

**AGENDA**

**LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION**

**June 12, 2012**

**6:30 p.m.**

**LOUDON COUNTY COURTHOUSE ANNEX**

**Loudon, Tennessee**

1. Call to Order
2. Approval of the Minutes – May 8, 2012
3. Items of Public Concern
4. Cash Activity Reports
5. Operations Report
6. Attorney's Report
7. Auditor's Contract
8. Independent Audit
9. Master Land Use Plan
10. Other Items of Consideration
11. Adjourn

**MONTHLY CASH REPORT**

May                      OF                      2012

**CASH RECEIPTS:**

Landfill Host Fees	<u>12,965.39</u>
Closure/Post Clo. Security Fees	<u>21,278.30</u>
Interest Received	<u>273.61</u>
Tire Grants	_____
Other: _____	_____

**Total Monthly Revenue:** \_\_\_\_\_ 34,517.30

**CASH DISBURSEMENTS:**

Commissioner Meeting Pymts.	<u>300.00</u>
Commissioner Travel/Seminar	<u>1,230.53</u>
Meeting Expense	_____
Legal Services	<u>4,122.25</u>
Audit/Accounting Services	<u>1,050.00</u>
Consultants	_____
Trustee's Commission	<u>342.43</u>
Debt Service/Loudon - Water Lines	_____
Santek-Tire Grant	_____
Engineering Services	<u>11,200.00</u>
Office Supplies	<u>0.65</u>
Building and Contents Insurance	_____
Other: <u>Contracted Services-Mowing</u>	<u>1,000.00</u>

**Total Monthly Expense:** \_\_\_\_\_ 19,245.86

Change in Net Assets: \_\_\_\_\_ 15,271.44

**BEGINNING CASH BALANCE:**                      \$ \_\_\_\_\_ 2,292,135.95

CLOSURE RESERVES:	\$ _____ <u>821,539.20</u>
<b>Total Closure Reserves and General Account</b>	<b>\$ _____ <u>2,307,407.39</u></b>
GENERAL ACCOUNT:	\$ _____ <u>1,485,868.19</u>

**ENDING CASH BALANCE:**                      \$ \_\_\_\_\_ 2,307,407.39

**CHANGE IN CASH POSITION**                      \$ \_\_\_\_\_ 15,271.44

**CONTRACT TO AUDIT ACCOUNTS  
OF  
Loudon County Solid Waste Disposal Commission**

**FROM July 01, 2011 TO June 30, 2012**

This agreement made this 21st day of May 2012, by and between Mitchell Emert and Hill, 416 Erin Drive, Knoxville, TN 37919, hereinafter referred to as the "auditor" and Loudon County Solid Waste Disposal Commission, of 101 Mulberry Street, Suite 102, Loudon, TN 37774, hereinafter referred to as the "organization", as follows:

1. In accordance with the requirements of the laws and/or regulations of the State of Tennessee, the auditor shall perform a financial and compliance audit of the financial statements of all funds of the organization for the period beginning July 01, 2011, and ending June 30, 2012 with the exception of the funds (if any) listed below:

2. The auditor shall conduct the audit in accordance with *Government Auditing Standards* issued by the Comptroller General of the United States and requirements prescribed by the Comptroller of the Treasury, State of Tennessee, as detailed in the *Audit Manual*. If applicable, the audit is to be conducted in accordance with the provisions of the Single Audit Act and U.S. Office of Management and Budget (OMB) *Circular A-133*. The audit is also to be conducted in accordance with any other applicable federal management circulars. It is agreed that this audit will conform to standards, procedures, and reporting requirements established by the Comptroller of the Treasury. It is further agreed that any deviation from these standards and procedures will be approved in writing by the Comptroller of the Treasury prior to the execution of the contract. The interpretation of this contract shall be governed by the above-mentioned publications and the laws of the State of Tennessee.

3. The auditor shall, as part of the written audit report, submit to the organization's management and those charged with governance:

- a report containing an expression of an unqualified or modified opinion on the financial statements, as prescribed by the *Audit Manual*. This report shall state the audit was performed in accordance with *Government Auditing Standards*, except when a disclaimer of opinion is issued. If the organization is a component unit or fund of another entity, it is agreed that: (a) the financial statements may be included in the financial statements of the other entity; (b) the principal auditor for the other entity may rely upon the contracted auditor's report; (c) any additional information required by the principal auditor of the other entity will be provided in a timely manner.
- a report on the internal control and on compliance with applicable laws and regulations and other matters. This report shall be issued regardless of whether the organization received any federal funding. Audit reports of entities which are subject to the provisions of the Single Audit Act and *OMB Circular A-133* shall include the additional report required by that circular. The reports will set forth findings, recommendations for improvement, concurrence or nonconcurrence of appropriate officials with the audit findings, comments on corrective action taken or planned, and comments on the disposition of prior year findings.

4. If a management letter or any other reports or correspondence relating to other matters involving internal controls or noncompliance are issued in connection with this audit, a copy shall be filed with the Comptroller of the Treasury. Such management letters, reports, or correspondence shall be consistent with the findings published in the audit report (i.e., they shall disclose no reportable matters or significant deficiencies not also disclosed in the findings found in the published audit report).

5. The auditor shall file one (1) electronic copy of said report with the Comptroller of the Treasury, State of Tennessee. The auditor shall furnish 15 printed copies and/or an electronic copy of the report to the organization's management and those charged with governance. It is anticipated that the auditor's report shall be filed prior to December 31, 2012, but in no case, shall be filed later than six (6) months following the period to be audited, without prior written explanation to the Comptroller of the Treasury, State of Tennessee and the organization. Requirements for additional copies, including those to be filed with the appropriate officials of granting agencies, are listed below:

6. The auditor agrees to retain working papers for no less than five (5) years from the date the report is received by the Department of Audit. In addition, the auditor agrees that all audit working papers shall, upon request, be made available in the manner requested by the Comptroller for review by the Comptroller of the Treasury or the Comptroller's representatives, agents, and legal counsel, while the audit is in progress and/or subsequent to the completion of the report. Furthermore, at the Comptroller's discretion, it is agreed that the working papers will be reviewed at the office of the auditor, the entity, or the Comptroller and that copies of the working papers can be made by the Comptroller's representatives or may be requested to be made by the firm and may be retained by the Comptroller's representatives.

CONTINUED ON NEXT PAGE -->>

7. Provisions for reporting fraud:

Any reasonable suspicion of fraud, such as defalcation, misappropriation, misfeasance, malfeasance, embezzlement or other illegal acts shall be reported by the auditor, in writing immediately upon discovery, to the Comptroller of the Treasury, State of Tennessee, who shall under all circumstances have the authority, at the discretion of the Comptroller, to directly investigate such matters. If the circumstances disclosed by the audit call for a more detailed investigation by the auditor than necessary under ordinary circumstances, the auditor shall inform the organization's management and those in charge of governance in writing of the need for such additional investigation and the additional compensation required therefor. Upon approval by the Comptroller of the Treasury, an amendment to this contract may be made by the organization's management and those charged with governance and the auditor for such additional investigation.

8. (Special Provisions) **None**

9. In consideration of the satisfactory performance of the provisions of this contract, the organization shall pay to the auditor a fee of (Fees may be fixed amounts or per diem.) (Fixed Amount: **\$6,350**) or (Estimated gross fee: )

(If per diem, an estimated gross fee should be furnished to the governing unit for budgetary purposes. A schedule of such per diem fees should be set forth below. Interim billings may be arranged with consent of both parties to this contract.) Provision for the payment of fees under this agreement has been or will be made by appropriation of management and those charged with governance.

SCHEDULE OF PER DIEM FEES:

10. As the authorized representative of the firm, I do hereby affirm that:

- our firm and all individuals participating in the audit are in compliance with all requirements of the Tennessee State Board of Accountancy and;
- our firm has part has participated in an external quality control review at least once every three (3) years, conducted by an organization not affiliated with our firm, and that a copy of our most recent external quality control review report has been provided to the organization, and the office of the Tennessee Comptroller of the Treasury approving this contract;
- all members of the staff assigned to this audit have obtained the necessary hours of continuing professional education required by *Government Auditing Standards*.
- all auditors participating in the engagement are independent under the requirements of the American Institute of Certified Public Accountants and *Government Auditing Standards*.

11. This writing, including any amendments, contains all terms of this contract. There are no other agreements between the parties hereto and no other agreements relative hereto shall be enforceable, unless entered into in accordance with the procedures set out herein and approved by the Comptroller of the Treasury, State of Tennessee. All parties agree that the digital signatures, that is, the electronic signatures applied by submitting the contract, are acceptable as provided for in the Uniform Electronic Transaction Act. Any paper documents submitted related to this contract will be converted to an electronic format and such electronic document(s) will be treated as the official document(s). All electronic documents should be indistinguishable from paper documents and should comply with the requirements of the *Audit Manual*.

\_\_\_\_\_  
Audit firm

\_\_\_\_\_  
Governmental Unit or Organization

By \_\_\_\_\_  
Signature

By \_\_\_\_\_  
Signature

Title/Position: \_\_\_\_\_

Title/Position: \_\_\_\_\_

E-mail address: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Approved by the Comptroller of the Treasury, State of Tennessee

For the Comptroller:

By \_\_\_\_\_

Date: \_\_\_\_\_



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**Monthly Operations Report**  
**Matlock Bend Landfill**  
**June 12, 2012**  
**Presented by:**  
**Santek Environmental, Inc.**

- I. OPERATIONS**
  - A. Tonnage Report
  - B. Customer Report
  - C. Materials Classification Report
  - D. Inspections
  - E. Tire Report
  
- II. ENGINEERING**
  - A. Remaining Airspace Utilization Schedule
  - B. TDEC Approval of Re-entry Plan for Module G
  
- III. HOST & SECURITY FEES**

**LANDFILL TONNAGE VOLUME  
MONTH ENDING -  
MAY 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		
JULY	17378.46		
AUGUST	25383.15		
SEPTEMBER	22528.42		
OCTOBER	21370.05		
NOVEMBER	25184.76		
DECEMBER	19804.15		
TOTAL	236792.14	101932.13	15,105.32

DAILY AVG FOR ANY  
RUNNING 30 DAY  
PERIOD                      676.78

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		
JULY	419.74		
AUGUST	424.56		
SEPTEMBER	374.30		
OCTOBER	373.74		
NOVEMBER	357.31		
DECEMBER	375.50		
TOTAL	4574.91	1863.63	19.52

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		
JULY	470.47		
AUGUST	459.32		
SEPTEMBER	447.25		
OCTOBER	439.67		
NOVEMBER	470.12		
DECEMBER	502.73		
TOTAL	5520.20	2311.11	60.84

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		
JULY	351.96		
AUGUST	334.38		
SEPTEMBER	450.84		
OCTOBER	325.24		
NOVEMBER	297.36		
DECEMBER	314.40		
TOTAL	4068.59	1621.57	(7.55)

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		
JULY	6536.20		
AUGUST	7337.91		
SEPTEMBER	3318.35		
OCTOBER	3415.25		
NOVEMBER	4087.34		
DECEMBER	3386.00		
TOTAL	62302.35	20137.21	(8,007.55)

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		
JULY	0.00		
AUGUST	13.09		
SEPTEMBER	0.00		
OCTOBER	17.41		
NOVEMBER	0.00		
DECEMBER	85.10		
TOTAL	316.29	30.22	(162.77)

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

KIMBERLY CLARK - ASH

MONTH	2011		2012		2011 TO 2012
	2011	2012	2011	2012	
JANUARY	521.90	0.00	0.00	-521.90	
FEBRUARY	0.00	0.00	0.00	0.00	
MARCH	809.09	0.00	0.00	-809.09	
APRIL	755.23	0.00	0.00	-755.23	
MAY	640.15	0.00	0.00	-640.15	
JUNE	1124.46				
JULY	1176.65				
AUGUST	1053.96				
SEPTEMBER	57.68				
OCTOBER	723.97				
NOVEMBER	132.45				
DECEMBER	0.00				
TOTAL	6995.54	0.00	0.00	(2,726.37)	

TATE & LYLE - SLUDGE

MONTH	2011		2012		2011 TO 2012
	2011	2012	2011	2012	
JANUARY	1447.96	1264.44	1447.96	-183.52	
FEBRUARY	2308.09	1593.58	2308.09	-714.51	
MARCH	2691.51	1693.49	2691.51	-998.02	
APRIL	1894.03	1629.64	1894.03	-264.39	
MAY	2368.16	1527.87	2368.16	-840.29	
JUNE	2083.81		2083.81		
JULY	1775.29		1775.29		
AUGUST	1870.47		1870.47		
SEPTEMBER	1108.93		1108.93		
OCTOBER	1080.24		1080.24		
NOVEMBER	1389.93		1389.93		
DECEMBER	1128.19		1128.19		
TOTAL	21146.61	7709.02	21146.61	(3,000.73)	

PSC METALS INC

MONTH	2011		2012		2011 TO 2012
	2011	2012	2011	2012	
JANUARY	944.37	5439.68	944.37	4495.31	
FEBRUARY	3499.07	3937.54	3499.07	438.47	
MARCH	5743.05	4655.10	5743.05	-1087.95	
APRIL	4352.13	3902.33	4352.13	-449.80	
MAY	3551.34	4230.61	3551.34	679.27	
JUNE	3637.91		3637.91		
JULY	2305.75		2305.75		
AUGUST	4901.35		4901.35		
SEPTEMBER	4784.14		4784.14		
OCTOBER	4247.48		4247.48		
NOVEMBER	4596.66		4596.66		
DECEMBER	3740.92		3740.92		
TOTAL	46304.17	22165.26	46304.17	4,075.30	

TATE & LYLE - ASH

MONTH	2011		2012		2011 TO 2012
	2011	2012	2011	2012	
JANUARY	1447.96	958.79	1447.96	-489.17	
FEBRUARY	756.49	470.78	756.49	-285.71	
MARCH	2140.97	633.01	2140.97	-1507.96	
APRIL	1896.27	894.70	1896.27	-1001.57	
MAY	3055.98	1183.70	3055.98	-1872.28	
JUNE	2362.07		2362.07		
JULY	2699.09		2699.09		
AUGUST	3473.16		3473.16		
SEPTEMBER	622.29		622.29		
OCTOBER	963.44		963.44		
NOVEMBER	830.44		830.44		
DECEMBER	808.75		808.75		
TOTAL	21056.91	4140.98	21056.91	(5,156.69)	

KIMBERLY CLARK - PAPER WASTE

MONTH	2011		2012		2011 TO 2012
	2011	2012	2011	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					
JULY	2411.04		2411.04		
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	37255.57	45951.08	37,255.57	

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

<b>Material</b>	<b>May - 12</b>	<b>Unit</b>
<u><b>MSW</b></u>		
MSW	6,485	Tons
<u><b>Special Waste</b></u>		
Other	11,706	Tons
Ash	1,377	Tons
Sludge	1,620	Tons
<b>Total Special Waste</b>	<u><u><b>14,703</b></u></u>	
<b>Total Material</b>	<u><u><b>21,188</b></u></u>	
<b>% MSW</b>	<u><u><b>31%</b></u></u>	
<b>% Special Waste</b>	<u><u><b>69%</b></u></u>	
 <b>% Sludge</b>	 <u><u><b>6%</b></u></u>	



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

<b>Month</b>	<b>Tonnage</b>
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	16.5
Apr-12	34.53
May-12	23.27
Jun-12	
<b>Total (tons)</b>	<b>279.11</b>



**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>May 10 2012</i>	
LOCATION (physical) <i>Off Hwy 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.W. Authority Operator: Samble/Levin</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 area looks good, need to make sure all excavated cover soil is spread back and any that is trashy covered with clean soil. They are taking out waste above the new cell to uncover the liner now and are re-burying it on a flat area above the former slide. Make sure all of this waste is covered at the end of the day also. No leachate or serious erosion observed some new seeding + mulching has been done</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>11:45-12:30 PM</i>	WEATHER CONDITIONS <i>Sunny @ 70°</i>		COMPLIANCE DATE		
AM	Distribution: Facility - White	Field Office - Canary	Central Office - XC		



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

NAME OF SITE <i>London County Landfill (closed section)</i>		REGISTRATION NUMBER <i>SNL 53-0203</i>	DATE <i>May 10 2012</i>
LOCATION (physical) <i>off Hwy 72 west of London</i>		PURPOSE <input checked="" type="checkbox"/> Complete ( ) Follow-up <input type="checkbox"/> Consultation ( ) Complaint ( ) Other	
OWNER/OPERATOR <i>Owner: London County S.W. Authority Contact: Levi Keady</i>		TYPE OF FACILITY <input checked="" type="checkbox"/> Class I ( ) Class II ( ) Class III ( ) Class IV	
FINAL COVER			V1 V2
-Unsatisfactory final cover (sloughing, cracks, etc.) .....			9010
-Pooling of water .....			9020
-Unsatisfactory stabilization of cover .....			9030
EROSION/SEDIMENT CONTROL			
-Inadequate erosion control .....			9040
-Washout of solid waste .....			9050
RUN-ON/RUN-OFF CONTROL			
-Inadequate maintenance of run-on/run-off systems(s) (ponds, ditches, etc.) .....			9060
LEACHATE CONTROL			
-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
GAS MANAGEMENT SYSTEM			
-Inadequate gas migration control system .....			9120
-Inadequate maintenance of gas migration control system .....			9130
GROUNDWATER MONITORING SYSTEM			
-Groundwater monitoring system improperly maintained .....			9140
-Groundwater protection standard violated .....			9150
-Unapproved/inadequate groundwater monitoring methods .....			9160
SITE ACCESS			
-Inadequate artificial or natural barrier .....			9170
GENERAL			
-Facility does not correspond with permit condition(s) .....			9180
COMMENTS: <i>Closed area looks good in general, most of slopes have been moved and bench channels have been maintained. A few places haven't been moved and graded yet, this needs to be finished. The top hasn't been moved and there is settlement and uneven contours. Need to make sure that all of the top drains to the outside after moving, fill in low places and install additional down drains if necessary.</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>11:00-11:45 AM</i>	WEATHER CONDITIONS <i>Clear, ~70°</i>	COMPLIANCE DATE	



**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>June 7 2002</i>
LOCATION (physical) <i>off Hwy 72 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>Owner: Loudon Co. S.W. Authority operators: Suntek/Levi Hightler</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: *Working face is too big but they say it is all today's waste & they have enough equipment & soil to cover it at the end of the day. They have finished excavating & laying back the slope above the new cell and have exposed the liner. Requirement putting a gas vent at the bottom. There is contact with the rock layer before covering it back over. New cell is almost to base grade, need to schedule an inspection when*

PERSON INTERVIEWED (Signature) <i>[Signature]</i>	INSPECTED BY (Signature) <i>Rick Brown</i>
TITLE <i>Site Manager</i>	TITLE <i>Environmental Engineer</i>
TIME OF DAY <i>12:50-1:30 PM</i>	WEATHER CONDITIONS <i>Sunny ~ 80°</i>
COMPLIANCE DATE	

## 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)
		20,085		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	-	20,461	A	1.35	27,623	336,189
June	-	20,085	P	1.35	27,115	309,074
July	-	20,085	P	1.35	27,115	281,960
August	-	20,085	P	1.35	27,115	254,845
September	-	20,085	P	1.35	27,115	227,731
October	-	20,085	P	1.35	27,115	200,616
November	-	20,085	P	1.35	27,115	173,501
December	-	20,085	P	1.35	27,115	146,387

<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

March	21,278
April	18,515
May	20,461
<b>Average</b>	<b>20,085</b>

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



ppp  
**COPY**

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

May 23, 2012

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 Alternative Strategy for Reentry to Module G submitted by Geosyntec supplemented by Module G Landfill Gas and Liquid Pressure Plan submitted by Santek Waste Services. Collectively the documents and drawings have been reviewed relative to the initial reentry plan approved December 2, 2012. The reentry plan and stipulations to control gas and liquids to enable stable fill conditions was one of the last elements resolved in TDEC Order SWM 10-0009. The alternative strategy proposed involves waste placement in Module H and per the stability modeling analysis will provide acceptable factors of safety with an improved condition in the latter phase as considerable more mass will (Module H) will function as a buttress to Module G. The above titled documents are hereby approved and planned work elements may proceed.

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

Yours truly,

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

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

cc: Nashville - Glen Pugh  
Santek - Robert Burnette

May 14, 2012



650 25th Street, N.W., Suite 100  
Cleveland, Tennessee 37311  
(423) 476-9160  
Toll Free: (800) 467-9160  
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Email: [mail@santekenviro.com](mailto:mail@santekenviro.com)  
Internet: [www.santekenviro.com](http://www.santekenviro.com)

Ms. Paula Plont  
Tennessee Department of Environment & Conservation  
Division of Solid Waste Management  
3711 Middlebrook Pike  
Knoxville, TN 37921-5602

Re: Matlock Bend Landfill  
Module G Landfill Gas and Liquid Pressure Plan

Dear Ms. Plont:

Per our phone conversation on May 7, 2012, Santek Waste Services, Inc. (Santek) is submitting a plan to reduce the landfill gas and liquid pressure in Module G at the Matlock Bend Landfill. This plan was originally submitted by Geosyntec on November 11, 2011 in the original Module G re-entry plan. However, when the alternate re-entry plan was submitted by Geosyntec on April 10, 2012, the gas and liquid pressure reduction section was inadvertently left out. Therefore, Santek is resubmitting the omitted section along with drawings to aid TDEC with their review. Geosyntec's plan was originally submitted as follows:

- **Reduce Gas and Liquid Pressures:** During the excavation and stabilization activities in Module G, Santek installed an extensive network of interconnected gravel-filled trenches below the surface of the waste. Ultimately, these interconnected trenches conveyed liquids towards the toe of the module and into the LCS. The goal of the trench network was to intercept zones of liquids and gas that were encountered during excavation and to facilitate their conveyance to the LCS. As the stabilization activities progressed, vertical riser pipes were installed and extended above the ground surface to serve as vents for accumulated gas. From the surface today, gas can be "seen" exiting several of these pipes (i.e., visible air convection currents at the top of the pipes). Geosyntec recommends that whenever fresh waste is placed on top of any of the gravel-filled trenches, the soil and soil-mixed waste above the gravel be removed to assure that there is intimate contact of the new and old waste. No soil should be placed in close proximity to the gravel trenches. Geosyntec suggests that a ten-foot wide soil-free zone be maintained adjacent each trench and vertical pipe. Again, this action will help assure that liquid and gas that may develop in the old and new waste are conveyed to the trenches. Vertical extension of the "producing" vertical gas vents will help vent gas pressures. Once the

final 5H:1V interim stabilization grades are established within Module G, Geosyntec recommends that either "whirlybird" ventilators or self-starting individual well flares (i.e., "Tiki" torches) be installed on the extended gas vent pipes to facilitate gas ventilation.

The Tennessee Department of Environment and Conservation (TDEC) previously approved this plan in a letter dated December 2, 2011. Santek offers the attached drawings Sheet 1 and 2 as a pictorial representation of the written plan.

If you have any questions during your review or require additional information, please feel free to call at (423) 303-7101.

Sincerely,



Ron E. Vail, P.E.  
Engineering Department Manager

Enclosures

cc: Steve Field, Chairman, LCSWDC  
Ryan Miller, TDEC – Knoxville Office  
Robert D. Burnette, Executive V.P. of Engineering  
Matt Dillard, Executive V.P. of Operations, Santek  
Levi Higdon, Landfill Manager, Santek





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

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

June 12, 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 May 1, 2012 to May 31, 2012:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$368,142.45
Host Fee Percentage	<u>4.00%</u>
	<b>\$ 14,725.70</b>
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	21,187.33
Rate per ton	<u>\$ 1.00</u>
Total	<b>\$ 21,187.33</b>
Total Tip Fees Billed	\$368,142.45
Security Fee Percentage	<u>5.00%</u>
	<b>\$ 18,407.12</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