

AGENDA
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
April 10, 2018
6:30 p.m.
LOUDON COUNTY COURTHOUSE ANNEX
Loudon, Tennessee

1. Opening of Meeting, Pledge of Allegiance, Invocation
2. Approval of Minutes – March 13, 2018
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Annual Progress Report
7. Contract Modification Update
8. Poplar Springs Update
9. Attorney's Report
10. Chairman's Report
11. Other Items of Commission's Consideration
12. Adjourn

Loudon County Department of Accounts and Budgets
Solid Waste Disposal Fund 207
Monthly Financial Report
March 2018

February 2018 Combined Ending Cash Balance per Monthly Report	3,581,156.42	
Adjustments:		
	0.00	
	0.00	
Total Adjustments		0.00
Adjusted February 2018 Combined Ending Balance per Loudon Co Trustee		3,581,156.42

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance February 2018		3,382,433.33
Cash Receipts:		
Trustee's Collections - Prior Year	0	
Surcharge - Host Fees (Feb 2018)	11,262.13	
Surcharge - Security Fees (Feb 2018)	14,077.67	
Investment Income	0.00	
Total Monthly Revenue		25,339.80
Cash Disbursements:		
Board & Committee Members Fees	(250.00)	
Audit Services (Mitchell Emert & Hill)	0.00	
Contracts with Private Agencies (Santek)		
Engineering Services (Santek)		
Contributions (Loudon Utilities - Quarterly)	0.00	
Legal Services (Kennerly February 2018)	(2,500.00)	
Legal Notices		
Other Contracted Services (Mowing)		
Contributions (Loudon Utilities - Quarterly)	(3,750.00)	
Building & Content Insurance		
In-Service/Staff Development	(315.00)	
Trustee's Commission	(112.62)	
Total Cash Disbursements		(6,927.62)
Expenditure Credit:		
Trustee Commission Adjustment		0.00
<u>Operating Fund Ending Balance March 2018</u>		3,400,845.51

Poplar Springs Subfund

Poplar Springs Subfund Balance February 2018		198,723.09
Cash Receipts:		
	0.00	
Total Monthly Revenue		0.00
Cash Disbursements:		
Legal Services		
Total Cash Disbursements		0.00
<u>Poplar Springs Subfund Balance March 2018</u>		198,723.09

<u>TOTAL COMBINED OPERATING AND POPLAR SPRINGS MARCH 2018 BALANCE</u>		3,599,568.60
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Combined Summary - March 2018		
Beginning Balance		3,581,156.42
Plus Operating Revenue		25,339.80
Less Operating and Poplar Springs Disbursements		(6,927.62)
TOTAL COMBINED BALANCE - MARCH 2018		3,599,568.60

04/09/2018 10:28 8652412580
SANTEK ENVIRONMENTAL INC
 21712 HWY 72 N

LOUDON, TN 37774
 000099
 CASH

Y12 ECD ESS

PAGE 02/02

LC		364720		tgresham	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF
4/6/18	4/6/18	12:20 pm	12:40 pm	CASH	
REFERENCE WHT GMC			ORIGIN LOUDON COUNTY		

GROSS WEIGHT 5,760 Scale In
 TARE WEIGHT 5,340 Scale Out
 NET WEIGHT 420
 CASH INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
0.21	tn	MSW	\$28.45	\$ 7.00	\$ 0.26	\$7.26
1.00		ENVIRONMENTAL FEE	\$2.35	\$ 2.35	\$ 0.00	\$2.35

OPERATING HOURS:
 7:00 AM TO 4:00 PM MONDAY THRU FRIDAY
 7:00 AM TO 12:00 PM SATURDAY
 PHONE NUMBER: (865) 458-2651

Tax Total
 TN INSPECTION FEE \$0.07
 TN SURCHARGE \$0.19

NET AMOUNT \$9.61
TENDERED \$10.00
CHANGE \$0.39
CHECK NO.

SIGNATURE _____

SANTEK ENVIRONMENTAL INC
 21712 HWY 72 N

LOUDON, TN 37774
 000099
 CASH

SITE		TICKET		GRID		SCALE OPERATOR	
LC		364700				tgresham	
DATE IN	DATE OUT	TIME IN	TIME OUT	VEHICLE	ROLL OFF		
4/6/18	4/6/18	11:06 am	11:24 am	CASH			
REFERENCE WHT GMC				ORIGIN LOUDON COUNTY			

GROSS WEIGHT 6,300 Scale In
 TARE WEIGHT 5,320 Manual Out
 NET WEIGHT 980
 CASH INBOUND

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	FEE	TOTAL
0.49	tn	MSW	\$28.45	\$ 13.94	\$ 0.61	\$14.55
1.00		ENVIRONMENTAL FEE	\$2.35	\$ 2.35	\$ 0.00	\$2.35

OPERATING HOURS:
 7:00 AM TO 4:00 PM MONDAY THRU FRIDAY
 7:00 AM TO 12:00 PM SATURDAY
 PHONE NUMBER: (865) 458-2651

Tax Total
 TN INSPECTION FEE \$0.17
 TN SURCHARGE \$0.44

NET AMOUNT \$16.90
TENDERED \$17.00
CHANGE \$0.10
CHECK NO.

SIGNATURE _____

2 of 2

Re-order this Form from: DEI Data & Document Solutions 1-800-254-8784

March 30, 2018

Steve Field, Chairman
Board of Commissioners
Loudon County Solid Waste Disposal Commission
100 River Road, Suite 106
Loudon, TN 37774

We are pleased to confirm our understanding of the services we are to provide Loudon County Solid Waste Disposal Commission for the year ending June 30, 2018.

We will audit the statement of net position of Loudon County Solid Waste Disposal Commission as of June 30, 2018 and the related statement of revenue, expenses and changes in net position and statement of cash flows for the year then ending, including the related notes to the financial statements. Accounting standards generally accepted in the United States of America provide for certain required supplementary information (RSI), such as management's discussion and analysis (MD&A), to supplement Loudon County Solid Waste Disposal Commission's basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic and historical context. As part of our engagement, we will apply certain limited procedures to Loudon County Solid Waste Disposal Commission's RSI in accordance with auditing standards generally accepted in the United States of America. These limited procedures will consist of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we will obtain during our audit of the basic financial statements. We will not express an opinion or provide any assurance on the information because the limited procedures will not provide us with sufficient evidence to express an opinion or provide any assurance. The following RSI is required by generally accepted accounting principles and will be subjected to certain limited procedures but will not be audited:

1. Management's discussion and analysis

Any additional supplementary information accompanying the financial statements will not be subjected to the auditing procedures applied in our audit of the basic financial statements. Our auditors' report will not provide an opinion or any assurance on this additional supplementary information.

Audit Objectives

The objective of our audit is the expression of an opinion as to whether the basic financial statements are fairly presented, in all material respects, in conformity with U.S. generally accepted accounting principles and to report on the fairness of the supplementary information referred to in the second paragraph when considered in relation to the financial statements taken as a whole. Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America and the standards for financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States of America, and will include tests of the accounting records and other procedures we consider necessary to enable us to express such opinions. We cannot provide assurance that unmodified opinions will be expressed. Circumstances may arise in which it is necessary for us to modify our opinions or add emphasis-of-matter or other-matter paragraphs. If our opinions on the financial statements are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or to issue reports, or may withdraw from this engagement.

We will also provide a report (that does not include an opinion) on internal control related to the financial statements and compliance with provisions with laws, regulations, contracts, and grant agreements, noncompliance with which could have a material effect on the financial statements as required by *Government Auditing Standards*. The report on internal control and compliance and other matters will include a paragraph that states that the purpose of the report is solely to describe the scope of testing of internal control over financial reporting and compliance, and the result of that testing, and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance and that the report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering internal control over financial reporting and compliance. The paragraph will also state that the report is not suitable for any other purpose. If during our audit we become aware that Loudon County Solid Waste Disposal Commission is subject to an audit requirement not encompassed in the terms of this engagement, we will communicate to management and those charged with governance that an audit in accordance with generally accepted auditing standards established by the Auditing Standards Board (United States) and the standards for financial audits contained in *Government Auditing Standards* may not satisfy the relevant legal, regulatory, or contractual requirements.

Audit Procedures – General

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements. We will plan and perform the audit to obtain reasonable rather than absolute assurance about whether the financial statements are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to Loudon County Solid Waste Disposal Commission or to acts by management or employees acting on behalf of Loudon County Solid Waste Disposal Commission. Because the determination of abuse is subjective, *Government Auditing Standards* does not expect auditors to provide reasonable assurance of detecting abuse.

Because of the inherent limitations of an audit, combined with the inherent limitations of internal control, and because we will not perform a detailed examination of all transactions, there is a risk that material misstatements may exist and not be detected by us, even though the audit is properly planned and performed in accordance with U.S. generally accepted auditing standards and *Government Auditing Standards*. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. However, we will inform the appropriate level of management of any material errors and any fraudulent financial reporting or misappropriation of assets that come to our attention. We will also inform the appropriate level of management of any violations of laws or governmental regulations that come to our attention, unless clearly inconsequential. Our responsibility as auditors is limited to the period covered by our audit and does not extend to later periods for which we are not engaged as auditors.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts and may include tests of the physical existence of inventories, if applicable, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will also require certain written representations from you about your responsibilities for the financial statements; compliance with laws, regulations, contracts, and grant agreements; and other responsibilities required by generally accepted auditing standards.

Audit Procedures – Internal Controls

Our audit will include obtaining an understanding of Loudon County Solid Waste Disposal Commission and its environment, including internal control, sufficient to assess the risk of material misstatements of the financial statements and to design the nature, timing and extent of further audit procedures. Tests of controls may be performed to test the effectiveness of certain controls that we consider relevant to preventing and detecting misstatements resulting from illegal acts and other noncompliance matters that have a direct and material effect on the financial statements. Our tests, if performed, will be less in scope than would be necessary to render an opinion on internal control and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to *Government Auditing Standards*.

An audit is not designed to provide assurance on internal control or to identify deficiencies in internal control. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under professional standards and *Government Auditing Standards*.

Audit Procedures – Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of Loudon County Solid Waste Disposal Commission's compliance with the provisions of applicable laws, regulations, contracts, and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion in our report on compliance issued pursuant to *Government Auditing Standards*.

Management Responsibilities

Management is responsible for the basic financial statements and all accompanying information as well as all representations contained therein. As part of the audit, we will assist with preparation of your financial statements and related notes. You will be required to acknowledge in the management representation letter our assistance with preparation of the financial statements and that you have reviewed and approved the financial statements and related notes prior to their issuance and have accepted responsibility for them.

Management is responsible for establishing and maintaining effective internal controls, including evaluating and monitoring ongoing activities, to help ensure that appropriate goals are met; for following laws and regulations; and for ensuring that management is reliable and financial information is properly reported. Management is also responsible for implementing systems designed to achieve compliance with applicable laws, regulations, contracts, and grant agreements. You are also responsible for the selection and application of accounting principles, for the preparation and fair presentation of the financial statements and all accompanying information in conformity with U.S. generally accepted accounting principles, and for compliance with applicable laws and regulations and the provisions of contracts and grant agreements.

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Steve Field, Chairman
Board of Commissioners
Loudon County Solid Waste Disposal Commission
March 30, 2018

Management is also responsible for making all financial records and related information available to us and for the accuracy and completeness of that information. You are also responsible for providing us with access to all information of which you are aware that is relevant to the preparation and fair presentation of the financial statements; additional information that we may request for the purpose of the audit; and unrestricted access to persons with the government from whom we determine it necessary to obtain audit evidence.

Your responsibilities include adjusting the financial statements to correct material misstatements and for confirming to us in the written representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving: (1) management, (2) employees who have significant roles in internal control, and (3) others where the fraud could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that Loudon County Solid Waste Disposal Commission complies with applicable laws, regulations, contracts, agreements, and grants for taking timely and appropriate steps to remedy any fraud, violations of contracts or grant agreements, or abuse that we may report.

You are responsible for the preparation of the supplementary information. You agree to include our report on the supplementary information in any document that contains and indicates that we have reported on the supplementary information. You also agree to include the audited financial statements with any presentation of the supplementary information that includes our report thereon. Your responsibilities include acknowledging to us in the written representation letter that (1) you are responsible for presentation of the supplementary information; (2) that you believe the supplementary information, including its form and content, is fairly presented; (3) that the methods of measurement or presentation have not changed from those used in the prior period (or, if they have changed, the reasons for such changes); and (4) you have disclosed to us any significant assumptions or interpretations underlying the measurement or presentation of the supplementary information.

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Steve Field, Chairman
Board of Commissioners
Loudon County Solid Waste Disposal Commission
March 30, 2018

Management is responsible for establishing and maintaining a process to track the status of audit findings and recommendations. Management is also responsible for identifying for us previous financial audits, attestation engagements, performance audits, or other studies related to the objectives discussed in the Audit Objectives section of this letter. This responsibility includes relaying to us corrective actions taken to address significant findings and recommendations resulting from those audits, attestation engagements, performance audits, or other engagements or studies. You are also responsible for providing management's views on our current findings, conclusions, and recommendations, as well as your planned corrective actions, for the report, and the timing and format for providing that information.

You agree to assume all management responsibilities relating to the financial statements and related notes and any other nonaudit services we provide. You will be required to acknowledge in the management representation letter our assistance with preparation of the financial statements and related notes and that you have reviewed and approved the financial statements and related notes prior to their issuance and have accepted responsibility for them. Further, you agree to oversee the nonaudit services by designating an individual, preferably from senior management, with suitable skill, knowledge, or experience; evaluate the adequacy and results of those services; and accept responsibility for them.

Engagement Administration, Fees, and Other

We will provide copies of our reports to Loudon County Solid Waste Disposal Commission and the Tennessee Comptroller of the Treasury; however, management is responsible for distribution of the reports and the financial statements. Unless restricted by law or regulation, or containing privileged and confidential information, copies of our reports are to be made available for public inspection.

We understand that you intend to distribute copies of the financial statements, with our audit report attached, to the Board of Commissioners of Loudon County Solid Waste Disposal Commission. If you intend to publish or otherwise reproduce the financial statements and make reference to our firm, you agree to provide us with printers' proofs or masters for our review and approval before printing.

The audit documentation for this engagement is the property of Mitchell Emert & Hill, P.C., and constitutes confidential information. However, pursuant to authority given by law or regulation, we may be requested to make certain audit documentation available to the Comptroller of the Treasury or his representatives, agents and legal counsel, a federal agency providing direct or indirect funding, or the U.S. Government Accountability Office for purposes of a quality review of the audit, to resolve audit findings, or to carry out oversight responsibilities. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of Mitchell Emert & Hill, P.C. personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies.

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Steve Field, Chairman
Board of Commissioners
Loudon County Solid Waste Disposal Commission
March 30, 2018

Parties to this engagement agree that any dispute that may arise regarding the meaning, performance, or enforcement of this engagement will, prior to resorting to litigation, be submitted to mediation upon the written request of any party to the engagement. All mediation initiated as a result of this engagement shall be administered by the American Arbitration Association (AAA) and in accordance with the "Mediation Rules for Professional Accounting and Related Disputes" as then adopted by the AAA. The results of this mediation shall be binding only upon agreement of each party to be bound. Costs of any mediation proceedings shall be shared equally by both parties.

As a result of our services to you, we may be required or requested to provide information or documents to you or a third-party in connection with a legal or administrative proceeding (including a grand jury investigation) in which we are not a party. If this occurs, our efforts in complying with such requests or demands will be deemed a part of this engagement and we shall be entitled to compensation for our time and reimbursement for our reasonable out-of-pocket expenditures (including legal fees) in complying with such requests or demands, and will render additional invoices for the time and expenses incurred. This is not intended, however, to relieve us of our duty to observe the confidentiality requirements of our profession.

Our fee for these services will be \$8,400. Our invoices will be rendered as work progresses and are payable upon presentation. Should Loudon County Solid Waste Disposal Commission expend more than \$750,000 of federal funds during the year, the fee will increase by \$3,000 for the additional work required to have the audit comply with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). This fee is based on anticipated cooperation from your personnel and the assumption that unexpected circumstances will not be encountered during the audit. If significant additional time is necessary, we will discuss it with you and arrive at a new fee estimate before we incur the additional costs. Amounts not paid within 30 days from the invoice date will be subject to a late payment charge of 1.5% per month (18% per year). If for any reason the account is turned over to an attorney for collection, an additional charge of 33.33% will be added to cover collection costs.

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Steve Field, Chairman
Board of Commissioners
Loudon County Solid Waste Disposal Commission
March 30, 2018

We appreciate the opportunity to be of service to Loudon County Solid Waste Disposal Commission and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign below.

Best regards,

MITCHELL EMERT & HILL, P.C.

A handwritten signature in black ink, appearing to read "Richard W. Hill". The signature is written in a cursive, flowing style.

Richard W. Hill, CPA
Director

RESPONSE:

This letter correctly sets forth the understanding of Loudon County Solid Waste Disposal Commission.

Signature: _____

Title: _____

OBJECTIVE 2: INCREASE RECYCLING ACCESS AND PARTICIPATION

Loudon | Annual | 2017

Note: Questions are pre-populated with answers from last year's Annual Progress Report. Please review and change answers where applicable. Click save draft at the bottom of the page if more time is needed to complete. If completed, please click mark complete to notify the Department it is ready for review. However, once submitted this section can no longer be edited and the Department must be contacted to unlock.

Diversion Activities

Did your local government have any household hazardous waste events? *

Yes

No

Source Reduction Activities

Describe source reduction and reuse activities by public or private entities by jurisdiction.

1. Loudon County residents can use one of 3 public convenience centers or can subscribe to residential collection with a variety of waste companies. 2. The City of Loudon collects commercial and residential waste. 3. Lenoir City provides residential waste collection while it allows the free market to compete for commercial waste. 4. Tellico Village contracts with Santek Waste Services to provide curbside waste collection as well as curbside single stream recycling. 5. We continue to encourage the convenience center manager to accept more types of recyclables.

List any restrictions the local government or region places on collected wastes (Examples: no cardboard allowed in MSW compactors, additional container charges, etc.)

We do not accept any liquids, explosives, hazardous waste, or medical waste.

List Curbside Recycling Programs by Jurisdiction

Does any local government have any curbside recycling programs? *

Yes

No

Curbside Recycling Program

	JURISDICTION: *	PARTICIPATION RATE: *	CHECK ALL MATERIALS COLLECTED IN PROGRAM: *	IS THIS PROGRAM SEPARATED OR CO-MINGLED: *
1	Tellico Village	100.00	<input checked="" type="checkbox"/> Fiber/Paper <input checked="" type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Metals <input type="checkbox"/> Other	<input type="radio"/> Separated <input checked="" type="radio"/> Co-mingled
2	Lenoir City	10.00	<input checked="" type="checkbox"/> Fiber/Paper <input checked="" type="checkbox"/> Glass <input checked="" type="checkbox"/> Plastic <input checked="" type="checkbox"/> Metals <input type="checkbox"/> Other	<input type="radio"/> Separated <input checked="" type="radio"/> Co-mingled

Total number of curbside recycling programs present in jurisdiction:

2

Recycling Drop Off Locations

Does your local government have any recycling drop off locations not associated with convenience centers? *

- Yes
- No

Problem Waste Management

Describe current problem waste management strategy. Include management descriptions for batteries, oil, paint, antifreeze, electronics and HHW materials. *

The lead acid batteries are sold to Seaton Enterprises, rechargeable batteries are packaged and shipped to Wistron Greentech to be recycled. The oil is picked up by Spectra Environmental at a cost to us of 38 cents per gallon to be recycled. Antifreeze is also picked up by Spectra at a cost of \$25.00 per 55 gallon drum. Water-based paint is collected and dried at the convenience center and disposed of properly. Oil-based paint is collected at the convenience center, packaged and picked up by Clean Harbors, and paid for by TDEC. The electronics are sent to Unicore for recycling at 15 cents per pound cost on CRT TV's with the remaining electronics at no cost. The Convenience Center collects fluorescent tubes and light bulbs that are sent to Lighting Resources paid for by TDEC. The county hosts two HHW events per year ran by Clean Harbors, paid for by TDEC.

Waste Reduction and Recycling Obstacles

List and discuss the three largest obstacles to your waste reduction/recycling system: *

The low prices for recycled materials makes it hard to recycle in a cost-effective way. Some of the materials we were getting paid for or recycling for free now have a fee we have to pay. We would have to increase our budget \$30,000.00 to continue our current operation. This also effects what our vendors will accept. If there is not a market for a product, we cannot recycle it. The product then ends up in the landfill at a cheaper rate. Recycling of scrap tires continues to be an ongoing challenge for Loudon County because of the low number of companies that provide this service. As such, we are limited in the number of tires we can accept due to the service provider's ability to adequately service and supply us with trailers for the collection of tires.

Describe the growth trends, waste projections, and system structure of the region. *

Nominal population growth, waste expected to grow at normal per capita rates, one county-owned landfill, and three county-managed convenience centers.

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Does your local government budget for future grant funding opportunities? *

- Yes
- No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

Because the prices in the marketplace are as low as they are, we have no plans to implement any new recycling efforts in the near future.

Where curbside is not feasible, do you have a convenient and accessible area where residents can drop-off their recycling? *

- Yes
- No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

We have three Convenience Centers in the county that offer recycling.

Are there current plans to enhance and implement curbside and local government recycling programs? *

- Yes
- No

Are you contracting with partners, such as businesses and industry, to develop sustainable materials management programs? *

- Yes
- No

Does your local government work with state government facilities to increase their recycling access and participation? *

Yes

No

Has your local government increased diversion of construction and demolition? *

Yes

No

Are you increasing the diversion of electronics? *

Yes

No

Has your local government increased diversion of Household Hazardous Waste, Batteries, Oil, Paint, Antifreeze, and Electronics? *

Yes

No

Clicking the "Save Draft" button will allow you to return to this form to make changes. Tennessee administrators will NOT consider your form complete until submitted and locked.

Clicking the "Mark Complete" will lock your form and no further changes can be made. Tennessee administrators will consider your form complete if submitted and locked.

Response created on: Mar 22, 2018 at 08:14 AM EDT by THendrick@etdd.org

Response last updated on: Apr 10, 2018 at 09:52 AM EDT by THendrick@etdd.org

OBJECTIVE 3: PROMOTE MATERIAL PROCESSING AND END USE IN TENNESSEE

Loudon | Annual | 2017

Note: Questions are pre-populated with answers from last year's Annual Progress Report. Please review and change answers where applicable. Click save draft at the bottom of the page if more time is needed to complete. If completed, please click mark complete to notify the Department it is ready for review. However, once submitted this section can no longer be edited and the Department must be contacted to unlock.

Recycling Hub and Spoke Program

Do you operate a grant funded Hub or Spoke? *

Yes

No

Recycling Rebate

Did this county (including municipalities) qualify for a recycling rebate? *

Yes

No

1. Jurisdiction

Jurisdiction Name: *

Loudon County

Please describe how funds were used, and how they sustained or improved recycling for local governments. Also, please provide a county recycling report for local governments who received the recycling rebate. *

The funds were used for a 40ft x 40ft building. At this time the building is being used to enhance our recycling program. This allows us to better store recycled materials for better quality and higher prices. The paint recycling program does better in a climate controlled environment.

Total number of jurisdictions given rebates:

Equipment and Facilities

Project all new recycling & solid waste equipment needs for the next 3 years.

1. Equipment/Facility

Type:

Facility

Purpose:

Recycling/Waste Reduction

Name of Equipment or

Facility:

Loudon Recycling Center

Brief Description of Equipment/Facility (Max 500 Characters):

Single compactor on a site located in Loudon to collect comingled recyclables. Curbside household recycling containers for residents of the city of Loudon. A front loader to handle the recyclables.

Brief Description of Funding Source (Max 500 Characters):

Local city and county government state grant funding.

Total number of new equipment needs present in jurisdiction:

Facility

Provide the Name and Physical Street Address of the Facility(s) where your recyclables (paper, plastic, glass and metal) are taken, sorted, and prepared for market, after they are collected at your convenience centers, through your curbside program, or other collection points.

1. Facility

Name *	Address *	City *	Zip *
Matlock Bend Loudon County Landfill	21712 HWY 72 North	Loudon	37774

If publicly owned, describe the equipment at this location

Subtitle D landfill

2. Facility

Name *	Address *	City *	Zip *
Loudon County Convenience Centers	500 Hall Ferry Road	Lenoir City	37771

If publicly owned, describe the equipment at this location

1.Trash compactors 2. Bailers for recyclables. 3. Forklifts to handle materials. 4. Loading ramp for box trucks. 5. Two Flatbed ton trucks for recycling pickups. 6. Fifteen Recycling trailers placed at local businesses and schools. 7. Mobile shredding unit for paper.

Total number of facilities used:

2

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Are you considering becoming a hub or participating as a spoke for an existing Hub? *

Yes

No

Is your local government actively seeking and facilitating opportunities for public/private partnerships for collection and processing of recyclables? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

Continue to place recycling bins and trailers at local businesses and schools as opportunities arise.

Would you support or participate in the development or enhancement of online tools to facilitate materials processing/marketing? *

Yes

No

Is your local government supporting the development of scrap tire processing and end markets for tire-derived materials in your area? *

Yes

No

Does your local government incorporate sustainable materials management in public purchasing decisions? *

Yes

No

Clicking the "Save Draft" button will allow you to return to this form to make changes. Tennessee administrators will NOT consider your form complete until submitted and locked.

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Response created on: Mar 22, 2018 at 08:36 AM EDT by THendrick@etdd.org

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OBJECTIVE 4: INCREASE DIVERSION OF ORGANICS

Loudon | Annual | 2017

Note: Questions are pre-populated with answers from last year's Annual Progress Report. Please review and change answers where applicable. Click save draft at the bottom of the page if more time is needed to complete. If completed, please click mark complete to notify the Department it is ready for review. However, once submitted this section can no longer be edited and the Department must be contacted to unlock.

Diversion of Organics

Describe the region's current composting, solid waste processing, waste-to-energy, and incineration capacity and strategies. Note any future or expected changes. *

Loudon County does not operate a composting or processing facility.

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Do you provide information to businesses and citizens about strategies for reducing the disposal of food residuals? *

Yes

No

Are you currently providing resources to expand collection, processing and/or end use of residential organics? *

Yes

No

Are you increasing composting/processing of organics generated at county owned and/or state facilities? *

Yes

No

Are you providing financial, technical and/or local ordinance support to implement organics processing at institutions/commercial locations? *

Yes

No

Would you support updated policy for local organics recovery? *

Yes

No

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OBJECTIVE 5: SUPPORT NEW WASTE REDUCTION AND RECYCLING TECHNOLOGY

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New Waste Reduction & Recycling Technologies

In the coming years, what new programs, or modifications to existing programs, will be enacted to increase the amounts of material being reduced/recycled? *

At the current time there are no plans for new programs. We will focus on our current program and try to improve it by increasing participation.

In the coming years, what new waste reduction and recycling technologies will be utilized in your programs? *

We would like to see a facility with the capability of accepting commingled recyclables. This would involve a sorting line with Near-infrared technology.

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Would you support state policy that encourages new waste reduction and recycling technology? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

We would need assistance with start up funding.

Are you providing guidance to other local governments as they consider new waste reduction and recycling technologies? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

We plan to offer curbside recycling in the city of Loudon which would include building a center with one forty yard compactor to collect commingled recyclables, this could be in partnership with a MRF. The people responsible would be city and county officials. The target date is 2020.

Are you currently working with partners to identify and support projects using new reduction and recycling technologies that may help achieve state waste diversion and recycling goals? *

Yes

No

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OBJECTIVE 6: EXPAND AND FOCUS EDUCATION AND OUTREACH

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Past Education Efforts

If you conducted any educational programs click on the "Add" button below.

1. Educational Program

Program Name: *

Stop Litter

Program Sponsor: *

Loudon County
Convenience Center

Program Effectiveness: *

Positive Result - Noticeable
increase in materials or
quality after campaign

Number Served: *

County-Wide

Program Type: *

Classroom Advertisement Public Access Tour Recycle Guys Community Outreach Other

Program Target: *

Adult/General Public Business/Industry Government/Institutional Children/Educators Media
 Civic/Environment Other

Narrative:

The Stop Litter program in Loudon County is set up in two parts. 1) Education- this is accomplished by employees working with local governments and community groups to provide Stop Litter awareness as well as recycling promotion. 2) Litter removal- This is accomplished by using inmates which are under direct observation and control of a Loudon County Deputy Sheriff. Approximately 2/3 of the cost of the Stop Litter program is covered by grant funds.

Total number of educational programs in jurisdiction:

1

Please describe the marketing and educational initiatives you plan in the next year. *

We are in the process of rebidding our recycled materials in hope of getting better prices and more options. The plan is to try to increase the amount of product we have a market for. This will be accomplished by more corporate and public involvement in our recycling program.

Describe current waste reduction strategies for the region. Include effectiveness. If positive waste reduction efforts are not occurring, describe why and lay out strategy with timeline to address negative result efforts. *

1. We accept recyclables at three convenience center locations in Loudon County. 2. We have recycling bags in the classrooms at the local schools and recycling trailers at the schools and local businesses. 3. County Government and local law enforcement are also included in our recycling program. 4. A litter crew cleans roadways daily and brings in the recyclables they find. 5. The Convenience Center works local events to furnish recycling receptacles and provides for their collection. 6. Household waste is also collected at the local convenience centers. These actions have resulted in a positive trend in our recycling numbers.

Describe public information and education strategy, target, and general effectiveness. *

1. Be involved in community events by handing out recycling information and offering our services to make recycling available at events. 2. Continue to be involved at the local schools. 3. Speak to local youth organizations to get them involved in our program. 4. Continue to offer recycling services to local businesses to increase recycling.

Describe current recycling strategies. If capture rate for commodities are less than the percentage described in the region's plan for available materials, what will be done to address this issue. Give time table of projects, responsible parties, and method to determine success that will be used to attain this. *

Low commodity prices will not allow increases in recycling efforts. As commodity prices fall, recycling will be less cost effective, resulting in more material disposed of in the landfill

Describe your successes in the implementation of your Solid Waste Management Plan. What are you doing well to promote waste reduction: *

We are maintaining adequate facilities and equipment to manage the waste materials produced within our region.

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Would you participate in developing and promoting a statewide recycling campaign? *

Yes

No

Are you promoting sustainable materials management (recycling, organics diversion, waste reduction) in Tennessee schools and public institutions? *

Yes

No

Do you promote sustainable materials management to Tennessee businesses? *

Yes

No

Are you promoting your HHW and BOPAE collection services? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

We have two events per year; one in the spring and one in the fall for collection of HHW. We promote this by placing signs at busy intersections throughout the county. We place flyers at local businesses. The dates are placed on the county website.

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OBJECTIVE 7: ENSURE SUFFICIENT AND ENVIRONMENTALLY SOUND DISPOSAL

Loudon | Annual | 2017

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- ◆ Solid Waste Planning
- ◆ Description of MSW Region
- ◆ Waste Stream Estimate
- ◆ Convenience Centers

Page 2

- ◆ Higher Level of Service

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- ◆ Public Collection (Green Box)

Page 4

- ◆ Transfer Stations
- ◆ Publicly Owned/Operated Landfills
- ◆ Complaints
- ◆ Roadside Dumps
- ◆ 2025 Plan Implementation

Note: Questions are pre-populated with answers from last year's Annual Progress Report. Please review and change answers where applicable. Click save draft at the bottom of the page if more time is needed to complete. If completed, please click mark complete to notify the Department it is ready for review. However, once submitted this section can no longer be edited and the Department must be contacted to unlock.

Solid Waste Planning

List and discuss the three largest obstacles to your solid waste disposal system: *

Low commodity prices reduce opportunities for expansion of recyclables. Low tipping fees create a disincentive for increases in recycling. Lack of competition in recycling vendors hinders increasing pricing due to lack of markets and back to low commodity pricing. Current disposal system in place has years of permitted landfill capacity and land for a planned expansion. All of the public entities are efficiently disposing of their Class I and Class IV waste.

In the coming years, how do you plan to handle disposal of waste differently to better address these issues? *

There are currently no changes planned for the future handling of disposal.

Looking back on the Plan from this current year, what changes have been made in the way the county handles & prioritizes Solid Waste? *

No changes have been made.

Description of the Municipal Solid Waste Region

State or revise current responsibilities of each local government in the region by jurisdiction. *

Loudon County - collects Class I waste at three convenience centers and takes the waste to the County landfill. Cities of Lenoir City and Loudon pick up curbside Class I waste and take to landfill. Cities of Philadelphia and Greenback utilize convenience centers or private contracts for disposal. Loudon County provides for the collection of recyclables at the convenience centers. City of Lenoir City gives their residents the option of recycling curbside at an additional cost.

Describe and provide an analysis of the Current Solid Waste Management System within the region. *

The current system appears adequate for the region's needs in terms of Class I disposal.

Describe current waste collection and transportation systems. Include any expected changes or revisions to this plan. *

Waste is collected at three Convenience Centers. We have six compactors with 40yd boxes. Waste Connections of Tennessee contracts the hauling of the boxes. They are hauled to the county landfill operated by Santeck. There are no changes expected in the future.

What is the current disposal capacity for the solid waste processing facilities used by the region? *

The Matlock Bend landfill has permitted capacity for 8 years. The landfill receives approximately 690 tons per day based on a six day work week.

Waste Stream Estimate

Give approximate percentages of each category of waste that make up your county's MSW stream.

Residential: *

14 %

Commercial: *

46 %

Institutional: *

2 %

Industrial: *

38 %

Convenience Centers

Do you have any convenience centers? *

Yes

No

1. Convenience Centers

Name of Convenience Center: * Lenoir City Convenience Center

Address: *

500 Halls Ferry Road

City: *

Lenoir City

Zip: *

37771

Permit Number: *

CCC530000363

Phone #: *

865-988-7558

Days Convenience Center is open:

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Monday

Time Open

7:00AM

Time Closed

6:00PM

Tuesday

Time Open

7:00AM

Time Closed

6:00PM

Wednesday

Time Open

7:00AM

Time Closed

6:00PM

Thursday

Time Open

7:00AM

Time Closed

6:00PM

Friday

Time Open

7:00AM

Time Closed

6:00PM

Saturday
Time Open

7:00AM

Time Closed

6:00PM

Do you collect recyclables? *

Yes

No

What recyclables are collected at this Convenience Center: *

Metals

Paper

Glass

Batteries

Plastic

Textiles

Pallets

Tires

Used Oil

Antifreeze

E-Scrap

Paint

Other

2. Convenience Centers

Name of Convenience Center: * Loudon Convenience Center

Address: *

300 Rock Quarry Road

City: *

Loudon

Zip: *

37774

Permit Number: *

CCC530000215

Phone #: *

865-458-8536

Days Convenience Center is open:

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

Monday

Time Open

7:00AM

Time Closed

6:00PM

Tuesday

Time Open

7:00AM

Time Closed

6:00PM

Wednesday

Time Open

7:00AM

Time Closed

6:00PM

Thursday

Time Open

7:00AM

Time Closed

6:00PM

Friday

Time Open

7:00AM

Time Closed

6:00PM

Saturday

Time Open

7:00AM

Time Closed

6:00PM

Do you collect recyclables? *

Yes

No

What recyclables are collected at this Convenience Center: *

Metals

Paper

Glass

Batteries

Plastic

Textiles

Pallets

Tires

Used Oil

Antifreeze

E-Scrap

Paint

Other

3. Convenience Centers

Name of Convenience Center: * Greenback Convenience Center

Address: *

3840 Highway 95

City: *

Greenback

Zip: *

37742

Permit Number: *

CCC530000500

Phone #: *

865-856-2010

Days Convenience Center is open:

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

Tuesday
Time Open
7:00AM
Time Closed
6:00PM

Wednesday
Time Open
7:00AM
Time Closed
6:00PM

Thursday
Time Open
7:00AM
Time Closed
6:00PM

Friday
Time Open
7:00AM
Time Closed
6:00PM

Saturday
Time Open
7:00AM
Time Closed
6:00PM

Do you collect recyclables? *

- Yes
 No

What recyclables are collected at this Convenience Center: *

Metals Paper Glass Batteries

- Plastic
- Textiles
- Pallets
- Tires
- Used Oil
- Antifreeze
- E-Scrap
- Paint
- Other

CONVENIENCE CENTER SUMMARY

Please identify ANY changes that occurred to your convenience center(s)?

There were no changes in operations this year.

The State of Tennessee will input the number of County Convenience Centers required as computed using this worksheet ([click here](#)):

Total number of Convenience Centers present in jurisdiction:

3

Difference:

-3

If you have fewer convenience centers than are required, what steps will be taken to provide collection assurance?

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- ◆ Description of MSW Region
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List Higher Level of Service-Alternative Disposal Collection Systems

Does any local government have curbside waste collection (Higher Level of Service-Alternative Disposal Collection System)? *

Yes

No

1. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction: *

Lenoir City

Public program percentage of coverage within the jurisdiction: *

0.00 %

Publicly contracted programs percentage coverage within the jurisdiction: *

100.00 %

Privately contracted programs percentage coverage within the jurisdiction: *

0.00 %

Total percentage of each category of service for the jurisdiction

100.00

2. Higher Level of Service-Alternative Disposal Collection System

Jurisdiction: *

City of Loudon

Public program percentage of coverage within the jurisdiction: *

100.00 %

Publicly contracted programs percentage coverage within the jurisdiction: *

0.00 %

Privately contracted programs percentage coverage within the jurisdiction: *

0.00 %

Total percentage of each category of service for the jurisdiction

100.00

Total number of higher level alternative disposal systems in jurisdiction:

2

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Public Collection (Green Box)

Does your local government have any green boxes? *

Yes

No

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Transfer Stations

Does your local government have any transfer stations? *

Yes

No

Publicly Owned/Operated Landfills

Are there any publicly owned landfills, currently operating in the region? *

Yes

No

Project the amount of extended landfill life that diversion and technology advancements will bring to the capacity of regionally owned and operated Class I landfills. *

The landfill life could be extended by a few years given diversion and technological advancements.

Consider current growth rates for the region. How will continued growth at this rate affect landfill capacities and the solid waste management plan over the next 3, 5, and 10 years? *

The existing landfill currently has 8 years of permitted airspace and is in the process of a major permit modification that would potentially increase capacity by more than 20 years. Santek, the landfill operator, is performing the permit modification on behalf of the Loudon County Solid Waste Disposal Commission. Current projected growth rates for the region of Loudon will not have any adverse effects on the current landfill disposal capacity in the region.

Complaints

Is a method provided to receive complaints from the public related to solid waste issues? *

Yes

No

Provide the total number of reported solid waste complaints: *

2

Provide the number of solid waste complaints resolved: *

2

Describe the nature of the complaints: *

Landfill complaints (all complaints addressed, but resolution is ongoing): The LCSWDC received citizen complaints through Mr. Larry Jameson, a board member who lives near the landfill. The complaints involved two issues: The first issue is mud and gravel leaving the landfill on truck tires during rainy periods. This issue is ongoing. Santek previously installed a wheel-washing station and requires haulers to drive their vehicles through that station during wet periods. Most truck drivers comply, but a few do not. Santek is working with haulers now to remedy that situation. Clearing the mud off Highway 72 is an ongoing activity and the LCSWDC is working with Santek to develop more robust measures to insure haulers leaving the landfill do not track mud and gravel onto the highway. The second issue is trash which accumulates along roadways near the landfill. When haulers leave the landfill with trash in the box of the truck, some of it can blow out onto the highway as the trucks exit the facility. Santek has asked haulers to use their automated tarps to cover the empty box when exiting the landfill. Most haulers comply, but some do not. It is an ongoing issue for Santek to be vigilant in ensuring trash does not find its way out onto the highway.

Roadside Dumps

List the locations of the largest five roadside dumps and the materials that make up these dumps.

#	LOCATIONS	MATERIALS	DUMP TONS
1			
2			
3			
4			
5			

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Is your local government monitoring the capacity of the Class I landfills you use? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

Landfill operator works with the Loudon County Solid Waste Disposal Commission and provides monthly reports addressing landfill development, usage and remaining capacity. This practice is currently in place and occurs monthly.

Would you support, review, and strengthen environmental regulations/policies relative to solid waste management facilities? *

Yes

No

Are you currently addressing illegal disposal of materials? *

Yes

No

Describe your tactic that is planned to be implemented, who are the responsible parties and the target date of achievement: *

Landfill operator employs a random inspection program for wastes entering the landfill. This practice currently takes place on a daily basis. Loudon County has a litter-control officer who monitors trash collection on a daily basis.

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OBJECTIVE 8: DEVELOP SUSTAINABLE FUNDING SOURCES FOR SUSTAINABLE MATERIALS MANAGEMENT

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Solid Waste Management Program

Describe any setbacks encountered in your solid waste management program and how these setbacks will be resolved in future plans: *

Low local commodity prices constrain recycling activities. We need State assistance in creating better markets for the materials.

Briefly describe the current level of staff and how the program is funded. *

The Convenience Centers currently have 7 full-time employees and 10 part-time employees. The Convenience Centers are funded by county sales tax and state grants.

Improvements Remediation

Facility Improvements - Project any facility improvements needed for processing and/or managing solid waste and diversion efforts: *

The Convenience Centers plan to add a new horizontal baler to the Greenback Center. At the current time materials needing to be baled are being transported to other locations. The addition of the baler would allow a more convenient and cost effective way to handle materials. The Greenback area has also shown the largest increase in usage of our three centers.

Monitoring Cost Projections - Project any future monitoring, remediation, or mandated improvements over the next five years by the county for county owned solid waste facilities, including but not limited to, convenience centers, transfer stations, active landfills, or landfills in post-closure monitoring: *

Santek provides certain projections related to landfill life and closure and post-closure obligations.

Green Boxes

According to rule 0400-11-01-.10 5(a) requires each county to include in their Annual Progress Report a plan for eventual elimination of collection receptacles or conversion of unmanned collections site to manned convenience centers. Please summarize and describe below the county's plan to eliminate or convert green box site(s) to manned convenience center(s). Please also describe expenses that may occur during the transition and additional funding needed. *

We have no green boxes in the region.

Pay as You Throw

Does your local government have PAYT? *

Yes

No

Financial Information Survey

Expenses

EXPENSE ITEM	FUND/ENTITY	AMOUNT (\$)
51000 General Administration	Please Select Fund or Entity	
55710 Sanitation Management	Please Select Fund or Entity	
55720 Sanitation Education/Information	Please Select Fund or Entity	49,200.00
55731 Waste pickup	Please Select Fund or Entity	
55732 Convenience centers	Please Select Fund or Entity	787,585.00
55733 Transfer stations	Please Select Fund or Entity	
55734 Problem waste centers	Please Select Fund or Entity	
55735 Baling Centers	Please Select Fund or Entity	
55739 Other waste collection	Please Select Fund or Entity	
55751 Recycling Center	Please Select Fund or Entity	
55752 Compost Center	Please Select Fund or Entity	
55753 Waste incinerator	Please Select Fund or Entity	
55754 Landfill Operation and Maintenance	Please Select Fund or Entity	
55759 Other waste disposal	Please Select Fund or Entity	
55770 Post closure care costs	Please Select Fund or Entity	
64000 Highways litter and trash collection	Please Select Fund or Entity	
70000 Education	Please Select Fund or Entity	
90000 Capital projects	Please Select Fund or Entity	
Contracted Services	Please Select Fund or Entity	
Total Expenses		836,785.00

Revenues

REVENUE ITEM	FUND/ENTITY	AMOUNT (\$)
40000 Local Taxes	Please Select Fund or Entity	
40100 County Property Taxes	Please Select Fund or Entity	
40200 County Local Option Taxes	Please Select Fund or Entity	394,135.00
42000 Fines, forfeitures and penalties	Please Select Fund or Entity	
43106 Commercial and industrial waste collection	Please Select Fund or Entity	
43107 Residential waste collection charges	Please Select Fund or Entity	
43108 Convenience Center waste collection charge	Please Select Fund or Entity	
43109 Transfer waste stations collection charge	Please Select Fund or Entity	
43110 Tipping Fees	Please Select Fund or Entity	
43111 Surcharge-State	Please Select Fund or Entity	
43112 Surcharge-Host Agency	Please Select Fund or Entity	284,801.00
43113 Surcharge-General	Please Select Fund or Entity	
43114 Solid waste disposal fee	Please Select Fund or Entity	
44145 Sale of recycled materials	Please Select Fund or Entity	131,000.00
44165 Commodity rebates	Please Select Fund or Entity	
46170 Solid waste grants	Please Select Fund or Entity	
46430 Public Works grants - Litter Program	Please Select Fund or Entity	49,200.00
468511 State Revenue Sharing	Please Select Fund or Entity	
47230 Federal government disaster relief	Please Select Fund or Entity	
48000 - Other Governments and Citizens Groups	Please Select Fund or Entity	
49800 - Transfer from General Fund	Please Select Fund or Entity	
Total Revenues		859,136.00

Assets

ASSET ITEM	FUND/ENTITY	AMOUNT (\$)
13100 Fixed Assets - Landfill Facilities Development	Please Select Fund or Entity	
13200 Land	Please Select Fund or Entity	
13300 Fixed Assets - Buildings and Improvements	Please Select Fund or Entity	
13700 Machinery and Equipment	Please Select Fund or Entity	
Total Assests		

Liabilities

LIABILITY ITEM	FUND/ENTITY	AMOUNT (\$)
21870 Accrued liability for landfill closure/post closure care costs - Current	Please Select Fund or Entity	
27700 Accrued liability for landfill closure/post closure care costs	Please Select Fund or Entity	
Total Liabilities		

2025 Statewide Solid Waste and Materials Management Plan Implementation

Please select the strategy(ies) your Region is/are incorporating in the Regional Solid Waste Plan and describe the tactic(s) your Region is/are using to implement.

Would you support increased tipping fee surcharges on disposed solid waste? *

- Yes
 No

Are you currently reviewing new sources to raise revenue for waste reduction, recycling and integrated solid waste management? *

- Yes
 No

Are you developing sustainable funding strategies for local programs? *

- Yes
 No

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Response last updated on: Apr 10, 2018 at 02:10 PM EDT by THendrick@etdd.org

Loudon County Solid Waste Disposal Commission
Contract Modification Proposal
April 5, 2018

The Loudon County Solid Waste Disposal Commission ("LCSWDC") hereby makes the following proposal to modify the Operation Agreement with Santek Environmental, Inc. ("Santek") dated July 1, 2007, regarding the operation of the Matlock Bend Landfill (the "Contract").

- **Contract Extension:** The current Contract between LCSWDC and Santek will be extended approximately 5 years and will terminate on 30 June 2032. (AGREED on 1/9/18)
- **Maximum Permitted Elevation:** Santek will submit a Major Permit Modification to TDEC to reflect a lateral expansion of approximately 26.6 acres (i.e., revised total footprint of 67.2 acres) and a maximum permitted elevation as shown in Santek drawings of 1,125 ft. msl. (AGREED on 1/9/18)
- **Maximum Constructed Elevation:** Santek will develop a cell construction and grading plan similar to that prepared by Santek and shown in attached Santek drawing titled "*REMAINING EXP THRU MOD 4 (1084)_CAD.pdf*" that achieves a maximum constructed elevation of 1,093 ft. msl. (AGREED on 1/9/18)
- **Constructed Footprint:** Santek will modify the proposed constructed footprint shown on the attached Santek drawing titled "*MOD 4 VOL – partial closure_Santek.pdf*" to (approximately) the footprint shown in the attached Geosyntec drawing titled "*Conceptual Closure Layout_Rev 1.pdf*." In accordance with the referenced "*Conceptual Closure Layout_Rev 1.pdf*," Santek will construct but only partially fill (and not close) an 11.1 acre portion of liner near the end of the proposed contract extension. This 11.1 acre area will be used and subsequently closed by LCSWDC.
- **Closure Schedule:** Santek will develop and present a phased closure schedule that includes a strategy and commitment to have Santek close at its cost approximately 10 to 11 acres every five years for a total of approximately 41.6 acres as shown on the previously referenced Geosyntec drawing titled "*Conceptual Closure Layout_Rev 1.pdf*." The phased closure plan will be submitted to TDEC and will be considered a permit condition for the proposed expansion. Following this strategy, at the end of the proposed Contract extension, LCSWDC will only be responsible for the cost to close approximately 11.1 acres. A phased closure schedule will be attached to the amended Contract and permit application that will delineate the 11.1 acres of constructed liner area that will be the responsibility of LCSWDC to close at the end of the proposed Contract extension. In the event that areas beyond this 11.1 acre area have received waste during the Contract term but have not yet been closed by Santek under the approved phased closure plan, Santek will provide to LCSWDC the necessary additional funds for LCSWDC to close all such areas that received waste and have not yet been closed. The intent of this provision is to ensure that LCSWDC will not be financially responsible to close any more than 11.1 acres at the conclusion of the extended Contract term.
- **Post-closure of Phase I:** Santek will maintain financial and compliance responsibility for providing post-closure care to the Phase I portion of the landfill (estimated to be completed in 2029). (AGREED on 1/9/18) Santek will also be responsible for maintenance and compliance responsibility for all other portions of the landfill that are closed during the extended Contract term.
- **Host Fee:** Commencing in 2027 and continuing for the duration of the extended Contract term, Santek will provide to LCSWDC a Host Fee each month equivalent to the greater of \$1.00 per ton

- or 4% of gross revenue from the Landfill. The Host Fee will be used and maintained by LCSWDC at its discretion for LCSWDC operations. (AGREED on 1/9/18)
- **Security Fee for LCSWDC for C/PCC Liability:** Santek will provide to LCSWDC a Security Fee each month of \$1.75 per ton of waste to address the LCSWDC's closure and post-closure care (C/PCC) liabilities. The amount of the Security Fee will be provided by Santek and maintained by LCSWDC for the duration of the extended Contract through 2032, but the amount will be adjusted annually based upon the 2 financial objectives set forth directly below.
 - **Annual Review and Security Fee Adjustment:** LCSWDC and Santek will agree to an analysis methodology captured in a spreadsheet that will be used to calculate and adjust on an annual basis, as needed, the Security Fee to accomplish the following objectives: 1.) LCSWDC will have sufficient funds in its Security Fee account to cover its liability for C/PCC costs by the end of the current contract in 2027; and 2.) LCSWDC will have \$1.6M remaining in its Security Fee account in 2032 after deduction of funds to cover its liability for C/PCC costs.

* The foregoing proposal is based upon the following underlying assumptions:

1. 641 tons of waste per day for 270 days per year = 173,070 tons per year
2. 1,314,169 tons of remaining airspace at end of 2016
3. Closure Costs in 2016 at \$126,728 per acre
4. Post-Closure Care Costs in 2016 at \$47,073 per acre

(AGREED on 1/9/18)

2017 Loudon

Class I = 272,070.70 tons

Class IV = 1.64 tons

Public Recycling = 2,480.73 tons

Private Recycling = 226,310.93 tons

Waste Diversion = 102,067.69 tons

Landfilled Rate = 272,070.70 tons landfilled / 602,931.69 tons generated = 45.1% landfilled

Diversion Rate = 54.9%

2017 Loudon

Class I = 272,070.7 tons

Class IV = 1.64

Public Recycling

Loudon Co. Convenience Centers (257) = 1,569.53 tons

Tellico Village (012) = 911.20 tons

Private Recycling

Wal-Mart (825) = 804 tons

Dollar General (815) = 146.45 tons

Dollar Tree (777) = 72.80

Family Dollar (787) = 15.60

Tate and Lyle (032) = 222,960.44 tons

Spectra Environmental Recycling (999) = 114.67 tons

Viskase Companies (010) = 48.25 tons

Monterey (993) = 546.25 tons

Kimberly Clark (990) = 683.07 tons

Advance Auto Parts (006) = 76.33 tons

Advance Auto Parts (768) = 30 tons

American Honda (022) = 813.07 tons

Waste Diversion

Wal-Mart (830) = 70.44 tons

American Honda Motor (023) = 169.32

Kimberly Clark (991) = 101,816.30 tons

Lenoir Cities Utility Board (008) = 11.63 tons



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**Monthly Operations Report
Matlock Bend Landfill
April 10, 2018**

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

- I. OPERATIONS**
 - A. Tonnage Report
 - B. Customer Report
 - C. Inspection
 - D. Materials Classification Report
 - E. Waste Characterization Report
 - F. Tire Report
 - G. Remaining Life Estimate

- II. AIRSPACE UTILIZATION SCHEDULE**

- III. HOST & SECURITY FEES**

LANDFILL TONNAGE VOLUME
MONTH ENDING -
MARCH 2018

MATLOCK BEND LANDFILL

MONTH	2017	2018	2017 TO 2018
JANUARY	15,336.42	15,858.64	522.22
FEBRUARY	14,991.58	13,865.56	(1,126.02)
MARCH	16,055.37	15,779.17	(276.20)
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	46,383.37	45,503.37	(880.00)

**DAILY AVG FOR ANY
 RUNNING 30 DAY
 PERIOD** **497.77**

LOUDON COUNTY

MONTH	2017	2018	2017 TO 2018
JANUARY	477.16	471.26	(5.90)
FEBRUARY	424.98	419.40	(5.58)
MARCH	498.94	496.17	(2.77)
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	1,401.08	1,386.83	(14.25)

**DAILY AVG FOR 22.5
 DAY PERIOD** **701.30**

LENOIR CITY

MONTH	2017	2018	2017 TO 2018
JANUARY	320.21	311.92	(8.29)
FEBRUARY	280.52	294.51	13.99
MARCH	375.49	353.46	(22.03)
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	976.22	959.89	(16.33)

CITY OF LOUDON

MONTH	2017	2018	2017 TO 2018
JANUARY	374.21	363.15	(11.06)
FEBRUARY	316.79	344.19	27.40
MARCH	407.26	371.66	(35.60)
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	1,098.26	1,079.00	(19.26)

WASTE SERVICES OF TN

MONTH	2017	2018	2017 TO 2018
JANUARY	2,573.63	2,437.61	(136.02)
FEBRUARY	2,358.39	2,331.36	(27.03)
MARCH	2,521.29	2,635.18	113.89
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	7,453.31	7,404.15	(49.16)

TENNESSEE TRASH

MONTH	2017	2018	2017 TO 2018
JANUARY	3,735.96	3,854.46	118.50
FEBRUARY	3,572.92	3,518.63	(54.29)
MARCH	3,906.62	4,121.81	215.19
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	11,215.50	11,494.90	279.40

LANDFILL TONNAGE VOLUME
MONTH ENDING -
MARCH 2018

KIMBERLY CLARK - PAPER WASTE

MONTH	2017	2018	2017 TO 2018
JANUARY	4,389.45	5,057.39	667.94
FEBRUARY	4,197.85	3,563.87	(633.98)
MARCH	3,834.53	4,234.12	399.59
APRIL			0.00
MAY			0.00
JUNE			0.00
JULY			0.00
AUGUST			0.00
SEPTEMBER			0.00
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	12,421.83	12,855.38	433.55

**TENNESSEE DIVISION OF SOLID WASTE MANAGEMENT
CLASS I LANDFILL INSPECTION CHECKLIST***

**CLASS I
LANDFILL**

SITE	Check Site for Enforcement	DATE	TIME	WEATHER
Loudon County Landfill	SNL530000203 21712 Highway	20180404	14:00	50 deg F clear
INSPECTOR				EFO
P. Plont				KNOX

*SEE DISCLAIMER ON LAST PAGE

VIOLATION	REGULATION	OBSERVATION				COMMENTS
		NVO	AOC	V1	V2	

BUFFER ZONE STANDARDS FOR SITING LANDFILLS

8310	BUFFER ZONE STANDARD VIOLATED	0400-11-01-.04(3)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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COLLECTED LEACHATE

8330	LEACHATE IMPROPERLY MANAGED	0400-11-01-.04(4)(a)8(i-iii) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8340	INADEQUATE LEACHATE COLLECTION SYSTEM	0400-11-01-.04(4)(a)7 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

COMMUNICATIONS

8130	NO COMMUNICATION DEVICES	0400-11-01-.04(2)(f) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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COVER MATERIAL

8160	UNAVAILABILITY OF COVER MATERIAL.	0400-11-01-.04(2)(h) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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DEAD ANIMALS

8250	DEAD ANIMALS IMPROPERLY HANDLED	0400-11-01-.04(2)(k)5.(ii) (I-III) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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DUST CONTROL

8190	INADEQUATE DUST CONTROL	0400-11-01-.04(2)(j) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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DUTY TO PROVIDE INFORMATION

8530	UNSATISFACTORY RECORDS OR REPORTS	0400-11-01-.02(5)(a)7 ? TCA 68-211-862(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8590	PERMITS, PLANS, OPERATING MANUAL NOT AVAILABLE	0400-11-01-.02(5)(a)(7) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

FIRE SAFETY

8080	EVIDENCE OF OPEN BURNING	0400-11-01-.04(2)(c)1 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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VIOLATION	REGULATION	OBSERVATION				COMMENTS		
		NVO	AOC	V1	V2			
FIRE SAFETY								
8090	INADEQUATE FIRE PROTECTION	0400-11-01-.04(2)(c)2	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GAS MIGRATION CONTROL STANDARDS								
8380	INADEQUATE GAS MIGRATION CONTROL SYSTEM	0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8390	INADEQUATE MAINTENANCE OF GAS MIGRATION CONTROL SYSTEM	0400-11-01-.04(5)(a)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GENERAL FACILITY STANDARDS								
8010	INADEQUATE VECTOR CONTROL	0400-11-01-.04(2)(a)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8020	ACCESS NOT LIMITED TO OPERATING HOURS	0400-11-01-.04(2)(a)4	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8030	INADEQUATE ARTIFICIAL OR NATURAL BARRIER	0400-11-01-.04(2)(b)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8040	INADEQUATE INFORMATION SIGNS	0400-11-01-.04(2)(b)2 TCA 68-211-703(h)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8050	UNSATISFACTORY ACCESS ROAD(S)/PARKING AREA(S)	0400-11-01-.04(2)(b)3	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8060	CERTIFIED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8070	UNAPPROVED SALVAGING OF WASTE	0400-11-01-.04(2)(b)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
LITTER CONTROL								
8110	UNSATISFACTORY LITTER CONTROL	0400-11-01-.04(2)(d)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
OPERATING EQUIPMENT								
8140	INADEQUATE OPERATING EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8150	UNAVAILABILITY OF BACKUP EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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VIOLATION	REGULATION	OBSERVATION				COMMENTS	
		NVO	AOC	V1	V2		
OVERALL PERFORMANCE STANDARD							
8270	WASHOUT OF SOLID WASTE	0400-11-01-.04(2)(a)(3) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8320	INADEQUATE MAINTENANCE OF LEACHATE MANAGEMENT SYSTEM (INSPECTOR TO CHECK AND RECORD LEACHATE LEVELS AT EVERY LANDFILL SUMP)	0400-11-01-.04(2)(a)(3) 0400-11-01-.04(4)(a)7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2 sumps = 24 & 23.6 inch
8350	LEACHATE OBSERVED AT THE SITE	0400-11-01-.04(2)(a)(3) ? 0400-11-01-.04(4)(a)6,	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8360	LEACHATE ENTERING RUN-OFF	0400-11-01-.04(2)(a)(3) ? 0400-11-01-.04(4)(a)6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8370	LEACHATE ENTERING A WATER COURSE	0400-11-01-.04(2)(a)(3) ? 0400-11-01-.04(4)(a)6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8420	POTENTIAL FOR EXPLOSIONS OR UNCONTROLLED FIRES	0400-11-01-.04(2)(a)2 ? 0400-11-01-.04(5)(a)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8490	EXCESSIVE POOLING OF WATER	0400-11-01-.04 (2)(a)3 ? 0400-11-01-.04(8)(c)4(iii)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8520	DUMPING OF WASTE INTO WATER	0400-11-01-.04 (2)(a)3 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PERMANENT BENCHMARK							
8280	NO PERMANENT BENCHMARK	0400-11-01-.04(2)(o) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PERSONNEL SERVICES							
8120	INADEQUATE EMPLOYEE FACILITIES	0400-11-01-.04(2)(e) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PROPER OPERATION AND MAINTENANCE							
8540	GROUNDWATER MONITORING SYSTEM IMPROPERLY MAINTAINED	0400-11-01-.02(5)(a)4 ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RANDOM INSPECTION PROGRAM							
8290	INADEQUATE RANDOM INSPECTION PROGRAM	0400-11-01-.04(2)(s) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RECORDS OF ORIGIN AND AMOUNT OF SOLID WASTE							

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VIOLATION	REGULATION	OBSERVATION				COMMENTS		
		NVO	AOC	V1	V2			
RECORDS OF ORIGIN AND AMOUNT OF SOLID WASTE								
8610	NO OPERATING SCALES AND/OR FAILURE TO MAINTAIN WASTE RECORDS	TCA 68-211-862(a)(b) (1)(2)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RUN-ON, RUN-OFF, AND EROSION CONTROL								
8170	INADEQUATE MAINTENANCE OF RUN-ON/RUN-OFF SYSTEM(S)	0400-11-01-.04(2)(i)1-5 0400-11-01-.04(8)(c)4(i)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8180	INADEQUATE EROSION CONTROL	0400-11-01-.04(2)(i)6 0400-11-01-.04(8)(c)4(ii)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SPECIAL WASTE APPROVAL PROCESS								
8300	MISHANDLING OF SPECIAL WASTE	0400-11-01-.01(4)(d)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
UNLAWFUL METHODS OF DISPOSAL								
8570	OPERATION DOES NOT CORRESPOND WITH ENGINEERING PLANS (EVALUATE AND RECORD THE APPROXIMATE INTERIOR AND EXTERIOR SLOPE OF THE LANDFILL)	TCA 68-211-104(3) TCA 68-211-105(b)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cellA slope max 30 deg,
8580	OPERATION DOES NOT CORRESPOND WITH PERMIT CONDITIONS	TCA 68-211-104(3) 0400-11-01-.02(5)(a)(1)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VACANT								
8260	VACANT	vacant		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8550	VACANT	vacant		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8560	VACANT	vacant		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WASTE HANDLING AND COVER STANDARDS								
8430	WASTE NOT CONFINED TO A MANAGEABLE AREA	0400-11-01-.04(6)(a)1	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8440	IMPROPER SPREADING OF WASTE	0400-11-01-.04(6)(a)2	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8450	IMPROPER COMPACTING OF WASTE	0400-11-01-.04(6)(a)2	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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VIOLATION	REGULATION	OBSERVATION				COMMENTS		
		NVO	AOC	V1	V2			
WASTE HANDLING AND COVER STANDARDS								
8460	UNSATISFACTORY INITIAL COVER	0400-11-01-.04(6)(a)3 0400-11-01-.04(6)(a)5	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8470	UNSATISFACTORY INTERMEDIATE COVER	0400-11-01-.04(6)(a)4 0400-11-01-.04(6)(a)5	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8480	UNSATISFACTORY FINAL COVER	0400-11-01-.04(6)(a)6 0400-11-01-.04(8)(c)4	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8510	UNSATISFACTORY STABILIZATION OF COVER	0400-11-01-.04(6)(a)5,6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
WASTE RESTRICTIONS								
8210	UNAUTHORIZED WASTE ACCEPTED	0400-11-01-.04(2)(k)1 0400-11-01-.04(2)(k)6	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8220	UNAPPROVED SPECIAL WASTE ACCEPTED	0400-11-01-.01(4)(b) 0400-11-01-.01(4)(c)5	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8230	TIRES IMPROPERLY HANDLED	0400-11-01-.04(2)(k)3.(i)	?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8240	MEDICAL WASTE IMPROPERLY HANDLED	0400-11-01-.04(2)(k)4.(i-iv)?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**Disclaimer: The information contained in these documents (checklists/notes, etc.) is not intended to be all inclusive and is subject to change. These documents are intended solely for use by DSWM staff. These documents are not a substitute for evaluation of compliance in accordance with applicable laws and regulations. These documents are not intended for, nor can they be relied upon, to create any rights, substantive or procedural, enforceable or useable by any party in litigation with the State of Tennessee or its employees.*

Sump and Tank Level Readings

tank was observed at 9 feet.

Additional Comments

Couple areas on cell A slope have a rill that should be worked when that slope is dry enough to not damage by machine - small limited length and not to waste nor was any liquid observed. Litter low with worker observed working. Wet spots worked last month holding well with it not needing more work. Wheel wash being cleaned and entrance washed. New part to cell I being constructed. Ditches and head walls already placed in lower area with rip rap and higher areas partially set. Liner exposed at tie in locations. Clay stockpiled and liner material on site.

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary March 2018

Material	Tonnage	2015 Sludge %		2016 Sludge %	
MSW		January	2%	January	4%
		February	3%	February	3%
MSW	<u>10,669</u>	March	3%	March	4%
Special Waste		April	1%	April	3%
Other	4,366	May	2%	May	4%
Ash	0	June	1%	June	2%
Sludge	<u>744</u>	July	5%	July	2%
Total Special Waste	<u><u>5,110</u></u>	August	2%	August	3%
Total MSW & SW	15,779	September	2%	September	2%
Tires	20	October	2%	October	3%
Total Material	<u><u>15,799</u></u>	November	3%	November	3%
% MSW	<u>68%</u>	December	5%	December	3%
% Special Waste	<u>32%</u>				
% Sludge	<u>5%</u>				

2017 Sludge %		2018 Sludge %	
January	5%	January	4%
February	8%	February	4%
March	8%	March	5%
April	7%	April	0%
May	4%	May	0%
June	2%	June	0%
July	3%	July	0%
August	4%	August	0%
September	7%	September	0%
October	8%	October	0%
November	6%	November	0%
December	5%	December	0%

**2017-2018 Matlock Bend
Landfill Tire Report**

Month	Tonnage
Jul-17	47.28
Aug-17	54.96
Sep-17	39.52
Oct-17	33.36
Nov-17	37.12
Dec-17	49.34
Jan-18	19.74
Feb-18	26.26
Mar-18	18.18
Apr-18	
May-18	
Jun-18	
Total (tons)	325.76

March 13, 2018



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

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

Mr. Bassam Faleh
Tennessee Department of Environment and Conservation
Division of Solid Waste Management
312 Rosa Parks Ave.
12th Floor, Tennessee Tower
Nashville, TN 37243-1535

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

Dear Mr. Faleh:

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

The annual tonnage received at the Matlock Bend Landfill during 2017 was 174,532 tons. Using 273 operational days per year, further calculation results in approximately 639 tons per day in 2017. Of the 40 acres of the permitted sanitary landfill site, approximately 35.3 acres have been developed and are being utilized for waste disposal.

The total airspace permitted is 4,748,110 cy. The airspace remaining as of September 7, 2017 is 1,399,123 cy. This is the volume available for waste and operational soil. The average consumption of airspace is calculated to be 1.24 cy/ton; this also is waste and required operational cover soil. Using 273 operational days per year, the calculated life is 6.5 years.

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

Sincerely,


Ron E. Vail, P.E.
Executive V.P. of Engineering

Enclosure

cc: Mr. Steve Field, Loudon County Solid Waste Disposal Commission Chairman
Mr. Matt Dillard, Executive V.P. of Operations, Santek
Mrs. Cheryl Dunson, Executive V.P. of Marketing, Santek
Mr. Raymond Givens, Landfill Manager, Santek

2018 ESTIMATE OF REMAINING LANDFILL LIFE

Registration No. SNL 53-103-0203

Name of Site Matlock Bend Landfill

Location 21712 Highway 72 North, Loudon, TN

Owner Loudon County Solid Waste Disposal Commission

Estimated Remaining Life of Site in Years 6 Months 6 as of Sept. 7, 2017 (Aerial Date)

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

639 Tons per day, or 792 Cubic yards per day

273 Number of days/operation per week

40 Number of Usable Acres Originally

4.7 Remaining Number of Usable Acres

Signature of person preparing form: _____

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

Title: Executive Vice President of Engineering

Date prepared: 3/13/18

Spaces Below This Line For Office Use Only

Reviewed by Solid Waste Representative _____

Agree with Estimate Yes _____ No _____

If Disagree With Estimate, Give Own Estimate _____ Years _____ Months

Date of Review _____

Matlock Bend Landfill - Module I-A 2018 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)
		15,250		1.44		
Sept. 7, 2017	260,032	-	-	-	-	-
Sept. 8 - 30, 2017	-	13,104	A	1.44	18,870	241,162
October	-	17,669	A	1.44	25,443	215,719
November	-	16,195	A	1.44	23,321	192,398
December	-	15,566	A	1.44	22,415	169,983
January '18	-	15,885	A	1.44	22,874	147,109
February	-	13,724	A	1.44	19,763	127,346
March	-	16,142	A	1.44	23,244	104,102
April	-	15,250	P	1.44	21,960	82,141
May	-	15,250	P	1.44	21,960	60,181
June	-	15,250	P	1.44	21,960	38,220
July	-	15,250	P	1.44	21,960	16,260
August	-	15,250	P	1.44	21,960	0
September	-	15,250	P	1.44	21,960	0
October	-	15,250	P	1.44	21,960	0
November	-	15,250	P	1.44	21,960	0
December	-	15,250	P	1.44	21,960	0

¹ = Remaining airspace based on September 7, 2017 aerial survey.

Full Date

August-2018

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 = 1.24 cy/ton)

Tonnage for Past 3 Months

January	15,885
February	13,724
March	16,142
Average	15,250

cc: Tim
Matt
Cheryl
Ron
Raymond
Jason
Mark



650 25th Street NW, Ste 100
Cleveland, TN 37311

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

April 5, 2018

Loudon County Solid Waste Disposal Commission
100 River Road
P.O. Box 351
Loudon, TN 37774

Dear Steve:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Santek agreed to pay the Commission a host fee and security fee as defined in the Agreement. The following recap reflects the calculation for the period March 1, 2018 to March 31, 2018:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$315,731.10
Host Fee Percentage	<u>4.00%</u>
	\$ 12,629.24
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	15,779.17
Rate per ton	<u>\$ 1.00</u>
Total	\$ 15,779.17
Total Tip Fees Billed	\$315,731.10
Security Fee Percentage	<u>5.00%</u>
	\$ 15,786.55

Our checks in payment of the above fees have been remitted to the above address for the Commission. Should you have any questions or need additional information, please let me know.

Sincerely,

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

Mark C. Mathys
Corporate Controller