropriate CQA oversight.

If you should have any questions concerning this matter, do not hesitate to contact me.

Yours truly,

A handwritten signature in black ink that reads "Rick Brown".

Rick Brown  
Environmental Engineer  
Division of Solid Waste Management



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

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

August 13, 2012

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 July 1, 2012 to July 31, 2012:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$334,979.14
Host Fee Percentage	<u>4.00%</u>
	<b>\$ 13,399.17</b>
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	19,732.59
Rate per ton	<u>\$ 1.00</u>
Total	<b>\$ 19,732.59</b>
Total Tip Fees Billed	\$334,979.14
Security Fee Percentage	<u>5.00%</u>
	<b>\$ 16,748.96</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 cursive script that reads "Andrew Kandy".

Andrew Kandy  
Regional Controller

**LOUDON COUNTY  
SOLID WASTE DISPOSAL COMMISSION**

(Revised 8-14-12)

**COMMISSIONER CONTACT INFORMATION**

<p><b>Work:</b> Steve Field, Chairman Loudon County Solid Waste Disposal Commission Loudon County Annex 101 Mulberry Street, Suite 102 Loudon, TN 37774</p>	<p>WORK PHONE: 865-576-1057 HOME PHONE: 865-986-9516 FAX: 865-458-6508 EMAIL: <a href="mailto:sm_field@bellsouth.net">sm_field@bellsouth.net</a> <b>Home:</b> Steve Field, Chairman 1240 Donna Drive Lenoir City, Tennessee 37771 (Loudon County Appointee – 5th District)</p>
<p>Robert Harrison, Secretary/Treasurer Post Office Box 767 Loudon, Tennessee 37774 (Loudon City Appointee – 1st District)</p>	<p>WORK PHONE: 865-740-5711 HOME PHONE: 865-458-5711 EMAIL: <a href="mailto:rharrison@ccim.net">rharrison@ccim.net</a> Mobile: 865-740-5711</p>
<p>Aprill Patterson, Commissioner 130 Riverpoint Drive Lenoir City, Tennessee 37772 (Loudon County Appointee – 6th District)</p>	<p>WORK PHONE: 865-241-2568 HOME PHONE: 865-988-3587 EMAIL: <a href="mailto:alacocoa@earthlink.net">alacocoa@earthlink.net</a></p>
<p>Jim Akins, Commissioner 315 E 3<sup>rd</sup> Avenue Lenoir City, Tennessee 37771 (Lenoir City Appointee – 2nd District)</p>	<p>WORK PHONE: HOME PHONE: 865-986-6755 EMAIL: <a href="mailto:RAKINSA@BELLSOUTH.NET">RAKINSA@BELLSOUTH.NET</a> MOBILE: 865-356-7437</p>
<p>Ted Sitzlar, Commissioner 25800 Highway 72 N Loudon, Tennessee 37774 (Loudon County Appointee – 1st District)</p>	<p>HOME PHONE: 865-458-9402 EMAIL: <a href="mailto:sitzman01@aol.com">sitzman01@aol.com</a> Mobile: 865-680-6446</p>
<p>Bill Waldrop, Vice Chairman 112 Tigitsi Lane Loudon, Tennessee 37774 (Loudon County Appointee – 7th District)</p>	<p>HOME PHONE: 865-458-0506 FAX: 865-458-0504 EMAIL: <a href="mailto:wrwaldrop@aol.com">wrwaldrop@aol.com</a> Mobile: 865-809-1111</p>
<p>John D. Watkins, Commissioner 299 Edwards School Road Loudon, Tennessee 37774 (Loudon County Appointee – 4th District)</p>	<p>HOME PHONE: 865-458-5292 EMAIL: <a href="mailto:riesling4@aol.com">riesling4@aol.com</a> Mobile: 865-776-0243</p>

**LOUDON COUNTY  
SOLID WASTE DISPOSAL COMMISSION**

(Revised 8-14-12)

**ADVISORS AND CONSULTANTS**

<p>LEGAL: C. Coulter Gilbert, General Counsel Kennerly, Montgomery &amp; Finley, P.C. Post Office Box 442 Knoxville, Tennessee 37901-0442</p> <p>OR 550 Main Street, 4<sup>th</sup> Floor Knoxville, Tennessee 37902</p>	<p>WORK PHONE: 865-546-7311 FAX: 865-524-1771 EMAIL: cgilbert@kmfpc.com</p>
<p>LANDFILL OPERATOR: Cheryl Dunson, Vice President Santek Waste Services, Inc. 650 25<sup>th</sup> Street, NW Cleveland, Tennessee 37311-1353</p>	<p>WORK PHONE: 423-303-7107 EMAIL: Cheryl@santekenviro.com</p>
<p>TECHNICAL ASSISTANCE: Kim Raia County Technical Assistance Service 101B Student Services Building Knoxville, TN 37996-0213</p>	<p>WORK PHONE: 865.974.6434 MOBILE: (865) 384-6691 EMAIL: KIM.RAIA@TENNESSEE.EDU</p>

# LCSWDC

## Potential Bidders List for RFP for Matlock Bend Landfill Review

July 12, 2012

1. Dr. Bob Bachus  
~~Geotech~~ *GeoSyntec*  
1255 Roberts Blvd, NW, Suite 200  
Kennesaw, GA 3014-3694
2. Brown and Caldwell  
9724 Kingston Pike, Suite 305F  
Knoxville, TN 37922
3. GEI Consultants  
500 Halls Ferry Road  
Lenoir City, TN 37771  
(865)988-7558 office  
(865)755-4077 cell
4. GEOServices, LLC  
123 Perimeter Park Rd., Suite C  
Knoxville, TN 37922
5. Gershman, Brickner & Bratton, Inc.  
Solid Waste Management Consultants  
[gbb@gbbinc.com](mailto:gbb@gbbinc.com)  
  
The contact info for ~~BGG~~ *GBB* is:  
Gershman, Brickner & Bratton, Inc.  
8550 Arlington Blvd., Suite 304  
Fairfax , VA 22031  
[bbrickner@gbbinc.com](mailto:bbrickner@gbbinc.com)  
Phone: (703) 573-5800  
Toll Free: (800) 573-5801  
Fax: (703) 698-1306
6. Jo<sup>2</sup>House P.E., P.G.  
House Engineering LLC  
7308 River Park Drive  
Nashville, TN 37221  
615-330-0771 cell  
615-891-2821 fax
7. Dr. George Hyfantis  
Quantum Environmental & Engineering Services, Inc.  
126 Dante Road  
Knoxville, TN 37918

# Loudon County Solid Waste Disposal Commission

## Request for Proposals Matlock Bend Landfill Review

August 14, 2012

*ENVR.* **WHO:** The Loudon County Solid Waste Disposal Commission ("LCSWDC") seeks responsive proposals for services from independent, qualified and experienced engineering firms (the "Consultant") to provide specified professional services in connection with LCSWDC's Matlock Bend Landfill located in Loudon, Tennessee (the "Landfill"). The Landfill is operated by Santek Engineering, Inc. ("Operator") under a 20-year turn-key operating contract that commenced in October of 2007 (the "Operating Contract").

**WHAT:** The Consultant will be engaged to conduct an independent and limited review of the Landfill's operations and the Operator's performance under the Operating Contract with the primary focus on two principle areas:

- (i) Financial Sustainability of the Landfill – Is the Landfill producing sufficient revenues under the Operating Contract to operate and eventually close the facility in accordance with all closure/post closure requirements?
- (ii) Operator Compliance – Is the Operator complying with the terms of the Operating Contract and applicable TDEC rules and regulations to assure a well-run facility in keeping with the best interest of the LCSWDC and its stakeholders?

**WHY:** To properly exercise the LCSWDC's responsibility for operating the Landfill and to assist the LCSWDC in its assessment of and long-range planning for Landfill operations.

- WHEN:**
- (i) Draft RFP to be presented to LCSWDC on August 14, 2012
  - (ii) RFP to be released on or before August 21, 2012
  - (iii) Proposals to be returned by September 4, 2012
  - (iv) Selection of Consultant by LCSWDC on September 11, 2012
  - (v) Completion of Review targeted for December 7, 2012

**DETAILS:** LCSWDC has an ongoing turn-key contract with the Operator to operate the Landfill. Under the terms of the contract, the Operator pays the LCSWDC fees that were designed to pay costs and accrue revenue to accomplish closure and post closure of the landfill. In working with its auditor, the LCSWDC has determined that the rate of accumulation of funds for closure/post closure do not appear to be accumulating at the anticipated rate.

LCSWDC seeks to engage the services of an independent, qualified third party to provide an evaluation in the two primary focus areas described above – (i) the Landfill’s financial sustainability and (ii) the Operator’s compliance under the Operating Contract.

While all proposers are encouraged to submit their qualifications and suggested approach to accomplishing the desired review, LCSWDC suggests that the following items be included in the scope of work as required elements:

Financials:

- (i) Interview principals on the LCSWDC, our auditor, our legal counsel, Loudon County Mayor and Loudon County Finance Director
- (ii) Review last FY financial records working with Santek to verify tons reported were properly accounted and proper fees paid to the LCSWDC.
- (iii) Review proposed cost to close the landfill at the end of the current contract (accommodates the new “major Permit mod”)
- (iv) Project revenue to the LCSWDC based on current contract provisions and estimated tonnages and provide shortfall/surplus projections for estimated closure/post closure at the termination of the contract.

Operations:

- (i) Put boots on the ground, walk the current footprint and verify compliance with TDEC regulations. Inspect Storm water management features and provide an evaluation of their effectiveness and impacts downstream. Evaluate trucks leaving the landfill site and measures to insure trucks leave the landfill with clean tires and cleanup of mud during wet weather events at the egress onto Highway 72.
- (ii) Pick xx number of days and observe traffic coming into the landfill and reconcile at days end with the number of vehicles + types Santek reports. Estimate tonnages based on size/type and compare with daily receipts supplied by Santek.

LCSWDC invites proposers to provide a narrative on their suggested methodology to accomplish the task. LCSWDC encourages respondents to be creative in their approach and welcomes suggestions on how best to approach the challenges.

All proposers shall also provide an estimate of work hours and cost schedule for the review. LCSWDC recognizes the need for operational savvy personnel as well as financial experts. A projected schedule to accomplish the above mentioned tasks will be provided.

The final product to LCSWDC will be a report detailing the findings as listed above. A draft report may be submitted for comment with a marked up draft returned to the subcontractor 30 after receipt of the draft with a final due 20 days after the mark-up is returned.

Proposals shall be enclosed in a sealed envelope and delivered to the Loudon County Purchasing Office, at the above address on or before September 4, 2012 no later than 3:00 p.m. **The Proposer shall supply one (1) original and nine (9) copies of each Proposal submitted.**

LCSWDC reserves the right to reject any or all Proposals, to waive irregularities and/or informalities in any Proposal, to evaluate Proposals, and to make and award a Contract in any manner, consistent with law, for the Proposal it determines to be in the best interest of the LCSWDC. LCSWDC shall in no way be liable for any costs incurred by any Proposer to prepare its Proposal in response to this invitation.

[Add request for qualifications and resumes and listing of any prior experience in related fields or assignments]

# LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

## MASTER PLAN ADVISORY COMMITTEE CHARTER

### I. PURPOSE

The Master Plan Advisory Committee (the "Committee") is an ad hoc committee of the Loudon County Solid Waste Disposal Commission (the "LCSWDC") created and appointed by the LCSWDC in accordance with this committee charter for the purpose of developing and providing a master plan for the Matlock Bend Landfill located in Loudon, Tennessee, which is owned and operated by the LCSWDC and to perform the duties that are delegated to the Committee by this committee charter.

### II. APPOINTMENT AND STRUCTURE

- A. All members of the Committee shall be appointed by the LCSWDC in accordance with this committee charter, except for the ex-officio members of the committee, who shall serve by virtue of their office.
- B. The Committee shall be comprised of at least three members of the LCSWDC, who each shall represent one of the three governmental stakeholders of the commission, but in no event shall the Committee consist of more than seven (7) voting members. The Committee's membership shall also include the Loudon County Director of Convenience Centers and the Loudon County Extension Agent, who shall both serve as voting *ex officio* members of the committee. Two additional members of the committee shall be appointed from the general public, one of whom if at all possible will have a connection to the industries in Loudon County that depend on the Matlock Bend Landfill and the other of whom shall reside near the landfill.
- C. All Committee members shall serve at the pleasure of the LCSWDC and may be removed with or without cause at any time by vote of the LCSWDC and no Committee member's term shall extend beyond his or her term as a member of the LCSWDC.
- D. Vacancies on the Committee shall be filled by the LCSWDC.
- E. The LCSWDC shall appoint the chair of the Committee. The Committee shall by a majority vote elect a vice-chair and a secretary for its duration. A quorum, which shall be a majority of the voting Committee members, is required for an official meeting of the Committee. Actions of the Committee require a majority of the voting members present.

## MASTER PLAN ADVISORY COMMITTEE CHARTER

### III. DUTIES

- A. Operate under this committee charter, which it shall review at the Committee's first meeting and make any recommendations for revisions to the LCSWDC for the commission's consideration.
- B. [Here describe the specific duties of the committee relative to the Master Plan, the desired purpose and contents of the Master Plan to be produced, and the expected delivery date for the Master Plan, which shall be submitted to the LCSWDC as a "Final Report".]
- C. Unless otherwise dissolved by action of the LCSWDC, the Committee shall be automatically dissolved upon the LCSWDC acceptance of the Committee's Final Report.

### IV. LIMITATIONS

The Committee shall not negotiate or contract with third parties, nor shall it incur unauthorized expenses on behalf of the LCSWDC or otherwise obligate or commit funds of the LCSWDC.

### V. MEETINGS

Committee meetings will be held periodically on an announced basis or as needed and shall be open to the public and comply with all applicable state laws regarding open meetings of like governmental bodies. Regularly scheduled meetings, if any, will be scheduled by vote of the Committee and appropriate public notice of the same shall be given. Special meetings may be called at any time by the chair, the vice-chair or any two members of the Committee provided proper public notice of the meeting and its purpose is given under the circumstances.

### VI. REPORTS

The Committee will be expected to furnish oral or written reports at LCSWDC meetings, when requested, which shall include any LCSWDC action requested or recommended by the Committee. Minutes of all Committee meetings shall be maintained and furnished to the LCSWDC on a timely basis.

---

Reviewed by LCSWDC: July 10, 2012; August 14, 2012