

AGENDA
LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION
October 9, 2018
6:30 p.m.
LOUDON COUNTY COURTHOUSE ANNEX
Loudon, Tennessee

1. Opening of Meeting, Pledge of Allegiance, Invocation
2. Approval of Minutes – September 11, 2018
3. Items of Public Concern
4. Cash Activity Report
5. Operations Report
6. Environmental and Other Fees
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 Cash Report
September 2018

August 2018 Combined Ending Cash Balance per Monthly Report	3,672,481.83
Adjustments:	
	0.00
	<u>0.00</u>
Total Adjustments	<u>0.00</u>
Adjusted August 2018 Combined Ending Balance per Loudon Co Trustee	<u><u>3,672,481.83</u></u>

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance August 2018	3,488,652.79
Cash Receipts:	
Trustee's Collections - Prior Year	0
Surcharge - Host Fees (August 2018)	12,372.50
Surcharge - Security Fees (August 2018)	15,465.62
Investment Income	<u>6,388.07</u>
Total Monthly Revenue	34,226.19
Cash Disbursements:	
Board & Committee Members Fees	(300.00)
Social Security	
Medicare	
Audit Services (Mitchell Emert & Hill)	
Contracts with Private Agencies (Santek)	
Engineering Services (Santek)	
Consultants (Geosyntec)	
Legal Services (July & August 2018)	
Legal Notices	
Other Contracted Services (Mowing)	
Water/Sewer (Loudon Utilities)	
Building & Content Insurance	
In-Service/Staff Development	
Trustee's Commission	<u>(173.84)</u>
Total Cash Disbursements	(473.84)
Expenditure Credit:	
Trustee Commission Adjustment	<u>0.00</u>
<u>Operating Fund Ending Balance September 2018</u>	<u><u>3,522,405.14</u></u>

Poplar Springs Subfund

Poplar Springs Subfund Balance August 2018	183,829.04
Cash Receipts:	
	<u>0.00</u>
Total Monthly Revenue	0.00
Cash Disbursements:	
Poplar Springs Consultants (FY 2018 Enc.)	(2,635.93)
Poplar Springs Legal Services	<u>0.00</u>
Total Cash Disbursements	<u>(2,635.93)</u>
<u>Poplar Springs Subfund Balance September 2018</u>	<u><u>181,193.11</u></u>

<u>TOTAL COMBINED OPERATING AND POPLAR SPRINGS SEPTEMBER 2018 BALANCE</u>	<u><u>3,703,598.25</u></u>
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Combined Summary - September 2018

Beginning Balance	3,672,481.83
Plus Operating Revenue	34,226.19
Less Operating and Poplar Springs Disbursements	(3,109.77)
TOTAL COMBINED BALANCE - SEPTEMBER 2018	<u><u>3,703,598.25</u></u>



Location of Caller

Address 17689 HWY 321 S - SW, LENOIR CITY

Caller Name NIKKI SNAPP

Caller Phone [REDACTED]

How Received 911

Cross Street High HWY 72 N

Cross Street Low HWY 72 N

InProgress ☐

From-To Directions

Priority NON

EMS/Rescue PRIORITY EMS

Fire LOUDON CO FIRE & RESCUE

Law LOUDON COUNTY SHERIFF

Law Tract BW

Area

District

BW BELOW

Grid

Work Area

WEST

EMS Code/Level

Fire Code/Level

Law Code/Level

Call Disciplines F,L

Assigned Disciplines F,L

Assigned Disciplines NP F,L

OCA Numbers

Department	OCA Number	Unit	Note	Department	OCA Number	Unit	Note
LFD	18-0680	S81		LCFR	18-0458	525	
LCSD	2018-08-30263	976		PFD	18-0153		

Dispositions

Disposition	Assigned When	User	InActive	While Closed
COMPLETE	08/05/2018 00:32:54	jblankenship	<input type="checkbox"/>	<input type="checkbox"/>

Call Types

Call Type	Assigned When	User	Assigned While Closed	InActive
FIRE MISC	08/04/2018 21:46:55	cslonina	<input type="checkbox"/>	<input type="checkbox"/>

Unit Times

Unit	Department	Unit Type	When	Status Notes	User
1704	PFD	Fire Truck	08/04/2018 22:09:18	DISPATCHED	kcole
1704	PFD	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
1723	PFD	Fire Truck	08/04/2018 22:06:15	ENROUTE	kcole
1723	PFD	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
504	LCFR	Fire Truck	08/04/2018 22:46:50	ON SCENE	kcole
504	LCFR	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
506	LCFR	Fire Truck	08/04/2018 22:09:08	DISPATCHED	kcole
506	LCFR	Fire Truck	08/04/2018 22:16:13	IN THE AREA	cslonina
506	LCFR	Fire Truck	08/04/2018 22:26:52	ON SCENE	kcole
506	LCFR	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
525	LCFR	Fire Truck	08/04/2018 22:08:05	ENROUTE	kcole
525	LCFR	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship

E83	LFD	Fire Truck	08/04/2018 21:51:26	ENROUTE	kcole
E83	LFD	Fire Truck	08/04/2018 21:57:40	IN THE AREA	kcole
E83	LFD	Fire Truck	08/04/2018 22:27:41	CLEAR	kcole
LCFR	LCFR	FIRE STATION	08/04/2018 22:04:29	DISPATCHED	kcole
LCFR	LCFR	FIRE STATION	08/04/2018 22:08:05	CLEAR Auto Clear	kcole
LFD	LFD	FIRE STATION	08/04/2018 21:48:57	DISPATCHED	kcole
LFD	LFD	FIRE STATION	08/04/2018 21:49:03	CLEAR Auto Clear	kcole
PFD	PFD	FIRE STATION	08/04/2018 22:04:29	DISPATCHED	kcole
PFD	PFD	FIRE STATION	08/04/2018 22:06:15	CLEAR Auto Clear	kcole
R52	LCFR	Fire Truck	08/04/2018 22:09:23	DISPATCHED	kcole
R52	LCFR	Fire Truck	08/04/2018 22:17:00	STAGED HWY 72	kcole
R52	LCFR	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
S81	LFD	Fire Truck	08/04/2018 21:49:03	ENROUTE	kcole
S81	LFD	Fire Truck	08/04/2018 21:57:37	IN THE AREA	kcole
S81	LFD	Fire Truck	08/04/2018 22:27:43	CLEAR	kcole
T170	PFD	Fire Truck	08/04/2018 22:11:12	DISPATCHED	kcole
T170	PFD	Fire Truck	08/04/2018 22:23:52	STAGED	kcole
T170	PFD	Fire Truck	08/05/2018 00:32:54	CLEAR	jblankenship
T54	LCFR	First Responder	08/04/2018 22:48:05	ENROUTE	kcole
T54	LCFR	First Responder	08/04/2018 23:17:36	ON SCENE	jblankenship
T54	LCFR	First Responder	08/05/2018 00:32:54	CLEAR	jblankenship

Incident Locations

Address:	17689 HWY 72/ TENNESSEE NATIONAL, LENOIR CITY			User:	cslonina
When:	08/04/2018 21:46:55	Latitude:	Longitude:	Source:	Map InActive: <input type="checkbox"/>
Address:	HWY 72/ TENNESSEE NATIONAL, LENOIR CITY			User:	cslonina
When:	08/04/2018 21:47:23	Latitude:	Longitude:	Source:	Map InActive: <input type="checkbox"/>
Address:	HWY 72/ TENNESSEE NATIONAL, LOUDON			User:	cslonina
When:	08/04/2018 21:47:31	Latitude:	Longitude:	Source:	None_Unknown InActive: <input type="checkbox"/>
Address:	SANTEK ENVIROMENTEL - LOUDON DUMP 21712 HWY 72 N, LOUDON			User:	kcole
When:	08/04/2018 22:22:55	Latitude:	35.74096703595	Longitude:	-84.4166131226 Source: Landmark InActive: <input type="checkbox"/>

Caller Phones

Caller Phone	When	User	Caller Phone	When	User
8652023917	08/04/2018 21:46:55	cslonina			

csionina 08/04/2018 21:48:32 E,F,L,R,O,
ADV SHE CAN ALSO SEE IT FROM EAGLE POINT

csionina 08/04/2018 22:05:35 E,F,L,R,O,
E83 ADV THEY ARE OUT AT THE GUARD SHACK AND THE GLOW IS COMING FROM IN BT TN NATIONAL AND MUSHROOM PLANT

kcoble 08/04/2018 22:09:01 E,F,L,R,O,
E83 ADV THEY ARE IN THE BACK OF THE MUSHROOM PLANT AND HAVE NO CONTACT WITH SMOKE OR FIRE

kcoble 08/04/2018 22:13:03 E,F,L,R,O,
E83 ADV THAT THEY HAVE MET UP WITH A SUPERVISOR WHO IS TAKING THEM FURTHER UP BEHIND THE MUSHROOM PLANT AND UP THE HILL TWD THE FLAME//S81 IS ENRT TO THEIR LOCATION

kcoble 08/04/2018 22:13:52 E,F,L,R,O,
R52 ADV THEY ARE CROSSING THE RIVER BRIDGE AND CAN SEE A PLUME OF SMOKE AND FIRE

kcoble 08/04/2018 22:20:27 E,F,L,R,O,
508 ADV THEY ARE GOING TO MAKE FORCEABLE ENTRY AND CUT THE PAD LOCK TO GET INTO THE LANDFILL

kcoble 08/04/2018 22:21:05 E,F,L,R,O,
S81 ADV THE FIRE APPEARS TO BE IN THE LANDFILL BUT THEY CANNOT GET THE TRUCK UP TO IT FROM WHERE THEY ARE

kcoble 08/04/2018 22:22:33 E,F,L,R,O,
504 ADV THEY MADE ENTRY INTO THE LANDFILL

kcoble 08/04/2018 22:24:56 E,F,L,R,O,
LFD ADV THERE IS HEAVY MACHINERY APPROX 15 FT FROM THE FLAME

kcoble 08/04/2018 22:26:06 E,F,L,R,O,
504 ADV E51 TO CONTINUE TO HIS LOCATION//HE HAD TO STOP SHORT OF THEIR LOCATION//BUT THEY ARE GOING TO NEED THE WATER

vmurphy 08/04/2018 23:02:36 E,F,L,R,O,
506 ADV EMPLOYEE ON SCENE IS GOING TO HELP PUT THE FIRE OUT

jblankenship 08/05/2018 00:32:54 E,F,L,R,O,
FIRE MOST OF THE WAY KNOCKED OUT / LANDFILL KEEPING AN EYE ON IT

Steve Field

From: Patrick Mulligan <Patrick.Mulligan@tn.gov>
Sent: Friday, September 28, 2018 4:44 PM
To: John Gardner
Cc: Steve Field; Pat Flood
Subject: Poplar Springs Followup
Attachments: SWMSWP-SNL530000162-GW-20180927-Post Cap Restoration Inspection photolog-2202.pdf

Hi John.

I was down near Poplar Springs today, so I dropped in to see how the place fared after the deluge of the past few days. I am pleased to report that things look really good. Got some grass taking on. Check dams working nicely in roadway ditches. South slope intact and draining properly. Slopes look good - no rills, no leachate seeps.

Photos attached.

Have a good weekend. Pat



Patrick Mulligan, P.G.
Division of Solid Waste Management
Knoxville Field Office
3711 Middlebrook Pike
Knoxville, TN 37920
865-594-5582

Patrick.mulligan@tn.gov

Please tell us how we're doing in our 5-10 minute survey. Link below.

[customer satisfaction survey](#)

Inspection Photo Log – September 27, 2018
Poplar Springs Landfill - SNL53000016
Post Cap Restoration



Borrow area



Access road



Access road



Check dam after hard rains of 9/25 & 9/26/2018



Check dam after hard rains of 9/25 & 9/26/2018



Drainage way showing grass laid down from hard rains of 9/25 & 9/26/2018.



Check dam after hard rains of 9/25 & 9/26/2018



South slope after hard rains of 9/25 & 9/26/2018



Lower diversion ditch after hard rains of 9/25 & 9/26/2018



Cap repairs after hard rains of 9/25 & 9/26/2018



Cap repairs after hard rains of 9/25 & 9/26/2018



Cap repairs after hard rains of 9/25 & 9/26/2018

MEMORANDUM

Date:	September 14, 2018
To:	Susan Huskey, Loudon County
From:	John M. Gardner, P.E. Smith Gardner, Inc.
RE:	Pay Application No. 1 (Former) Poplar Springs Landfill Final Cover/Cap Restoration

The revised Pay Application No. 1 (**copy attached**) for J.D. Anderson Contracting, LLC (JDA) regarding the above referenced project has been reviewed for consistency with the contract for the following information:

- *The work has progressed to the point indicated;*
- *The quality of the work is generally in accordance with the contract documents; and*
- *The conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled*

In S+G's opinion, the request is satisfactory and reflects current construction progress in accordance with the agreement. **S+G recommends Payment to JDA of \$172,605.00** which represents completion of 100% of the project work, as originally contracted.

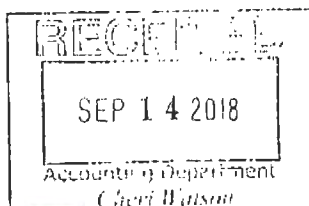
However, as we have discussed recently, four of the unit price work items exceeded the contracted amount due to actual field conditions encountered at the time of the work. Additionally, as you are aware, we recommended an additional channel be added to the south slope during the work. Finally, JDA will be receiving a revised invoice that reduces the cost of the waste disposal at Loudon County's active landfill where materials from the subject work were disposed. Consequently, these additional work items will be included in a Change Order and reflected on a final pay application to be submitted to Loudon County in the near future.

No hard copy of this pay application will be sent unless requested by Loudon County.

Please contact me should you have any questions, comments, or require clarification.

Attachment: Pay Application No. 1

cc: John D. Anderson, J.D. Anderson Contracting, LLC



APPLICATION AND CERTIFICATE FOR PAYMENT

PAGE ONE OF 2 PAGES

TO OWNER:
Loudon County, TN
100 River Road, Suite 110
Loudon, TN 37774
FROM CONTRACTOR:
J.D. Anderson Contracting, LLC
PO Box 1527
LaFollette, TN 37766

PROJECT:
(Former) Poplar Springs Landfill
Final Cover/ Cap Restoration
Loudon Co., TN
VIA ARCHITECT:
Smith Gardner
14 N. Boylan Ave.
Raleigh, NC 27603

APPLICATION # 1
PERIOD TO: 7/23 - 8-30/18
PROJECT NOS:

CONTRACT DATE: 10/02/17

Distribution to:

☐ Owner
☐ Const. Mgr
☐ Architect
☐ Contractor

CONTRACT FOR: Final Cover Cap Restoration and Related Improvements

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached

1. ORIGINAL CONTRACT SUM \$ 172,605.00
2. Net change by Change Orders \$ 14,291.73
3. CONTRACT SUM TO DATE (Line 1 +/- 2) \$ 186,896.73
4. TOTAL COMPLETED & STORED TO DATE-\$ 172,605.00
(Column G on Continuation Sheet)
5. RETAINAGE:
a. of Completed Work \$
(Columns D+E on Continuation Sheet)
b. of Stored Material \$
(Column F on Continuation Sheet)
Total Retainage (Line 5a + 5b or
Total in Column 1 of Continuation Sheet \$
6. TOTAL EARNED LESS RETAINAGE \$ 172,605.00
(Line 4 less Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT
(Line 6 from prior Certificate) \$
8. CURRENT PAYMENT DUE \$ 172,605.00
9. BALANCE TO FINISH, INCLUDING RETAINAGE
(Line 3 less Line 6) \$ 14,291.73 ✓

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month	\$14,291.73	
TOTALS	\$14,291.73	
NET CHANGES by Change Order	\$14,291.73	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due

CONTRACTOR:

By:

Date:

State of: TN

County of: Campbell

Subscribed and sworn to before:

me this 10th day of September, 2018

Notary Public:

My Commission expires:

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on on-site observations and the data comprising application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 172,605.00

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT: ENGINEER

SMITH GARDNER, INC.

By:

Date: 9/14/18

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner of Contractor under this Contract.

SEP 14 2018

Accounting Department
Cheri Rayson

pay \$172,605.00
Susan Husker 9/14/2018

CONTINUATION SHEET

Page 2 of 2 Pages

ATTACHMENT TO PAY APPLICATION

PROJECT:

(Former) Poplar Springs Landfill

Final Cover/ Cap Restoration

Loudon Co., TN

APPLICATION NUMBER: 1

APPLICATION DATE: 09/10/18

PERIOD TO: 7/23 - 8-30/18

ARCHITECT'S PROJECT NO:

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not In D or E)	G		H Balance To Finish (C - G)	I Retainage
			From Previous Application (D + E)	This Period		Total Completed And Stored To Date (D + E + F)	% (G/C)		
7	Drainage Channel LSC-1	3,000.00		3,000.00		3,000.00	100%		
8	Drainage Channel USC-1	17,400.00		17,400.00		17,400.00	100%		
9	Drainage Channel USC-1 Spot Repair	2,400.00		2,400.00		2,400.00	100%		
10	Drainage Channel E. Perimeter Channel	3,000.00		3,000.00		3,000.00	100%		
12	Rip Rap Aprons	2,000.00		2,000.00		2,000.00	100%		
14	Access Road North	6,000.00		6,000.00		6,000.00	100%		
15	Access Road North Extension Grass	2,400.00		2,400.00		2,400.00	100%		
19	Culvert C-2 24" Dia. CPP	2,000.00		2,000.00		2,000.00	100%		
21	Site Preparation	9,000.00		9,000.00		9,000.00	100%		
22	Embankment South Slope	26,984.00		19,350.75		19,350.75	72%	7,633.25	
23	Embankment Vertical Slope Drains	5,325.00		5,325.00		5,325.00	100%		
24	Silt Fence	625.00		625.00		625.00	100%		
25	TDOT Class A-3 Rip Rap	14,690.55		14,274.30		14,274.30	97%	416.25	
26	Revegetation	11,000.00		11,000.00		11,000.00	100%		
27	Waste Removal (Vertical Slope Drains)	52,316.80		42,000.00		42,000.00	80%	10,316.80	
28	Survey Control	15,000.00		15,000.00		15,000.00	100%		
29	Bonds, Mobilization & Insurance	7,700.00		7,700.00		7,700.00	100%		
C01A	Sediment Basin Standpipe Improvement	789.95		789.95		789.95	100%		
C01B	Clean/Clear Culvert C1	1,200.00		1,200.00		1,200.00	100%		
C01C	Road Repair Prior to Demobilization	8,140.00		8,140.00		8,140.00	100%		
C01D	Rock Lined Ditch	1,585.85						1,585.85	
C01E	Credit for Waste Rate Reduction	(5,660.42)						(5,660.42)	
23									
24									
25									
26									
27									
28									
	SUBTOTALS PAGE 2	186,896.73		172,605.00		172,605.00	92%	14,291.73	

SEP 14 2018

Accounting Dept.

Chen, H.

MEMORANDUM

Date:	September 14, 2018
To:	Susan Huskey, Loudon County <i>gll</i>
From:	John M. Gardner, P.E. Smith Gardner, Inc.
RE:	Pay Application No. 2 (Former) Poplar Springs Landfill Final Cover/Cap Restoration

Pay Application No. 2 (**copy attached**) for J.D. Anderson Contracting, LLC (JDA) regarding the above referenced project has been reviewed for consistency with the contract for the following information:

- *The work has progressed to the point indicated;*
- *The quality of the work is generally in accordance with the contract documents; and*
- *The conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled*

In S+G's opinion, the request is satisfactory and reflects current construction progress in accordance with the agreement and with Change Order No. 3 (**attached**). **S+G recommends Payment to JDA of \$14,291.73** which represents completion of 100% of the project work, as originally contracted and including all change orders.

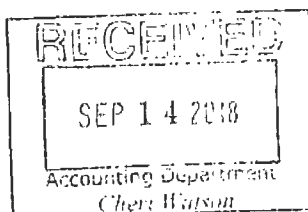
As was addressed in the transmittal letter for Pay Application No. 1, several unit cost items varied from their estimated costs, an additional channel was added during construction, and a credit is due the County for waste disposal by the Contractor. Change Order No. 3, attached, addresses the added South Slope Rip Rap Channel, a Waste Disposal Reduction Credit that is due to the County, and a request to increase the overall budget by \$14,291.73 to account all overages, credits, and changes relating to differences between estimated and actual quantities for unit cost items in the bid.

No hard copy of this pay application will be sent unless requested by Loudon County.

Please contact me should you have any questions, comments, or require clarification.

Attachment: Pay Application No. 2, Change Order No. 3

cc: John D. Anderson, J.D. Anderson Contracting, LLC



APPLICATION AND CERTIFICATE FOR PAYMENT

PAGE ONE OF 2 PAGES

TO OWNER:
Loudon County, TN
100 River Road, Suite 110
Loudon, TN 37774
FROM CONTRACTOR:
J.D. Anderson Contracting, LLC
PO Box 1527
LaFollette, TN 37766

PROJECT:
(Former) Poplar Springs Landfill
Final Cover/ Cap Restoration
Loudon Co., TN
VIA ARCHITECT:
Smith Gardner
14 N. Boylan Ave.
Raleigh, NC 27603

APPLICATION #: 2
PERIOD TO: 7/23 - 8-30/18
PROJECT NOS:

CONTRACT DATE: 10/02/17

Distribution to:

☐ Owner
☐ Const. Mgr
☐ Architect
☐ Contractor

CONTRACT FOR: Final Cover Cap Restoration and Related Improvements

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached

1. ORIGINAL CONTRACT SUM \$172,605.00 ✓
2. Net change by Change Orders \$14,291.73 49,952.15
3. CONTRACT SUM TO DATE (Line 1 +/- 2) \$186,896.73 102,567.15
4. TOTAL COMPLETED & STORED TO DATE \$186,896.73 ✓
(Column G on Continuation Sheet)
5. RETAINAGE:
a. of Completed Work \$
(Columns D+E on Continuation Sheet)
b. of Stored Material \$
(Column F on Continuation Sheet)
Total Retainage (Line 5a + 5b or
Total in Column 1 of Continuation Sheet) \$
6. TOTAL EARNED LESS RETAINAGE \$186,896.73 ✓
(Line 4 less Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT
(Line 6 from prior Certificate) \$ 172,605.00 ✓
8. CURRENT PAYMENT DUE \$14,291.73 ✓
9. BALANCE TO FINISH, INCLUDING RETAINAGE
(Line 3 less Line 6) \$0.00 5,550.42 9/14/18 ✓

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month	<u>\$19,952.15</u> <u>14,291.73</u>	<u>5,550.42</u>
TOTALS	<u>\$19,952.15</u> <u>14,291.73</u>	<u>5,550.42</u>
NET CHANGES by Change Order	<u>\$19,952.15</u> <u>14,291.73</u>	<u>5,550.42</u>

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due.

CONTRACTOR:

By: [Signature]Date: 9/14/18State of: TNCounty of: Campbell

Subscribed and sworn to before
me this 10th day of September, 2018

Notary Public: [Signature]My Commission expires: 3/28/2020

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on on-site observations and the data comprising application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$14,291.73

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT: ENGINEER

SMITH GARDNER, INC.

By: [Signature]Date: 9/14/18

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner of Contractor under this Contract.

RECEIVED

SEP 14 2018

Accounting Department

Pay \$14,291.73
Amount Due 9/14/18

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

Page 2 of 2 Pages

PROJECT:

APPLICATION NUMBER: 2

(Former) Poplar Springs Landfill

APPLICATION DATE: 09/10/18

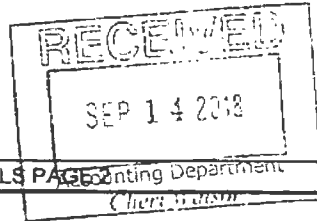
Final Cover/ Cap Restoration

PERIOD TO: 7/23 - 8-30/18

Loudon Co., TN

ARCHITECT'S PROJECT NO:

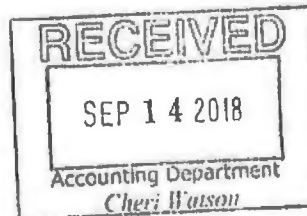
A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (Not In D or E)	G		H Balance To Finish (C - G)	I Retainage
			From Previous Application (D + E)	This Period		Total Completed And Stored To Date (D + E + F)	% (G/C)		
7	Drainage Channel LSC-1	3,000.00	3,000.00			3,000.00	100%		
8	Drainage Channel USC-1	17,400.00	17,400.00			17,400.00	100%		
9	Drainage Channel USC-1 Spot Repair	2,400.00	2,400.00			2,400.00	100%		
10	Drainage Channel E. Perimeter Channel	3,000.00	3,000.00			3,000.00	100%		
12	Rip Rap Aprons	2,000.00	2,000.00			2,000.00	100%		
14	Access Road North	6,000.00	6,000.00			6,000.00	100%		
15	Access Road North Extension Grass	2,400.00	2,400.00			2,400.00	100%		
19	Culvert C-2 24" Dia. CPP	2,000.00	2,000.00			2,000.00	100%		
21	Site Preparation	9,000.00	9,000.00			9,000.00	100%		
22	Embankment South Slope	26,984.00	19,350.75	7,633.25		26,984.00	100%		
23	Embankment Vertical Slope Drains	5,325.00	5,325.00			5,325.00	100%		
24	Silt Fence	625.00	625.00			625.00	100%		
25	TDOT Class A-3 Rip Rap	14,690.55	14,274.30	416.25		14,690.55	100%		
26	Revegetation	11,000.00	11,000.00			11,000.00	100%		
27	Waste Removal (Vertical Slope Drains)	52,316.80	42,000.00	10,316.80		52,316.80	100%		
28	Survey Control	15,000.00	15,000.00			15,000.00	100%		
29	Bonds, Mobilization & Insurance	7,700.00	7,700.00			7,700.00	100%		
C01A	Sediment Basin Standpipe Improvement	789.95	789.95			789.95	100%		
C01B	Clear/Clear Culvert C1	1,200.00	1,200.00			1,200.00	100%		
C01C	Road Repair Prior to Demobilization	8,140.00	8,140.00			8,140.00	100%		
C)1D	Rock Lined Ditch	1,585.85		1,585.85		1,585.85	100%		
C01E	Credit for Waste Reduction	(5,660.42)		(5,660.42)		(5,660.42)			
23									
24									
25									
26									
27									
28									
	SUBTOTALS PAGE 2	186,896.73	172,605.00	14,291.73		186,896.73	100%		



Revised 9/10/18

**Former Poplar Springs Landfill
FINAL QUANTITIES**

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL QUANTITY
7	Drainage Channel LSC	LS	1	\$ 3,000.00	\$ 3,000.00
8	Drainage Channel USC-1	LS	1	\$ 17,400.00	\$ 17,400.00
9	Drainage Channel USC-2 SPOT REPAIR	LS	1	\$ 2,400.00	\$ 2,400.00
10	Drainage Channel East Perimeter Channel	LS	1	\$ 3,000.00	\$ 3,000.00
12	Rip Rap Aprons	LS	1	\$ 2,000.00	\$ 2,000.00
14	Access Road North	LS	1	\$ 6,000.00	\$ 6,000.00
15	Access Road North Extension - Grass	LS	1	\$ 2,400.00	\$ 2,400.00
19	Culvert C-2 24" DIA CPP (Type S) (One Pipe)	LS	1	\$ 2,000.00	\$ 2,000.00
21	Site Preparation	AC	3.6	\$ 2,500.00	\$ 9,000.00
22	Embankment : South Slope	CY	3373	\$ 8.00	\$ 26,984.00
23	Embankment : Vertical Slope Drains	CY	355	\$ 15.00	\$ 5,325.00
24	Silt Fence	LF	250	\$ 2.50	\$ 625.00
25	TDOT Class A-3rip Rap (Vertical Slope Drain)	TON	419.73	\$ 35.00	\$ 14,690.55
26	Revegetation	AC	5	\$ 2,200.00	\$ 11,000.00
27	Waste Removal (Vertical Slope Drain)	TON	653.96	\$ 80.00	\$ 52,316.80
28	Surveying Control	LS	1	\$ 15,000.00	\$ 15,000.00
29	Bonds, Mobilization & Insurance	LS	1	\$ 7,700.00	\$ 7,700.00
CO-1A	Sediment Basin Standpipe Improvement	TON	22.57	\$ 35.00	\$ 789.95
CO-1B	Clean/Clear Culvert C-1	LS	1	\$ 1,200.00	\$ 1,200.00
CO-1C	Road Repair Prior to Demobilization	LS	1	\$ 8,140.00	\$ 8,140.00
CO-1D	Rock Lined Ditch	TON	45.31	\$ 35.00	\$ 1,585.85
CO-1E	Credit for Waste Rate Reduction	LS	1	\$ (5,660.42)	\$ (5,660.42)
				TOTAL	\$ 186,896.73



SMITH GARDNER

ADDRESS
14 N. Boylan Avenue, Raleigh NC 27603

TEL
919.828.0577

WEB
www.smithgardnerinc.com

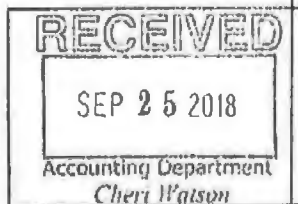
INVOICE

DATE 8/31/2018 INVOICE # 23068

BILL TO

Susan Huskey, CPPB
Director of Procurement
Loudon County Purchasing
100 River Road, Suite 110
Loudon, TN 37774

		P.O. NUMBER	TERMS	PROJECT
			Net 60	LOUDON-18-1
QUANTITY	DESCRIPTION	AMOUNT		
	Loudon County, Tennessee – Former Poplar Springs Landfill Cap Remediation & Related Site Improvements			
	Professional Services Rendered during the period through August 2018 including: Task 2 (Construction Services) S+G provided continued communication and coordination with JD Anderson related to site work progress; prepared for and attended site construction meetings and monitoring during the periods 8/13 – 8/16 and 8/27 – 8/31; and provided consultation to Loudon County regarding changed field conditions as well as communicated/coordinated and attended site inspection/visits with TDE representatives on 8/14 and again on 8/30 for a final site walk-over at the completion of the work. Refer to the attached Table which summarizes this invoice and S+G's budget, by task.			
2	G.G. Mills, P.E.	120.00	240.00	
53	J.M. Gardner, P.E.	185.00	9,805.00	
3	Engineering Technician	50.00	150.00	
	GGM Travel Expense 8/1/18	43.60	43.60	
	JMG Travel Expense 8/13 - 8/17/18	457.06	457.06	
	JMG Rental Car 08/12 - 08/17/18	361.95	361.95	
	Reimbursable Reproduction Costs	41.80	41.80	
	JMG Travel Expense 8/27, 8/30-8/31/18	184.09	184.09	
	JMG Rental Car 8/26 - 8/31/18	311.11	311.11	
	Total Reimbursable Expenses		1,399.61	
	Markup	10.00%	139.96	
	Total Reimbursable Expenses		1,539.57	
Remit to Smith Gardner Inc. Thank you.		TOTAL	\$11,734.57	



[Signature] 9/17/18

Susan Huskey 9/25/18

POST-CONSUMER RECYCLED MATERIAL

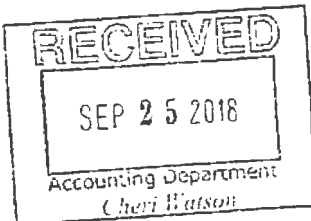
[Signature]

Loudon County, Tennessee

S+G PROJECT NO. Loudon 18-1 (AS OF 8/31/18)

Former Poplar Springs Landfill - Cap Remediation & Other Site Improvements

TASK NO.	TASK DESCRIPTION	S+G PROJECT NO	ORIGINAL BUDGET	BUDGET AMENDMENTS	TOTAL APPROVED BUDGET	PREVIOUSLY INVOICED	CURRENT INVOICE	TOTAL INVOICED TO DATE	BUDGET REMAINING
1	Construction Documents	Loudon 18-1	\$1,335	\$0	\$1,335	\$855	\$0	\$855	\$480
2	Construction Services		\$21,390	\$0	\$21,390	\$2,636	\$11,735	\$14,371	\$7,019
3	Construction Completion Report		\$4,007	\$0	\$4,007	\$0	\$0	\$0	\$4,007
4	MMIP		\$2,707	\$0	\$2,707	\$0	\$0	\$0	\$2,707
	TOTAL		\$29,439	\$0	\$29,439	\$3,491	\$11,735	\$15,226	\$14,213





CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 1

DATE (MM/DD/YYYY)
08/24/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Tennessee, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191 USA	CONTACT NAME: PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com																					
INSURED Santek Development, LLC 650 25th Street, NW Suite 100 Cleveland, TN 37311	<table border="1"><thead><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC#</th></tr></thead><tbody><tr><td>INSURER A:</td><td>Starr Surplus Lines Insurance Company</td><td>13604</td></tr><tr><td>INSURER B:</td><td>Starr Indemnity & Liability Company</td><td>38318</td></tr><tr><td>INSURER C:</td><td>Lloyd's</td><td>B7874</td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE		NAIC#	INSURER A:	Starr Surplus Lines Insurance Company	13604	INSURER B:	Starr Indemnity & Liability Company	38318	INSURER C:	Lloyd's	B7874	INSURER D:			INSURER E:			INSURER F:		
INSURER(S) AFFORDING COVERAGE		NAIC#																				
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INSURER C:	Lloyd's	B7874																				
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES

CERTIFICATE NUMBER: W7294170

REVISION NUMBER:

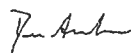
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	Y		1000067087181	08/24/2018	08/24/2019	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000
							MED EXP (Any one person) \$ 5,000
							PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 2,000,000
	<input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						PRODUCTS - COMP/OP AGG \$ 2,000,000
	OTHER:						\$
B	AUTOMOBILE LIABILITY			1000626125181	08/24/2018	08/24/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS						BODILY INJURY (Per accident) \$
	<input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident) \$
							\$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			1000337388181	08/24/2018	08/24/2019	EACH OCCURRENCE \$ 5,000,000
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$ 5,000,000
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000						\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N	N/A	1000003339	08/24/2018	08/24/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Contractor's Poll & Prof. Liab.			W11DF3180801	08/24/2018	08/24/2019	Each Claim/Agg: \$10,000,000 Professional Ded: \$100,000 Contr. Poll Ded: \$50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Loudon County Solid Waste Disposal Commission and its commissioners, officers, agents and employees are Additional Insured under General Liability for operation of Named Insured if required by written contract and subject to policy terms, forms, conditions and exclusions.

CERTIFICATE HOLDER

Loudon County Solid Waste Disposal Commission 100 River Road #109 Loudon, TN 37774	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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ACORD 25 (2016/03)

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SR ID: 16640191

BATCH: 841886

2 of 2 2476

Santek Development, LLC

Named Insureds are as follows for the 8/24/2018 to 8/24/2019 Policy Term:

Santek Development, LLC (Primary NI)
Santek Development, Inc.
Santek Holdings, Inc.
Santek Waste Services, LLC
Santek Environmental, LLC
Santek Environmental of Alabama, LLC
Santek Environmental of Amherst Virginia, LLC
Santek Environmental of Arkansas, LLC
Santek Environmental of Georgia, LLC
Santek Environmental of Kentucky, LLC
Santek Environmental of North Carolina, LLC
Santek Environmental of Ohio, LLC
Santek Environmental of Tennessee, LLC
Santek Environmental of Texas, LLC
Santek Environmental of Virginia, LLC
Waste Services of Alabama, LLC
Waste Services of Georgia, LLC
Waste Services of Kentucky, LLC
Waste Services of Tennessee, LLC
Waste Services of Texas, LLC
Chattanooga Transfer, LLC
City Disposal Services, LLC
Ricky Polk Construction, Inc.
Polk Brothers Roll-Off, Inc.
Santek Environmental of Pine Belt, LLC (Added 12/22/2017)
Waste Services of Hattiesburg, LLC (Added 12/22/2017)
JSI Houston Transfer Station, Inc. (Added 3/1/2018)



LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION



**Loudon County Annex • 101 Mulberry Street, Suite 102
Loudon, Tennessee 37774**

September 26, 2018

County Mayor Rollen “Buddy” Bradshaw
Loudon County
100 River Road, Suite 106
Loudon, TN 37774

Mayor Jim Greenway
City of Loudon
P.O. Box 189
Loudon, TN 37774

Mayor Tony R. Aikens
Lenoir City
600 East Broadway
Lenoir City, TN 37771

Re: Loudon County Solid Waste Disposal Commission

Dear Mayors:

As you know, Loudon County Solid Waste Disposal Commission (“LCSWDC”) has been negotiating with Santek Environmental, Inc. (“Santek”) to modify the terms of the Operation Agreement dated July 1, 2007 (the “Contract”) regarding the operation of the Matlock Bend Landfill (the “Landfill”). The purpose of this negotiation was to seek to obtain a more favorable financial arrangement with Santek in order to minimize LCSWDC’s long-term liability for expenses related to closure and post-closure care of the Landfill.

After nearly two (2) years of negotiation, LCSWDC has conditionally approved the basic terms of a Contract modification proposal from Santek, subject to: the consensus of our Stakeholders; approval by the Tennessee Department of Environment and Conservation (“TDEC”) of a phased closure plan and permit modification for the Landfill; and execution of a formal Contract Amendment in acceptable form. As part of this process, LCSWDC representatives intend to brief our Stakeholders regarding the Contract modification proposal at the upcoming commission and council meetings. However, before doing so, LCSWDC wanted to provide our Stakeholders with a summary of the pending Contract modification proposal.

LCSWDC has been working with a third-party engineering firm to consult regarding the terms of the proposed Contract modification. LCSWDC and its consultant now agree that the current proposal will substantially assist LCSWDC in minimizing its long-term liability for expenses related to closure and post-closure care of the Landfill. Attached hereto are the detailed terms of the proposal. However, the key terms of the proposal are summarized below for your convenience.

- 1.) Santek will raise the Host Fee from 4.0% to 5.5% (The Contract provides that the Host Fee is intended to cover ongoing operating expenses incurred by LCSWDC)
- 2.) Santek will raise the Security Fee from \$1.00 to \$1.75 (The Contract provides that the Security Fee is intended to cover LCSWDC's ongoing closure and post closure care obligations)
- 3.) Santek will adjust the Security Fee on an annual basis to accomplish the following objectives:
 - a.) LCSWDC will have sufficient funds in its Security Fee account to cover its liability for all close and post-closure costs by the end of 2027 and
 - b.) LCSWDC will have \$1.6M remaining in its Security Fee account in 2032 after payment of all of its closure and post-closure care liabilities
- 4.) Santek will pay for closure of approximately 41.6 acres of the Landfill pursuant to a phased closure plan to be approved by TDEC, leaving LCSWDC to close approximately 11.1 acres with accrued funds from the Security Fee
- 5.) Santek will close an initial 14 acres of the Landfill no later than the end of 2021 to reduce LCSWDC's anticipated liability for closure and post-closure care
- 6.) Santek will agree to a maximum Landfill height of 1,093 ft., even though the Landfill is currently permitted for 1,125 ft.
- 7.) As consideration for the foregoing, the Contract will be extended through 2032.

LCSWDC believes that this Contract modification proposal will significantly reduce the long-term liability of LCSWDC and its Stakeholders and will put LCSWDC in the best position to succeed in the future. In addition, this proposal will give LCSWDC the financial flexibility to determine the future of the Landfill expansion based upon the needs and desires of the Stakeholders as opposed to strictly concerns with financial liability. This has been a long negotiation process, but we firmly believe that we have accomplished a great deal on behalf of LCSWDC and our Stakeholders.

We look forward to meeting with our Stakeholders in the near future to discuss the Contract modification proposal in more detail. Please let me know if you have any questions regarding this process in the interim.

Sincerely,



Steve Field, Chairman of Loudon County
Solid Waste Disposal Commission



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

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

August 30, 2018

Mr. Steve Field, Chairman
Loudon County Solid Waste Disposal Commission
100 River Road
Loudon, TN 37774

Dear Steve,

I am writing in response to the Loudon County Solid Waste Disposal Commission's ("LCSWDC") April 5, 2018 ("LCSWDC") 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").

First and foremost, I want to clarify Santek will not utilize any off-site cover soil for the majority of our contract term. However, upon the execution of the new amendment, Santek is willing to increase the host fees to the Commission to 5.5 percent of adjusted gross revenues with no future increases or decreases to the fee. Language in Section 10.6 of the Landfill Operating Agreement will be deleted to reflect this change. ["...The host fee shall increase (or decrease) in dollar amount per ton as the tipping fee per ton increases (or decreases) during the term of this Agreement..."]

To simplify Santek's responses to the other negotiable issues, I have copied LCSWDC's proposal into this letter and responded in red to each proposal point.

- **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) **(SANTEK AGREES)**
- **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) **(SANTEK AGREES)**
- **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) **(SANTEK AGREES)**
- **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. **(SANTEK AGREES, ALTHOUGH SANTEK WILL NOT LEAVE LCSWDC WITH TWO YEARS OF REMAINING CONSTRUCTED AIRSPACE,**

AS STATED IN THE EXISTING MANAGEMENT AGREEMENT. LANGUAGE IN SECTION 3.5 OF THE LANDFILL OPERATING AGREEMENT WILL BE DELETED AND THE CONTRACT AMENDMENT WILL REFLECT THIS CHANGE. [“...Except as provided in Subsection (b) below, the Contractor shall be required to provide a minimum of two (2) years’ cell capacity at the end of the Agreement’s initial term based on the average tonnages received during the two (2) years immediately preceding the Agreement’s termination (but in no event less than 120,000 tons of capacity)]

- **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 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. **(SANTEK AGREES IF THOSE AREAS OF THE LANDFILL HAVE REACHED FINAL ELEVATION)**
- **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. **(SANTEK AGREES)**
- **Host Fee:** **(ADDRESSD IN THE SECOND PARAGRAPH OF THIS LETTER)**
- **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 two financial objectives set forth directly below. **(SANTEK AGREES)**
- **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.**(SANTEK AGREES BUT MUST BE ABLE TO UTILIZE ALL OF MODULE THREE WITHIN A REASONABLY DETERMINED TIME FRAME FOR LCSWDC TO RECEIVE \$1.6M.)**

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) (SANTEK AGREES)

Santek appreciates the opportunity to respond to LCSWDC's proposal and (considers this to be its best and final offer.

Sincerely,

A handwritten signature in black ink that reads "Tim Watts". The signature is written in a cursive, flowing style with a long horizontal line extending from the end of the name.

Tim Watts
Chief Operations Officer



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

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**Monthly Operations Report
Matlock Bend Landfill
October 9, 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. TDEC Letter Slope Monitoring Points
- II. AIRSPACE UTILIZATION SCHEDULE**
- III. HOST & SECURITY FEES**

LANDFILL TONNAGE VOLUME
MONTH ENDING -
SEPTEMBER 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	14,472.05	15,147.53	675.48
MAY	16,123.28	13,276.58	(2,846.70)
JUNE	15,653.83	12,717.37	(2,936.46)
JULY	14,586.45	12,353.95	(2,232.50)
AUGUST	15,865.64	13,665.82	(2,199.82)
SEPTEMBER	16,560.64	11,142.60	(5,418.04)
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	139,645.26	123,807.22	(15,838.04)

**DAILY AVG FOR ANY
 RUNNING 30 DAY
 PERIOD** **371.42**

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	507.83	524.80	16.97
MAY	549.58	515.70	(33.88)
JUNE	519.50	506.85	(12.65)
JULY	542.63	551.73	9.10
AUGUST	512.30	525.59	13.29
SEPTEMBER	482.19	456.20	(25.99)
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	4,515.11	4,467.70	(47.41)

**DAILY AVG FOR 22.5
 DAY PERIOD** **495.23**

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	345.90	368.49	22.59
MAY	385.74	410.46	24.72
JUNE	361.60	348.15	(13.45)
JULY	368.18	391.93	23.75
AUGUST	405.09	390.42	(14.67)
SEPTEMBER	351.66	338.04	(13.62)
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,194.39	3,207.38	12.99

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	368.89	427.07	58.18
MAY	446.12	442.51	(3.61)
JUNE	404.84	412.21	7.37
JULY	399.49	431.11	31.62
AUGUST	398.67	432.46	33.79
SEPTEMBER	378.74	381.35	2.61
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	3,495.01	3,605.71	110.70

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	2,350.38	2,721.66	371.28
MAY	2,737.26	2,902.00	164.74
JUNE	2,769.33	2,707.31	(62.02)
JULY	2,558.48	2,822.88	264.40
AUGUST	2,759.94	2,816.39	56.45
SEPTEMBER	2,617.34	2,389.80	(227.54)
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	23,246.04	23,764.19	518.15

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	3,800.78	4,469.98	669.20
MAY	4,370.78	4,912.76	541.98
JUNE	4,485.85	4,503.72	17.87
JULY	3,911.99	4,825.80	913.81
AUGUST	4,476.93	5,062.65	585.72
SEPTEMBER	4,048.58	4,170.33	121.75
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	36,310.41	39,440.14	3,129.73

LANDFILL TONNAGE VOLUME
MONTH ENDING -
SEPTEMBER 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	3,145.34	3,071.82	(73.52)
MAY	3,846.17	0.00	(3,846.17)
JUNE	3,682.06	0.00	(3,682.06)
JULY	3,592.35	0.00	(3,592.35)
AUGUST	3,422.54	0.00	(3,422.54)
SEPTEMBER	4,366.81	0.00	(4,366.81)
OCTOBER			0.00
NOVEMBER			0.00
DECEMBER			0.00
TOTAL	34,477.10	15,927.20	(18,549.90)

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

**CLASS I
FACILITY**

SITE		DATE	TIME	WEATHER
Matlock Bend SNL530000203 Rt 72, Loudon		20180911	11:00	Sun 90
INSPECTOR			EFO	
PjMU, RRM			EFO	
*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION		OBSERVATION
				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"/>
COMMENTS				
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"/>
COMMENTS	Leachate pumped/piped to POTW			
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"/>
COMMENTS				
COMMUNICATIONS				
8130	NO COMMUNICATION DEVICES	0400-11-01-.04(2)(f)		? <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
DUTY TO PROVIDE INFORMATION				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
8090	INADEQUATE FIRE PROTECTION	0400-11-01-.04(2)(c)2	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	Fire Extinguishers and suppression systems up to date			
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
GENERAL FACILITY STANDARDS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
LITTER CONTROL				
8110	UNSATISFACTORY LITTER CONTROL	0400-11-01-.04(2)(d)	?	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS Flagging needs additional cover on east slopes with intermediate cover. Operator is in the process of spreading mulch throughout areas of intermediate cover without vegetation to remedy vegetation, erosion and flagging issues. High precipitation events have hindered progress somewhat and created some other leachate outbreaks that the Operator remedies with excavation and gas release.				
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"/>
COMMENTS				
8150	UNAVAILABILITY OF BACKUP EQUIPMENT	0400-11-01-.04(2)(g)	?	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
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"/>
COMMENTS				
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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS Sumps operational.				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
OVERALL PERFORMANCE STANDARD				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS Some depressions on portion in post-closure. Will need soil cover sometime during the year.				
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"/>
COMMENTS				
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"/>
COMMENTS Benchmarks identified with signage.				
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"/>
COMMENTS				
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"/>
COMMENTS				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2	
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"/>
COMMENTS	Records inspected.			
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS	An "emergency working face" was developed on 9/10 when hard rain made the daily working face inaccessible and inoperable. During the inspection the "emergency working face" was being covered and the daily working face was again operational.			

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION	
			NVO	AOC V1 V2
WASTE HANDLING AND COVER STANDARDS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
8470	UNSATISFACTORY INTERMEDIATE COVER	0400-11-01-.04(6)(a)4 0400-11-01-.04(6)(a)5 ?	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	Flagging needs additional cover on east slopes with intermediate cover. Operator is in the process of spreading mulch throughout areas of intermediate cover without vegetation to remedy vegetation, erosion and flagging issues. High precipitation events have hindered progress somewhat and created some other leachate outbreaks that the Operator remedies with excavation and gas release.			
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				
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"/>
COMMENTS				

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION	
			NVO	AOC V1 V2
WASTE RESTRICTIONS				
8230	TIRES IMPROPERLY HANDLED	0400-11-01-.04(2)(k)3.(i) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COMMENTS				
8240	MEDICAL WASTE IMPROPERLY HANDLED	0400-11-01-.04(2)(k)4.(i-iv) ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
COMMENTS				

LEACHATE LEVELS

Sump #1 - 23.5'

Sump #2 - 11.9'

Slopes as designed 4:1 and 3:1

**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.*

Compliance Date

LOCK Form

SAVE FORM

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary September 2018

Material	Tonnage	2015 Sludge %		2016 Sludge %	
MSW					
MSW	10,679	January	2%	January	4%
		February	3%	February	3%
		March	3%	March	4%
		April	1%	April	3%
		May	2%	May	4%
		June	1%	June	2%
		July	5%	July	2%
		August	2%	August	3%
		September	2%	September	2%
		October	2%	October	3%
		November	3%	November	3%
		December	5%	December	3%
Special Waste					
Other	205				
Ash	0				
Sludge	258				
Total Special Waste	463				
Total MSW & SW	11,143				
Tires	36				
Total Material	11,179				
% MSW	96%				
% Special Waste	4%				
% Sludge	2%				

2017 Sludge %		2018 Sludge %	
January	5%	January	4%
February	8%	February	4%
March	8%	March	5%
April	7%	April	6%
May	4%	May	8%
June	2%	June	9%
July	3%	July	6%
August	4%	August	4%
September	7%	September	2%
October	8%	October	0%
November	6%	November	0%
December	5%	December	0%

2018 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	9,932	9,544	10,669	11,093	12,059	11,312	11,669	12,113	10,679	0	0	0	99,070
Special Waste	5,926	4,321	5,110	4,054	1,218	1,406	685	1,553	463	0	0	0	24,736
Tires	27	35	20	44	35	52	43	48	36	0	0	0	340
Total	15,885	13,900	15,799	15,191	13,312	12,770	12,397	13,714	11,179	0	0	0	124,147
%													
MSW	63%	69%	68%	73%	91%	89%	94%	88%	96%				80%
Special Waste	37%	31%	32%	27%	9%	11%	6%	11%	4%				20%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%				100%

**2018-2019 Matlock Bend
Landfill Tire Report**

Month	Tonnage
Jul-18	52.58
Aug-18	33.02
Sep-18	35.27
Oct-18	
Nov-18	
Dec-18	
Jan-19	
Feb-19	
Mar-19	
Apr-19	
May-19	
Jun-19	
Total (tons)	120.87



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

October 23, 2018

Raymond Givens, Landfill Manager
Santek
Matlock Bend Loudon County Landfill
21712 Hwy 72 N
Loudon, Tennessee 37774

RE: Minor Permit Modification Request -Approved
Leachate Flow Meter and Management Compliance
Matlock Bend Loudon County Class I Landfill, SNL 53-0203

Dear Mr. Givens:

The Division has reviewed the Leachate Flow Meter Minor Modification and Management Compliance received September 27, 2018. The Division hereby approves the minor modification. This modification covers the flow meter placed to track leachate flow from the gravity lines and how those values will be recorded and reviewed against rainfall as a way to manage leachate at the site. Retain this document and drawings for review and as reference at the site.

If you have any questions, please do not hesitate to contact me at (865) 594-5474.

Sincerely,

A handwritten signature in black ink, appearing to read "Paula Plont", is written over the word "Sincerely,".

Paula Plont
Environmental Consultant
Division of Solid Waste Management

A handwritten signature in blue ink, appearing to read "R. Awasthi", is written over the word "Sincerely,".

Revendra Awasthi
Environmental Field Office Manager
Division of Solid Waste Management

cc: DSWM NCO via electronic mail
Steve Field, Loudon County Solid Waste Commission
Ron Vail, Santek via electronic mail

Matlock Bend Landfill - Module I-B **2018 Airspace Projection / Construction Schedule**

		MONTHLY TONNAGE			UTILIZATION FACTOR		
		12,398			1.44		
DATE	REMAINING AIRSPACE ¹ (CY)	TONNAGE	ACTUAL / PROJECTED ²	UTILIZATION FACTOR (CY/TON) ³	MONTHLY VOLUME CONSUMED (CY)	ENDING MONTHLY REMAINING AIRSPACE (CY)	
May 7, 2018	315,103	-	-	-	-	-	
May 8 - 30, 2018	-	10,420	A	1.44	15,004	300,099	
June	-	12,717	A	1.44	18,312	281,786	
July	-	12,354	A	1.44	17,790	263,996	
August	-	13,666	A	1.44	19,679	244,317	
September	-	11,173	A	1.44	16,089	228,228	
October	-	12,398	P	1.44	17,853	210,376	
November	-	12,398	P	1.44	17,853	192,523	
December	-	12,398	P	1.44	17,853	174,670	
January '19	-	12,398	P	1.44	17,853	156,818	
February	-	12,398	P	1.44	17,853	138,965	
March	-	12,398	P	1.44	17,853	121,112	
April	-	12,398	P	1.44	17,853	103,260	
May	-	12,398	P	1.44	17,853	85,407	
June	-	12,398	P	1.44	17,853	67,554	
July	-	12,398	P	1.44	17,853	49,702	
August	-	12,398	P	1.44	17,853	31,849	
September	-	12,398	P	1.44	17,853	13,997	
October	-	12,398	P	1.44	17,853	0	
November	-	12,398	P	1.44	17,853	0	
December	-	12,398	P	1.44	17,853	0	

¹ = Remaining airspace based on May 7, 2018 aerial survey

Full Date

October-2019

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 = 1.22 cy/ton)

* Annual utilization rate is 1.06 but using historical annual new cell utilization factor of 1.44

Tonnage for Past 3 Months

July	12,354
August	13,666
September	11,173
Average	12,398

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

October 8, 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 September 1, 2018 to September 30, 2018:

Host Fees (Greater of below) –	
Total Tip Fees Billed	\$254,930.43
Host Fee Percentage	<u>3.96%</u>
	\$ 10,095.25
Minimum Fee	<u>\$ 10,560.00</u>
 Security Fees (Greater of below) –	
Total Tonnage Received	11,142.60
Rate per ton	<u>\$ 1.00</u>
Total	\$ 11,142.60
 Total Tip Fees Billed	\$254,930.43
Security Fee Percentage	<u>5.00%</u>
	<u>\$ 12,746.52</u>

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", is written over a horizontal line.

Mark C. Mathys
Vice President of Finance & Corporate Controller