

AGENDA

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

December 10, 2013

6:30 p.m.

LOUDON COUNTY COURTHOUSE ANNEX

Loudon, Tennessee

1. Call to Order
2. Approval of Minutes – November 12, 2013
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Discussion on Major Permit Modification
7. Attorney's Report
8. Chairman's Report
 - i. Solid Waste Director
9. Gordon Harless & MOU
10. Other Items of Commission's Consideration
11. Adjourn

From 1996 CPCC Plan

Features to control these releases include:

- final cap design (stormwater and surfacewater management system),
- leachate collection system, and
- installation of a landfill gas management system.

Monitoring and maintenance of the landfill site will be provided for a 30-year period after closure is completed. This is in accordance with Rule 1200-1-7-.04(8)(d).

1.2.2 Closure Schedule

At least 60 days prior to beginning any final closure activities, Santek Environmental Inc. will notify the Director of the Solid Waste Division of the Tennessee Department of Environment and Conservation (TDEC) of its intent to perform closure. Interim closure activities, including grading and establishing vegetative cover, will be accomplished as waste placement of each module achieves final grade. It is noted that a minor portion of each module shall be allowed to be incomplete in order to provide an access road the width of three times the maximum construction equipment width. This is necessary to allow for ingress and egress at uncompleted phases that are located beyond completed phases. Within 90 days after any entire module reaches final grade, construction of the final cap system will begin. These time allowances are in accordance with Rule 1200-1-7-.04(8)(c) 1 through 3, respectively. If contingencies force exceptions to the schedule times set forth above, a waiver will be requested.

Santek Environmental Inc. will notify TDEC in writing when all closure activities are complete. This notification will include a certification that the area has been closed in accordance with this

The Matlock Bend Landfill post-closure care-period contact shall be:

Chairman Steve Field
Loudon County Solid Waste Disposal Commission
100 River Road
Loudon, TN 37774
Telephone No. (865) 576-1057

From pdf page 364 of the 2009
Expansion Permit Application.

1.2 Closure Operating Plan

1.2.1 General Overview

The Closure Plan is developed in a manner to minimize maintenance needs during the post-closure care period. Features include:

- promotion of effective drainage designed to minimize infiltration and erosion,
- vegetation of the top surface and side slopes to minimize erosion, and
- use of flexible components to allow for settlement of all closure components located over the waste.

The Closure Plan and post-closure care activities also are developed to minimize threats to human health and the environment resulting from waste decomposition by-products, such as leachate and landfill gases. Features to control these releases include:

- final cap design (storm water and surface water management system),
- leachate collection system, and
- installation of a landfill gas management system.

Monitoring and maintenance of the MBL Site will be provided for a 30-year period after closure is completed. This is in accordance with Rule 1200-1-7-.04(8)(d).

1.2.2 Closure Schedule

At least 60 days prior to beginning any final closure activities, Santek Environmental Inc. (Santek) will notify the TDEC Director of the Solid Waste Division of its intent to perform landfill closure. Interim closure activities, including grading and establishing vegetative cover will be accomplished as waste placement of each module achieves final grade. It is noted that a minor portion of each module shall be allowed to be incomplete in order to provide an access road the width of three times the maximum construction equipment width. This access road is necessary to allow for ingress and egress at uncompleted modules that are located beyond completed modules. As portions of the fill areas achieve final grade, intermediate cover will be placed. Vegetation will be planted and maintained. It is the intent of this Plan to place the final closure cap after all available airspace has been utilized or exhausted. These time allowances and

- Comparison of Current and Proposed C/PCC Plans
 - Current C/PCC Plan
 - *Within 90 days after any entire module reaches final grade, construction of the final cap system will begin*
 - Proposed Permit Application
 - *As portions of the fill areas achieve final grade, intermediate cover will be placed. Vegetation will be planted and maintained. It is the intent of this Plan to place the final closure cap after all available airspace has been utilized or exhausted*

With regards to the language used in the proposed permit application, it is noted that the time when “all available airspace has been utilized or exhausted” will only occur AFTER the current contract between LCSWDC and Santek has expired.

County	SW Supervisor (answers to...)
Anderson	County Exec
Bedford	Bedford County Solid Waste Authority
Bledsoe	County Exec
Blount	Alcoa Public Works Director and Blount Co Exec
Carroll	County Exec
Cheatham	County Exec
Chester	County Exec
Davidson	Public Works
Fayette	County Exec
Giles	County Exec and SW Board
Greene	County Exec
Grundy	SW Director IS County Exec
Hamilton	County Exec
Hardin	County Exec
Haywood	County Exec
Henry	County Exec
Humphreys	County Exec
Jefferson	County Exec
Johnson	County Exec
Lawrence	County Exec
Marshall	Solid Waste Committee
Maury	County Exec
McMinn	County Exec
McNairy	County Exec
Montgomery/Stewart	Bi County Solid Waste Board
Moore	County Exec IS the SW Director
Morgan	County Court and County Exec--using inmate labor
Obion	County Exec
Overton	County Exec
Perry	?
Putnam	County Exec
Rhea	County Exec
Roane	County Exec
Rutherford	County Exec
Sevier	Sevier Solid Waste Board
Smith	County Exec
Sumner	Board of Directors
Tipton	?
Warren	County Exec
Washington	County Exec
Wilson	Public Facilities Board

MEMORANDUM OF UNDERSTANDING

Green Waste Project Study

This Memorandum of Understanding (MOU) is entered into by and between the City/County of _____ and Loudon County __ (together the "Parties").

Whereas, the Parties share a mutual interest in proper yard waste collection and disposal methods; and

Whereas, the Parties desire to join together to participate in a feasibility study to help determine the viability of a Green Waste Recycling Project.

NOW, THEREFORE, THE PARTIES AGREE TO:

1. Analyze and calculate the monthly yard waste totals generated by each entity;
2. Seek and collaborate with a grant application to fund the green waste recycling unit;
3. Identify the process to be used by Loudon County;
4. Tour the Wampler Sausage Facility and evaluate the system;
5. Determine what associated equipment is needed to implement the Green Waste Recycling Project;
6. Participate in the cost-benefit study of the Green Waste Recycling Project; and
7. Provide proposal for consideration.

This MOU shall be implemented from January 1, 2014, to June 30, 2014. **IN WITNESS WHEREOF**, the Parties have hereunto affixed their signatures this *[Day]* of *[Month]*, 2013.

Approved: _____

Mayor

Approved: _____

Mayor



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

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

**Monthly Operations Report
Matlock Bend Landfill
December 10, 2013
Presented by:
Santek Environmental, Inc.**

- I. OPERATIONS**
 - A. Tonnage Report
 - B. Customer Report
 - C. Inspection
 - D. Materials Classification Report
 - E. Tire Report

- II. REMAINING AIRSPACE UTILIZATION SCHEDULE**

- III. HOST & SECURITY FEES**

**LANDFILL TONNAGE VOLUME
MONTH ENDING -
NOVEMBER 2013**

MATLOCK BEND LANDFILL

MONTH	2012	2013	2012 TO 2013
JANUARY	21228.22	21183.26	-44.96
FEBRUARY	19725.24	18784.45	-940.79
MARCH	21278.30	21164.32	-113.98
APRIL	18513.04	23808.40	5295.36
MAY	21187.33	24577.63	3390.30
JUNE	19009.85	21643.84	2633.99
JULY	19732.59	21471.10	1738.51
AUGUST	21348.07	21439.01	90.94
SEPTEMBER	19594.32	19616.80	22.48
OCTOBER	19515.01	21230.51	1715.50
NOVEMBER	17925.25	17453.70	-471.55
DECEMBER			0.00
TOTAL	219057.22	232373.02	13,315.80

LOUDON COUNTY

MONTH	2012	2013	2012 TO 2013
JANUARY	455.80	453.60	-2.20
FEBRUARY	434.11	384.82	-49.29
MARCH	500.25	436.97	-63.28
APRIL	444.00	479.58	35.58
MAY	476.95	474.49	-2.46
JUNE	463.27	452.76	-10.51
JULY	496.37	513.37	17.00
AUGUST	480.45	457.80	-22.65
SEPTEMBER	409.33	430.59	21.26
OCTOBER	428.06	438.17	10.11
NOVEMBER	470.12	377.62	-92.50
DECEMBER			0.00
TOTAL	5058.71	4899.77	-158.94

LENOIR CITY

MONTH	2012	2013	2012 TO 2013
JANUARY	284.88	297.14	12.26
FEBRUARY	283.75	261.57	-22.18
MARCH	365.85	270.08	-95.77
APRIL	346.16	355.37	9.21
MAY	340.93	332.94	-7.99
JUNE	320.28	295.24	-25.04
JULY	354.07	369.49	15.42
AUGUST	339.22	344.97	5.75
SEPTEMBER	315.80	304.62	-11.18
OCTOBER	309.40	312.80	3.40
NOVEMBER	265.16	247.76	-17.40
DECEMBER			0.00
TOTAL	3525.50	3391.98	(133.52)

**DAILY AVG FOR ANY
RUNNING 30 DAY
PERIOD** 581.79

CITY OF LOUDON

MONTH	2012	2013	2012 TO 2013
JANUARY	360.21	361.29	1.08
FEBRUARY	332.91	303.30	-29.61
MARCH	415.05	348.14	-66.91
APRIL	370.06	427.14	57.08
MAY	385.40	429.42	44.02
JUNE	364.68	367.47	2.79
JULY	404.44	427.04	22.60
AUGUST	425.57	407.20	-18.37
SEPTEMBER	335.77	362.06	26.29
OCTOBER	360.39	363.07	2.68
NOVEMBER	352.97	324.58	-28.39
DECEMBER			0.00
TOTAL	4107.45	4120.71	13.26

WASTE SERVICES OF TN

MONTH	2012	2013	2012 TO 2013
JANUARY	3697.81	4596.48	898.67
FEBRUARY	3731.86	5069.18	1337.32
MARCH	3915.26	4998.69	1083.43
APRIL	4006.32	5925.28	1918.96
MAY	4785.96	5132.10	346.14
JUNE	4263.01	5270.28	1007.27
JULY	5067.34	5162.47	95.13
AUGUST	5059.62	4710.10	-349.52
SEPTEMBER	4521.29	4812.63	291.34
OCTOBER	4816.13	5182.25	366.12
NOVEMBER	3774.03	4185.97	411.94
DECEMBER			0.00
TOTAL	47638.63	55045.43	7,406.80

WASTE CONNECTIONS

MONTH	2012	2013	2012 TO 2013
JANUARY	0.00	0.00	0.00
FEBRUARY	30.22	0.00	-30.22
MARCH	0.00	0.00	0.00
APRIL	0.00	7.25	7.25
MAY	0.00	10.95	10.95
JUNE	0.00	8.02	8.02
JULY	0.00	5.92	5.92
AUGUST	5.40	0.00	-5.40
SEPTEMBER	0.00	0.00	0.00
OCTOBER	6.60	5.06	-1.54
NOVEMBER	0.00	16.05	16.05
DECEMBER			0.00
TOTAL	42.22	53.25	11.03

LANDFILL TONNAGE VOLUME
MONTH ENDING -
NOVEMBER 2013

KIMBERLY CLARK - PAPER WASTE

MONTH	2012		2013	
JANUARY	7975.38	6856.77	-1118.61	
FEBRUARY	7790.53	5851.74	-1938.79	
MARCH	7790.86	7687.65	-103.21	
APRIL	6201.17	7018.70	817.53	
MAY	7497.63	8293.00	795.37	
JUNE	7543.41	7282.70	-260.71	
JULY	7927.52	8313.08	385.56	
AUGUST	8342.83	8570.34	227.51	
SEPTEMBER	7891.37	7741.02	-150.35	
OCTOBER	6685.12	7915.96	1230.84	
NOVEMBER	6818.07	7665.86	847.79	
DECEMBER			0.00	
TOTAL	82463.89	83196.82	732.93	

TATE & LYLE - SLUDGE

MONTH	2012		2013	
JANUARY	1264.44	2186.05	921.61	
FEBRUARY	1593.58	2377.30	783.72	
MARCH	1693.49	2382.90	689.41	
APRIL	1629.64	2766.65	1137.01	
MAY	1527.87	1879.97	352.10	
JUNE	1447.61	2381.90	934.29	
JULY	2192.48	1999.93	-192.55	
AUGUST	2142.03	1734.07	-407.96	
SEPTEMBER	1856.06	2159.64	303.58	
OCTOBER	2099.31	2048.70	-50.61	
NOVEMBER	1630.86	2048.01	417.15	
DECEMBER			0.00	
TOTAL	19077.37	23965.12	4,887.75	

PSC METALS INC

MONTH	2012		2013	
JANUARY	5439.68	5100.02	-339.66	
FEBRUARY	3937.54	3992.14	54.60	
MARCH	4655.10	3842.74	-812.36	
APRIL	3902.33	5550.21	1647.88	
MAY	4230.61	5413.60	1182.99	
JUNE	2766.11	4102.91	1336.80	
JULY	2029.92	2640.75	610.83	
AUGUST	2612.79	2757.78	144.99	
SEPTEMBER	2619.50	2447.58	-171.92	
OCTOBER	3089.46	2889.73	-199.73	
NOVEMBER	2748.18	1287.67	-1460.51	
DECEMBER			0.00	
TOTAL	38031.22	40025.13	1,993.91	

TATE & LYLE - ASH

MONTH	2012		2013	
JANUARY	958.79	771.87	-186.92	
FEBRUARY	470.78	884.91	414.13	
MARCH	633.01	943.56	310.55	
APRIL	894.70	1235.12	340.42	
MAY	1183.70	1205.39	21.69	
JUNE	1219.60	1166.92	-52.68	
JULY	1090.55	1291.32	200.77	
AUGUST	1217.54	1180.93	-36.61	
SEPTEMBER	1113.40	1080.97	-32.43	
OCTOBER	1109.09	838.34	-270.75	
NOVEMBER	639.06	559.14	-79.92	
DECEMBER			0.00	
TOTAL	10530.22	11158.47	628.25	

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary November 2013

Material	Tonnage	2011 Sludge %		2012 Sludge %	
MSW					
MSW	<u>5,628</u>	January	xx	January	6%
		February	xx	February	8%
		March	16%	March	8%
		April	12%	April	9%
		May	13%	May	8%
		June	12%	June	8%
		July	11%	July	11%
		August	8%	August	10%
		September	6%	September	10%
		October	6%	October	12%
		November	6%	November	10%
		December	7%	December	10%
Special Waste					
Other	8,966				
Ash	691				
Sludge	<u>2,169</u>				
Total Special Waste	<u><u>11,826</u></u>				
Total MSW & SW	17,454				
Tires	25				
Total Material	<u><u>17,478</u></u>				
% MSW	<u>32%</u>				
% Special Waste	<u>68%</u>				
% Sludge	<u>12%</u>				

	2013 Sludge %		2014 Sludge %	
January	11%	January	xx	
February	13%	February	xx	
March	12%	March	xx	
April	12%	April	xx	
May	10%	May	xx	
June	13%	June	xx	
July	11%	July	xx	
August	9%	August	xx	
September	12%	September	xx	
October	10%	October	xx	
November	12%	November	xx	
December	xx	December	xx	

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

Month	Tonnage
Jul-13	21.05
Aug-13	15.02
Sep-13	39.75
Oct-13	57.56
Nov-13	16.91
Dec-13	
Jan-14	
Feb-14	
Mar-14	
Apr-14	
May-14	
Jun-14	
Total (tons)	150.29

Matlock Bend Landfill - Module H 2014 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)
		19,575		1.07		
Sept. 20, 2013	576,461	-	-	-	-	-
Sept. 21-30, 2013	-	7,424	A	1.07	7,944	568,517
October	-	21,656	A	1.07	23,171	545,346
November	-	17,454	A	1.07	18,675	526,670
December	-	19,575	P	1.07	20,946	505,725
January '14	-	19,575	P	1.07	20,946	484,779
February	-	19,575	P	1.07	20,946	463,833
March	-	19,575	P	1.07	20,946	442,888
April	-	19,575	P	1.07	20,946	421,942
May	-	19,575	P	1.07	20,946	400,997
June	-	19,575	P	1.07	20,946	380,051
July	-	19,575	P	1.07	20,946	359,105
August	-	19,575	P	1.07	20,946	338,160
September	-	19,575	P	1.07	20,946	317,214
October	-	19,575	P	1.07	20,946	296,269
November	-	19,575	P	1.07	20,946	275,323
December	-	19,575	P	1.07	20,946	254,377

¹ = Remaining airspace based on Sept. 20, 2013 aerial survey.

Full Date

January-2016

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 = 1.32 cy/ton)

Tonnage for Past 3 Months

September	19,617
October	21,656
November	17,454
Average	19,575

cc: Matt
Rob
Cheryl
Ron
Chris
Levi
Jason



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

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

December 9, 2013

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 November 1, 2013 to November 30, 2013:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$283,020.03
Host Fee Percentage	<u>4.00%</u>
	\$ 11,320.80
Minimum Fee	<u>\$ 10,652.00</u>
Security Fees (Greater of below) –	
Total Tonnage Received	17,453.70
Rate per ton	<u>\$ 1.00</u>
Total	\$ 17,453.70
Total Tip Fees Billed	\$283,020.03
Security Fee Percentage	<u>5.00%</u>
	\$ 14,151.00

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