

# **Hamblen County/Morristown Solid Waste Agenda**

**April 25, 2025**

**Hamblen County Health Department Conference Room**

**Meeting Called To Order-Tom Rush**

**Public Comment/General Public Forum:**

**Approval of Board Minutes:**

**Financial Report-Amy Hemminger**

1. Review financials

**Manager's Report-Dennis Barnes**

1. TDEC Inspection

**Engineer's Report-Steve Bostic**

1. Landfill Project's Progress

**Unfinished Business-Tom Rush**

1. ACH Policy review/approval
2. GEO Services Contract Review/Approval

**New Business-Tom Rush**

1. TCRS Actuarially Determined Contribution (ADC)

**Adjournment-Tom Rush**

# **Hamblen County/Morristown Solid Waste Board of Directors Meeting**

**Minutes: March 21, 2025**

## **Hamblen County Health Department Conference Room**

**Board Members Present:** Tom Rush-Chairman, Patrick McGuffin-Vice Chairman, Chris Cutshaw- (Ex-Officio/County Mayor), Dennis Barnes-(Ex-Officio/Director), Mike Bell, Bob Garrett, Tim Horner, Matt Lacy, Ventrus Norfolk and Will Sliger.

**Others Present:** Amy Hemminger, Steve Bostic, Ron White, Paul Brown, Tim Hendrick, and Stephanie Clonce.

### **Meeting Called To Order: Tom Rush**

Mr. Rush called the meeting to order at 9:00 a.m.

### **Public Comment/General Public Forum: None**

### **Approval of Minutes: Tom Rush**

Mr. Lacy made the motion to approve the February 21, 2025 minutes, and Mr. Bell seconded the motion with all board members in favor.

### **Financial Report: Amy Hemminger and Tom Rush**

1. Review of February Financials- Ms. Hemminger stated that, on the statement of net position, bond proceeds receivable include activity through pay app #9 (which has been paid). Information through pay app #10 (which has been submitted) will reflect in next month's statement. The expansion cost listed at the bottom fixed assets is also through pay app #9 of nearly \$11.9 million. On the statement of revenue and expenses, maintenance and repairs-equipment includes \$2,700 to Stowers for the D62, other charges/miscellaneous includes unemployment benefits paid to the state in the amount of \$1,500 for Leonard Miller, and bond interest expense is \$77,000 paid in February on the \$6.2 million bond.
2. Mr. Rush stated that the First Horizon and LGIP interest rates were at 2.15% and 4.34%, respectively.

### **Manager's Report: Dennis Barnes**

1. The TDEC inspection was conducted, but we have not received our copy of the report yet. There was an area of concern about litter everywhere, an inadequate maintenance

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## **Hamblen County Health Department Conference Room**

of run on/run-off system that I will discuss with her, and unsatisfactory cover. All of these are being addressed and corrected.

2. Mr. Barnes told the board that we were having fires at Class III landfill, and they are getting out of hand. We have had eight fires in three months, and they keep getting worse. We put dirt on them, but they are moving around to different spots. We need a camera that can detect fires before they break out, and we could keep them under control. I am asking for suggestions on what to do, because I am at a loss on this. I have done everything I know I need to do, and it does not seem to help. Mr. Lacy suggested a trail camera or solar camera. Mr. Barnes stated he thinks that batteries are causing some of it or think someone may be starting them. We need something that has thermal heat detection and notifies us that a fire is happening. Mr. McGuffin made a motion to get a camera that would detect fires and get what we need with a cap at \$2,500 to resolve this issue, and Mr. Lacy seconded the motion with all board members in favor.
3. Mr. White of GFL told Mr. Barnes he may have an axle for the compactor. Mr. Barnes is getting a quote for one. Mr. Rush stated to keep compacting it tightly. Mr. Lacy asked how the shredder was doing, and Mr. Barnes said great.
4. Mr. Cutshaw stated that twenty tons of residential tires were collected on Saturday.

### **Engineer's Report: Steve Bostic**

Mr. Bostic updated the board on the engineering projects going on at the Landfill (see attachment).

Mr. Bostic stated that Mr. Barnes should clean out the leachate pump station wet well every 3 to 4 months to minimize settleable solids being introduced into the MUS sewer system.

Mr. Barnes will be collecting stormwater samples and putting them on ice for LDA to pick up and send off. This will be more efficient and economical than LDA trying to time a rainfall event and pond discharge.

Mr. Bostic stated we are waiting for a response from TDEC on the responses to the expansion plans submittal comments from TDEC that was sent on Monday after the meeting.

Mr. Bostic stated that we received approval from the City of Morristown on the variance to do some grading at the right of ways.

# **Hamblen County/Morristown Solid Waste Board of Directors Meeting**

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Mr. Bostic reported that the protective soil layer contract amount is \$198,000 and the estimated cost for a synthetic rain flap (cover) is \$350,000 and will add 19,000 tons of available air space.

Mr. Bostic stated we are \$3 million over the current bid at this point which does not include contingency.

Mr. Bell asked Mr. Bostic if the boring had been done. Mr. Bostic stated that they had discussed the bores with the geotechnical engineer (GEOS) and a plan was included in the response to TDEC. GEOS recommended not doing the additional borings until TDEC agreed with the plan.

### **Unfinished Business: Tom Rush, Steve Bostic and Will Sliger**

1. Mr. Rush stated that we are checking with different entities regarding the ACH policy, and we are still working on it and will bring it back next month.
2. Mr. Rush requested an update on the GEO Services pass-through that we pay LDA Engineering.
3. Mr. Bostic updated the rain flap in the engineering report.
4. Mr. Rush stated that after reviewing the quote that GEO Services prepared, we would also need to include Class III and have them to rebid the whole thing. We have the benefit of saving money and free up LDA Engineering's time to put toward getting our permit. We would like to start the bid July 1, 2025 and add to next fiscal year's budget. So, we will bring this back next month with the revised quote from GEO Services.

### **New Business: Tim Hendrick and Tom Rush**

1. Mr. Hendrick went over our 2024 Annual Progress Report for Hamblen County and stated that we have a 57.8% diversion rate, which is a slight increase from last year, which is great. Mr. Hendrick stated that he would need the board's approval to send some signed documents to the State of Tennessee. Mr. Lacy made a motion to approve the 2024 Annual Progress Report to be sent to the State of Tennessee and Mr. Horner seconded the motion with all board members in favor.
2. Mr. Rush stated that we have the Rodefer Moss Audit contract to review and approve for 2025, 2026 and 2027. Mr. Lacy made a motion to approve the Audit contract for \$18,500 per year, for the next three years. Mr. McGuffin seconded the motion with all board members in favor.

# **Hamblen County/Morristown Solid Waste Board of Directors Meeting**

**Minutes: March 21, 2025**

## **Hamblen County Health Department Conference Room**

3. Mr. Rush stated that we need to schedule a draft budget session at the landfill office with Amy, Steve, Dennis, Stephanie, and himself. The meeting is scheduled for May 7, 2025 at 9:00 a.m.
4. Mr. Rush stated that we would need to schedule a draft budget work session with the board members. The board decided on June 6, 2025 at the Health Department at 9:00 a.m. This will be posted in the public notices in the Citizen Tribune.

### **Adjournment: Tom Rush**

Mr. Lacy made a motion to adjourn the meeting, and Mr. Sliger seconded the motion.

Mr. Rush adjourned the meeting at 10:10 a.m.

**Tom Rush-Chairman**

**Chris Cutshaw-Mayor**

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# Morristown-Hamblen County Solid Waste Board

03/19/2025 8:55 AM

Register: 11130 - Operating Account

From 03/21/2025 through 03/21/2025

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment C	Deposit	Balance
03/21/2025	9803	CAPPS & BYRD, L...	21100 - Accounts Paya...		481.25		278,251.17
03/21/2025	9804	CARLSON EQUIP...	21100 - Accounts Paya...		596.66		277,654.51
03/21/2025	9805	CITY OF MORRIST...	21100 - Accounts Paya...		1,064.22		276,590.29
03/21/2025	9806	DAVID BERRY TR...	21100 - Accounts Paya...		4,180.00		272,410.29
03/21/2025	9807	EAST TENNESSEE ...	21100 - Accounts Paya...	PAY APP#10	214,543.11		57,867.18
03/21/2025	9808	HAMBLEN COUNT...	21100 - Accounts Paya...		10,942.55		46,924.63
03/21/2025	9809	LDA ENGINEERIN...	21100 - Accounts Paya...		41,373.75		5,550.88
03/21/2025	9810	LIBERTY TIRE RE...	21100 - Accounts Paya...		560.70		4,990.18
03/21/2025	9811	MORRISTOWN UT...	21100 - Accounts Paya...	004561-022128	6,417.35		-1,427.17
03/21/2025	9812	NAPA AUTO PARTS	21100 - Accounts Paya...		561.95		-1,989.12
03/21/2025	9813	PDS CONSULTING	21100 - Accounts Paya...		1,197.75		-3,186.87
03/21/2025	9814	PITNEY BOWES G...	21100 - Accounts Paya...		164.91		-3,351.78
03/21/2025	9815	PURKEY,CARTER,...	21100 - Accounts Paya...		2,375.00		-5,726.78
03/21/2025	9816	ROGERS PETROLE...	21100 - Accounts Paya...		7,231.24		-12,958.02
03/21/2025	9817	STOWERS MACHI...	21100 - Accounts Paya...		1,733.11		-14,691.13
03/21/2025	9818	TMS INTERNATIO...	21100 - Accounts Paya...		2,603.49		-17,294.62

481.25 +  
 596.66 +  
 1,064.22 +  
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 214,543.11 +  
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 7,231.24 +  
 1,733.11 +  
 2,603.49 +  
 296,027.44 ✖

04/07/2025 11:17 AM

Sorted by: Date, Type, Number/Ref

950-50	
481-25	
1,215-90	
1,427-18	x
200-00	3
268-90	1
576-96	2
880-00	2
297-84	x
176-56	2
819-70	x
18-96	4
200-00	1
200-00	x
200-00	x
5-622-92	x
1,455-31	1
85-59	x
701-25	x
200-00	4
3-501-06	1
10,820-46	1
508-00	x
200-00	x
23-641-50	x
200-00	2
2-400-00	x
200-00	1
23-444-44	*

# Morristown-Hamblen County Solid Waste Board

04/16/2025 8:56 AM

Register: 11130 - Operating Account

From 04/16/2025 through 04/16/2025

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment C	Deposit	Balance
04/16/2025	9847	AFFILIATED ELEC...	21100 - Accounts Paya...		874.50		390,133.27
04/16/2025	9848	CANON SOLUTIO...	21100 - Accounts Paya...		72.25		390,061.02
04/16/2025	9849	CAPPS & BYRD, L...	21100 - Accounts Paya...	PO#254477	437.50		389,623.52
04/16/2025	9850	CITY OF MORRIST...	21100 - Accounts Paya...		1,064.22		388,559.30
04/16/2025	9851	DAVID BERRY TR...	21100 - Accounts Paya...		1,650.00		386,909.30
04/16/2025	9852	HAMBLEN COUNT...	21100 - Accounts Paya...		14,127.53		372,781.77
04/16/2025	9853	INDEPENDENT SU...	21100 - Accounts Paya...		729.60		372,052.17
04/16/2025	9854	LDA ENGINEERIN...	21100 - Accounts Paya...		36,883.00		335,169.17
04/16/2025	9855	LIBERTY TIRE RE...	21100 - Accounts Paya...		256.20		334,912.97
04/16/2025	9856	MORRISTOWN UT...	21100 - Accounts Paya...	004561-022128	3,338.37		331,574.60
04/16/2025	9857	NAPA AUTO PARTS	21100 - Accounts Paya...		1,362.46		330,212.14
04/16/2025	9858	PDS CONSULTING	21100 - Accounts Paya...		1,230.45		328,981.69
04/16/2025	9859	PITNEY BOWES B...	21100 - Accounts Paya...		159.99		328,821.70
04/16/2025	9860	PURKEY,CARTER,...	21100 - Accounts Paya...		2,140.00		326,681.70
04/16/2025	9861	ROGERS PETROLE...	21100 - Accounts Paya...		2,642.26		324,039.44
04/16/2025	9862	STOWERS MACHL...	21100 - Accounts Paya...		2,014.77		322,024.67
04/16/2025	9863	TMS INTERNATIO...	21100 - Accounts Paya...		1,214.04		320,810.63
04/16/2025	9864	VERIZON WIRELE...	21100 - Accounts Paya...		185.89		320,624.74
04/16/2025	9865	WESTROCK KNOX...	21100 - Accounts Paya...		2,400.00		318,224.74

874.50 ✖  
72.25 ✖  
437.50 ✖  
1,064.22 ✖  
1,650.00 ✖  
14,127.53 ✖  
729.60 ✖  
36,883.00 ✖  
256.20 ✖  
3,338.37 ✖  
1,362.46 ✖  
1,230.45 ✖  
159.99 ✖  
2,140.00 ✖  
2,642.26 ✖  
2,014.77 ✖  
1,214.04 ✖  
185.89 ✖  
2,400.00 ✖  
72,783.53 ✖

# BankCard Center

## Card Statement



Account Number XXXX XXXX XXXX 0792

Statement for Period: February 25, 2025 to March 24, 2025

### CARDHOLDER SUMMARY

DENNIS R BARNES XXXX XXXX XXXX 0792	Previous Balance	Purchases And + Other Debits	Cash + Advances	Finance Charges	Credits	- Payments	=	New Balance
CardHolder Totals	\$989.03	\$1,427.18	\$0.00	\$0.00	\$0.00	\$989.03		\$1,427.18

### FINANCE CHARGE SUMMARY

	Average Daily Balance	Monthly Periodic Rate	Corresponding Annual Percentage Rate	Periodic Finance Charge
PURCHASES	\$0.00	1.116%(V)	13.40% (V)	\$0.00

(V) = Variable Rate

#### GRACE PERIOD

To Avoid a Finance Charge On Purchases, Pay Entire New Balance by Payment Due Date Each Billing Period. Finance Charge Accrues on Cash Advances Until Paid And Will Be Billed On Your Next Statement.

CUSTOMER SERVICE CALL 1-800-382-5465 LOST/STOLEN CARDS CALL 1-800-382-5465  SEND BILLING INQUIRIES TO BANKCARD CENTER P.O. BOX 1545 MEMPHIS, TN 38101-1545	ACCOUNT NUMBER XXXX XXXX XXXX 0792		ACCOUNT SUMMARY	
	STATEMENT DATE	03/24/25	PREVIOUS BALANCE	\$989.03
	CREDIT LIMIT	\$5,000.00	PURCHASES & OTHER CHARGES	\$1,427.18
	AVAILABLE CREDIT*	\$3,355.00	CASH ADVANCES	\$0.00
	PAST DUE	\$0.00	CASH ADVANCE FEES	\$0.00
	OVERLIMIT	\$0.00	LATE PAYMENT CHARGE	\$0.00
	DISPUTED AMOUNT	\$0.00	FINANCE CHARGE	\$0.00
	AMOUNT DUE	\$71.00	CREDITS	\$0.00
	PAYMENT DUE DATE	04/18/25	PAYMENTS	\$989.03
			<b>NEW BALANCE</b>	<b>\$1,427.18</b>

\* Amount reflected in whole dollars only

1122 0001 GSH

001 7 24

250324 0

PAGE 1 of 2

1 0 4015 9000 CM02

4145

↑ PLEASE DETACH HERE AND RETURN WITH PAYMENT

BANKCARD CENTER  
P.O. BOX 1545  
MEMPHIS TN 38101-1545

HAMBLIN CO/

ACCOUNT NUMBER XXXX XXXX XXXX 0792  
PAYMENT DUE DATE 04-18-25  
AMOUNT DUE \$71.00  
NEW BALANCE \$1,427.18

|||||  
BANKCARD CENTER  
P.O. BOX 385  
MEMPHIS TN 38101-0385

AMOUNT ENCLOSED

\$

|||||  
DENNIS R BARNES  
MORRISTOWN SOLID WASTE  
3849 SUBLETT RD  
MORRISTOWN TN 37813-3734

4145  
N211

4798494100200792

0007100

0142718

DENNIS R BARNES		XXXX XXXX XXXX 0792			
Statement Date	03/24/25	Credit Limit	\$5,000.00	Cash Advance Balance	\$0.00
Payment Due Date	04/18/25	Available Credit	\$3,355.00	Amount Due	\$71.00
New Balance	\$1,427.18				

**STATEMENT MESSAGES****Important Notice**

Payments will be posted and credited to your account on the day they are received, subject to applicable payment processes and cutoff times. However, in order to protect against fraud and to allow for necessary payment verification and settlement, it may take up to 5 business days from receipt of payment for adjustments to be made to your available credit line.

To pay by phone, call 1-800-382-5465. When providing payment instructions via the automated interactive phone system, you authorize us to debit your account for the amount indicated on or after the date indicated. This authorization is for a single transaction (including re-presentment of that transaction) and does not provide for any additional debits.

Post Date	Tran Date	Transaction Description	Amount
02-26	02-25	RTK MOBILE RTKMOBILE.COM UT	\$25.00
02-27	02-26	HARBOR FREIGHT TOOLS 611 MORRISTOWN TN	\$899.99
03-04	03-03	NOR*NORTHERN TOOL 800-222-5381 MN	\$39.99
03-13	03-12	SQ *ANNA MARIE'S FLORIST 877-417-4551 TN	\$83.22
03-14	03-13	HARBOR FREIGHT TOOLS 611 MORRISTOWN TN	\$199.98
03-18	03-17	B2B Prime*HB29W9BI3 Amzn.com/bill WA	\$179.00
03-19	03-19	PAYMENT - THANK YOU MEMPHIS TN	-\$989.03 PY



STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND  
CONSERVATION  
DIVISION OF SOLID WASTE MANAGEMENT  
DAVY CROCKETT TOWER, 7TH FLOOR  
500 JAMES ROBERTSON PARKWAY  
NASHVILLE, TN 37243

**RECEIVED**  
**MAR 24 2025**  
BY: \_\_\_\_\_

Initial Inspection

CHECK IF UNDER  
ENFORCEMENT  
ACTION ☐

DATE  
3/13/2025

TIME  
13:10

WEATHER  
72 F cloudy

**CLASS I FACILITY INSPECTION CHECKLIST**

Morristown Balefill Landfill SNL320000152 3849 Sublett Road Hamblen

EFO  
KNOX

\*SEE DISCLAIMER ON LAST PAGE

VIOLATION	REGULATION	OBSERVATION			
		NVO	AOC	V1	V2
<b>RECORDS AND REPORTS</b>					
CERTIFIED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5.	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
TRAINED PERSONNEL NOT PRESENT DURING OPERATING HOURS	0400-11-01-.04(2)(b)5. 0400-11-01-.04(2)(b)4.	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
PERMITS, PLANS, OPERATING MANUAL NOT AVAILABLE	0400-11-01-.02(5)(a)(7).	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
INADEQUATE RANDOM INSPECTION PROGRAM	0400-11-01-.04(2)(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
NO OPERATING SCALES AND/OR FAILURE TO MAINTAIN WASTE RECORDS	T.C.A. 68-211-862(a)(b)(1)(2)	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
OPERATION DOES NOT CORRESPOND WITH ENGINEERING PLANS	T.C.A. 68-211-104(3) T.C.A. 68-211-105(b)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					
OPERATION DOES NOT CORRESPOND WITH PERMIT CONDITIONS	T.C.A. 68-211-104(3) 0400-11-01-.02(5)(a)1.	<input checked="" type="checkbox"/>	NA	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS					

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
<b>GENERAL FACILITY STANDARDS</b>			
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			
INADEQUATE INFORMATION SIGNS		0400-11-01-.04(2)(b)2	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
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			
INADEQUATE EMPLOYEE FACILITIES		0400-11-01-.04(2)(e)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
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			
NO COMMUNICATION DEVICES		0400-11-01-.04(2)(f)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
INADEQUATE FIRE PROTECTION		0400-11-01-.04(2)(c)2.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
NO PERMANENT BENCHMARK		0400-11-01-.04(2)(o)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
BUFFER ZONE STANDARD VIOLATED		0400-11-01-.04(3)(a)	<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
<b>OVERALL PERFORMANCE STANDARDS</b>			
UNSATISFACTORY LITTER CONTROL		0400-11-01-.04(2)(d)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	filling is at top of mound and recent winds have resulted in bags/litter that needs attention. Site identified plans/issue. Once improved please send photos.		
INADEQUATE DUST CONTROL		0400-11-01-.04(2)(j)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
INADEQUATE VECTOR CONTROL		0400-11-01-.04(2)(a)1.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
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			
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			
<b>LEACHATE MANAGEMENT</b>			
LEACHATE OBSERVED AT THE SITE		0400-11-01-.04(2)(a)(3).	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> NA NA <input type="checkbox"/>
*LEACHATE ON EXTERNAL SLOPE *LEACHATE ENTERING RUN-OFF *LEACHATE ENTERING A WATER COURSE			
COMMENTS	Couple wet areas self reported by site- some worked already couple others next- along the higher lift or higher bench active area - no flow trailing but addressing is desired. One wet is from old closed- looks mostly clear and that fix thought to be adding fill & smoothing surface in localized spots. One area behind air curtain has historically doesn't drain well (overlay odd shape liner phase II abuts Phase I is being pumped and controlled- site has been improved pumps/pumping configuration within pipe to get drier surface on slope. Nothing running to ponds all considered AOC items.		
INADEQUATE MAINTENANCE OF LEACHATE MANAGEMENT SYSTEM (Inspector check and record (i) Sump Levels (ii) Interception surfaces and piping (iii) Tanks. "Sumps: <12" NVO, 12"<36" V1, >36" V2")		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	Flow has not been different and staying about normal. Gravity flow system hinges on volumes no sump to have specific reading		
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			

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
<b>LEACHATE MANAGEMENT</b>			
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			
<b>EROSION CONTROL</b>			
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			
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 type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	Faircloth Pond 1 skimmer behind office was under repair today. The pond was almost dry but was being drained more to get at the skimmer. The discharge had some color and that could be trailed to leaves piles used in erosion control/grass. Future dewatering if not completely clear-pump to leachate manhole. Skimmer repair expected in short time~ 1 day. AOC considered appropriate.		
EXPOSED SOLID WASTE		0400-11-01-.04(2)(a)(3).	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
<b>GAS AND GROUNDWATER MIGRATION</b>			
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			
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			
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			
<b>COVER REQUIREMENTS</b>			
UNAVAILABILITY OF COVER MATERIAL		0400-11-01-.04(2)(h)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
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			

*SEE DISCLAIMER ON LAST PAGE				
VIOLATION		REGULATION	OBSERVATION	
			NVO	AOC V1 V2
<b>COVER REQUIREMENTS</b>				
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"/>
COMMENTS				
UNSATISFACTORY FINAL COVER		0400-11-01-.04(6)(a)6. 0400-11-01-.04(8)(c)3(i)	<input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS	some weeping from old closed fill area located to the North end of Phase II. When dry enough weather window allows- strip grass root/smooth & add clay & top with decent soils and grass. Do in localized areas where there are a couple rills or low spots up from the wet area. Old waste will result in uneven subsidence and some attention is due periodically.			
UNSATISFACTORY STABILIZATION OF COVER		0400-11-01-.04(6)(a)5	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
<b>OPERATIONS AND WASTE HANDLING</b>				
INADEQUATE OPERATING EQUIPMENT		0400-11-01-.04(2)(g)	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
UNAVAILABILITY OF BACKUP EQUIPMENT		0400-11-01-.04(2)(g)	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS				
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				
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				
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				

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
<b>OPERATIONS AND WASTE HANDLING</b>			
MISHANDLING OF SPECIAL WASTE		0400-11-01-.01(4)(d)1.	<input checked="" type="checkbox"/> NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
EVIDENCE OF OPEN BURNING		0400-11-01-.04(2)(c)1.	<input checked="" type="checkbox"/> NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
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			
<b>WASTE RESTRICTIONS</b>			
UNAUTHORIZED WASTE ACCEPTED		0400-11-01-.04(2)(k)1.	<input checked="" type="checkbox"/> NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
UNAPPROVED SPECIAL WASTE ACCEPTED		0400-11-01-.01(4)(b) 0400-11-01-.01(4)(c)5	<input checked="" type="checkbox"/> NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
DEAD ANIMALS IMPROPERLY HANDLED		0400-11-01-.04(2)(k)5.(ii) (I-III)	<input checked="" type="checkbox"/> NA <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
TIRES IMPROPERLY HANDLED		0400-11-01-.04(2)(k)3.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			
MEDICAL WASTE IMPROPERLY HANDLED		0400-11-01-.04(2)(k)4.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
COMMENTS			

LEACHATE LEVELS

*\*Disclaimer:*

*The information contained in the checklists is not intended to be all inclusive and is subject to change, and are intended solely for use by Division of Solid Waste Management. These checklists are not a substitute for evaluation of compliance in accordance with applicable laws and regulations, and are not intended for, nor can they be relied upon, to create any rights, substantive or procedural, enforceable or usable by any party in litigation with the State of Tennessee or its employees.*

**SAVE FORM**

Follow-Up Inspection Date

Inspector Name

**Paula Plont**

Digitally signed by Paula Plont  
Date: 2025.03.14 09:31:00 -04'00'

**ADDITIONAL COMMENTS**



View from gate looking west southwest - excavation area in front of active Phase II.



March 21, 2025

Mr. Dennis Barnes, MHSWB Director  
Morristown/Hamblen County Solid Waste Board (MHSWB)  
3849 Sublette Road  
Morristown, TN 37813

ATTENTION: Mr. Dennis Barnes  
[dbarnes@hcmsw.org](mailto:dbarnes@hcmsw.org)

Subject: **PROPOSAL FOR ENVIRONMENTAL SERVICES**  
**Morristown/Hamblen County Landfill, SNL3200000152**  
**3849 Sublett Road**  
**Morristown. Hamblen County, Tennessee**  
**UES Proposal No. A24109.02580**

Dear Mr. Barnes:

UES is pleased to provide you with environmental services for the Morristown/Hamblen County Class I Landfill, SNL3200000152. This proposal provides our understanding of the scope of services required, an estimate of fees, proposed schedule, and establishes contractual agreements. Our Agreement for Services is attached to this document and is incorporated as a part of this proposal.

#### **PROJECT INFORMATION**

MHSWB manages the Morristown/Hamblen County Class I Landfill (SNL3200000152) and a Class III Landfill (DML 320000100) recently acquired from Lakeway Sanitation that is monitored and reported separately. Groundwater monitoring is currently completed semiannually for the Morristown/Hamblen County Class I Landfill in accordance with Tennessee Department of Environment and Conservation (TDEC) Division of Solid Waste Management regulations and the facility Corrective Action Plan (CAMP), dated July 14, 2022 (revised November 8, 2022). Gas monitoring is required quarterly, in accordance with the facility Gas Migration Investigation Report and Action Plan, dated March 18, 2021. Stormwater sampling and reporting is required annually in accordance with the Facility Stormwater Discharge Monitoring Permit and Sector L stormwater monitoring and reporting requirements. Leachate sampling and reporting is required annually under TDEC Division of Solid Waste Management regulation requirements. Leachate sampling is required by Morristown Utility Systems (MUS) but UES understands it is not a testing requirement of the

landfill and is completed by MUS. EPA Greenhouse Gas Reporting is required annually. The facility was determined to be non-Title 5 in 2022 and currently operates under a non-title 5 emission source permit due to the presence of an incinerator that has been non-operational since July 2022. The permit is renewed annually via a \$701.25 fee paid by MHSWB. No Title 5 Air Permit activities are currently required.

## **ENVIRONMENTAL SERVICES**

UES is providing this proposal to conduct environmental services for the Morristown/Hamblen County Class I Landfill in accordance with Solid Waste Management Regulations (TNSWMR) and facility permit requirements. UES understands MHSWB also manages a Class III Landfill (DML 320000100) recently acquired from Lakeway Sanitation that is monitored and reported separately. This proposal does not include environmental services for the Class III Landfill. It is understood that ongoing regulatory decisions may impact proposal assumptions. Modifications, repairs, and/or rehabilitation of the existing monitoring system may ultimately be necessary. The scope of services for the current status of each item is detailed below.

### **Semiannual Landfill Groundwater Sampling, Analysis and Reporting**

UES understands MHSWB manages one Class I Landfill (SNL3200000152) subject to TDEC Division of Solid Waste Regulations (0400-11-01-.04). MHSWB is required to sample and analyze the required groundwater monitoring locations semiannually for monitoring constituents as required by the Facility CAMP.

UES understands the Landfill was placed in a Monitored Natural Attenuation (MNA) Corrective Action (CA) in 2022. The approved MNA CA plan involves identifying and sampling offsite residential wells surrounding the landfill's boundaries, landfill boundary wells, and surrounding springs. The scope outlined in this proposal includes the annual update of the mile-radius well survey, annually required leachate sampling, and groundwater sampling and reporting of the various offsite wells and springs as specified in the MNA CA plan, including reporting individual results to respective offsite locations.

UES will conduct groundwater monitoring activities on a semi-annual basis, in accordance with Rule 0400-11-01-.04 of the Tennessee Solid Waste Processing and Disposal Regulations and the MNA CA monitoring



program. The following tasks are proposed for the completion of the groundwater semi-annual sampling, analysis, and reporting:

- Semiannually collect groundwater samples from 6 monitoring wells (GW-1, GW-3, GW-4, GW-5, GW-11, and MW-1) and analyze them for Appendix I constituents.
- Semiannually collect groundwater samples from 6 additional monitoring wells (GW-1, GW-3, GW-4, GW-5, GW-11, and MW-1) and analyze them for Appendix II constituents annually and Appendix I semiannually .
- Semiannually collect groundwater samples from seven additional monitoring wells (MW-4 through LW-9 and the Honaker Monitoring Well) and analyze them for Appendix I VOC constituents, arsenic, and cobalt semiannually .
- Groundwater elevation, conductivity, pH, temperature, and turbidity will be recorded in field logs and potentiometric mapping/flow calculations will be included in the semi-annual reports.
- Wells will be purged, and volumes recorded in accordance with TDEC regulations.
- Groundwater samples will be collected and handled with appropriate quality control and quality assurance methods and delivered to a Tennessee certified laboratory (PACE).
- Sample collection, field documentation, sample custody, and laboratory analysis will be in general accordance with accepted TDEC/EPA methods.
- Results for each event will be statistically compared with historical results per TDEC regulations and permit requirements.
- A summary report documenting the tasks outlined above, including a digital copy of the analytical data, will be prepared for each semi-annual event and submitted to the client and TDEC.

The above scope of work will be completed on a semiannual basis and will include groundwater sampling, reporting for the groundwater monitoring report.

The results of the update of the mile-radius well survey and leachate sampling for Appendix I constituents required annually under TDEC Division of Solid Waste Regulations will be included in the second semiannual groundwater monitoring event report.



**Additional Out of Scope Items**

As noted, ongoing regulatory negotiations over data evaluation may impact proposal assumptions for the landfills and an increase in sampling frequency and/or required constituents may be necessary. The following services are excluded from the base environmental services covered by this proposal:

- Verification sampling and analysis for statistically significant exceedances as outlined in each facility's permit (except when conceded).
- Alternate Source Demonstrations (ASD) required when it is suspected that constituents are detected above groundwater protection standards due to sources other than the landfill.
- Regulatory negotiations over current exceedances. After review of the most recent first semiannual 2024 CAMR, TDEC Solid Waste Division requested an evaluation of the approved MNA CA and suggested alternative sampling methods may result in less exceedances. Similar responses may be necessary after regulatory review of subsequent CAMRs.

UES provides cost estimates for these out-of-scope tasks understanding that any additional tasks outside of the base environmental services will be completed and charged only after prior approval. We cannot warrant or guarantee landfill monitoring program requirements by the TDEC Solid Waste Division and provide the out of scope additional services tasks in light of the uncertainty. The base proposal does not address future potential landfill site characterization requirements of the TDEC Solid Waste Division beyond CAMP monitoring, as these costs can be difficult to predict.



### **Quarterly Gas Monitoring and Reporting**

UES understands gas monitoring is required quarterly at the Morristown/Hamblen County Class I Landfill as noted subject to TDEC Division of Solid Waste Regulations (0400-11-01-.04).

The following tasks are proposed for the completion of the quarterly gas monitoring:

- UES personnel will complete gas monitoring at required monitoring locations quarterly.
- Gas monitoring and field documentation will be in general accordance with accepted TDEC methods.
- The gas monitoring results for each event will be prepared and submitted to the client and TDEC with a summary cover page, monitoring results table, and site figure summarizing results with comparisons to methane standards.

### **Annual Stormwater Sampling, Analysis, and Reporting**

UES understands stormwater sampling and analysis is required annually at the Morristown/Hamblen County Class I Landfill under the Facility Stormwater Discharge Permit. UES understands from review of the Discharge Monitoring Report (DMR) submitted in 2019 that sampling is required at the south pond discharge and west pond discharge for benzoic acid, zinc, ammonia, Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), pH, and Biological Oxygen Demand (BOD) and results reported annually to TN Div of Water Resources Enforcement and Compliance Section in a Discharge Monitoring Report (DMR).

### **Volume Survey**

Volume Surveys at active Class I landfills are required annually. Facility operators must file an annual AER by May 1 of every year, which includes a current topographic survey and volume survey of the active portion of the disposal facility. A current topographic survey of the active portion of the disposal facility must be performed by a qualified land surveyor and superimposed on the approved contours. Calculations on the current constructed capacity of the disposal facility in cubic yards, the total remaining volume within the currently constructed cells to be filled in cubic yards, and the total remaining permitted cubic yards must be reported annually in the AER.



### **EPA Greenhouse Gas Reporting (GGRT)**

Greenhouse Gas Reporting is required annually. The Greenhouse Gas Reporting Tool (e-GGRT) is the electronic reporting system for the Greenhouse Gas Reporting Program (GHGRP). The GGRT utilizes user input landfill capacity, surface area, and annual waste disposal quantities to calculate CO<sub>2</sub> equivalent emissions and Biogenic CO<sub>2</sub> emissions for the landfill facility.

### **Title 5 Air Permit**

Title 5 Air Permits are required for landfills that have exceeded 2.5 million megatons of waste disposal. A Title 5 Air Permit application was submitted in 2022 for the Morristown/Hamblen County Class I Landfill based on calculations indicating waste disposal exceeded 2.5 million megatons in 2020. TDEC completed independent calculations in 2022 indicating only approximately 1.5 million megatons of waste disposal at the facility and notified MHSWB the Title 5 Permit was not required. As previously noted herein, the facility currently operates under a non-title 5 emission source permit due to the presence of an incinerator that has been non-operational since July 2022. The permit is renewed annually via a \$701.25 fee paid by MHSWB. UES understands that no Title 5 Air Permit activities are currently required for the landfill facility.

### **LIMITATIONS**

This proposal is based on the following assumptions:

- MHSWB provides site access during normal working hours.
- This proposal is to conduct analysis as required by TDEC and does not address any other federal or state laws that may apply.
- The groundwater monitoring is based on the current list of analytes and locations requested by TDEC. If additional analysis is required, the additional cost will be provided to MHSWB for approval prior to sampling and analysis.
- The scope of work proposed and additional out of scope items are based on the current groundwater monitoring plans. Based on the extent of TDEC's request, some items such as installation or abandoning of monitoring wells, revised sampling requirements or additional sampling requirements are not covered in the anticipated scope of work. These items are outside of the normal groundwater scope and if required a separate cost will be provided to the Client.
- Sampling and reporting for the Class III Landfill is not included as part of the Scope of Work.



## **FEES & SCHEDULE**

UES proposes to conduct the above-mentioned base services for the following lump sum fees:

- Semiannual Landfill Groundwater Monitoring, Analysis, and Reporting - **\$89,000/annually.**
- Annual TDEC required Leachate Sampling and reporting - **\$1,500**
- Annual Drinking Water Well Survey - **\$3,500**
- Quarterly Gas Monitoring and Reporting - **\$12,420/annually**
- Annual Stormwater Sampling, Analysis, and Reporting - **\$5,400**
- Annual Volume Survey (contracted) – **TBD**
- Annual EPA Greenhouse Gas Reporting - **\$2,900**
- Additional Out of Scope Items – **T&M not to exceed \$19,000\***

\*Conducted on a time and material basis per the attached Schedule of Fees.



## CONTRACTUAL AGREEMENTS

Our Agreement for Services is attached and is incorporated as a part of this proposal. Please indicate your acceptance of our proposal by signing and returning one copy to our office. Verbal authorization after receiving our proposal indicates acceptance of the attached Terms and Agreement.

UES sincerely appreciates the opportunity to provide you with this proposal. If you have any questions, please contact us.

Sincerely,  
**UES**



Byron L. Barton, P.G.  
Environmental Program Manager



Jeff Smith, P.G.  
Senior Geologist

Attachments: Terms and Conditions



**Tennessee Consolidated Retirement System**  
**Employer Actuarially Determined Contribution (ADC) Rate**

**Department Code(s): 884.41**

**MORRISTOWN HAMBLÉN CO LANDFILL**

Applicable period for this employer rate	July 1, 2025 through June 30, 2026
Actuarial valuation date	June 30, 2024
Actuarial experience study date	June 30, 2020
Investment rate of return assumption	6.75%

**Key Elements of the Pension Plan (Employer Elections)**

Base plan formula	1.5% formula times years of service
Employee contribution rate	5% of salary
Vesting period	5 years
Retiree COLAs	Provided, CPI based, capped at 3%

**Employer ADC Rate**

<i>Rate Components:</i>	
Normal cost	5.91 %
Unfunded accrued liability amortization	(4.70)%
Administrative cost	<u>0.37 %</u>
Total employer ADC rate	1.58 %

**Actuarial Present Value of Benefits (PVB) Summary**

Actuarial value of assets	\$ 2,951,241
Expected employee contributions	151,436
Expected employer normal cost	165,843
Unfunded accrued liability	<u>(508,009)</u>
Total PVB	\$ 2,760,511

**Employees Covered by Benefit Terms**

Inactive employees or beneficiaries currently receiving benefits	12
<i>Annualized Retirement Benefit: \$131,772</i>	
Inactive employees entitled to but not yet receiving benefits	4
Active employees	<u>8</u>
<i>Annualized Salary: \$397,273</i>	
Total	24

**Amortization of Unfunded Accrued Liability**

Actuarial Valuation Date	Unfunded Accrued Liability (Negative Unfunded Accrued Liability)	Annual Amortization Amount	Amortization Period at June 30, 2024 (in years)
June 30, 2013	\$ 0	\$ 0	0.00
June 30, 2015	(256,668)	(31,666)	11.00
June 30, 2016	(8,103)	(943)	12.00
June 30, 2017	0	0	0.00
June 30, 2018	0	0	0.00
June 30, 2019	6,662	6,662	1.00
June 30, 2020	(27,746)	(2,706)	16.00
June 30, 2021	(3,362)	(317)	17.00
June 30, 2022	21,610	21,610	1.00
June 30, 2023	11,086	11,086	1.00
June 30, 2024	<u>(251,488)</u>	<u>(21,807)</u>	20.00
Total	\$ (508,009)	\$ (18,081)	



**Employer Contribution Rate Certification  
Tennessee Consolidated Retirement System (TCRS)  
Actuarial Valuation at June 30, 2024**



**Acknowledgement of employer rate effective July 1, 2025 through June 30, 2026**

Department Code: 0088441

Department Name: MORRISTOWN HAMBLÉN CO LANDFILL

- ☐ I hereby acknowledge and agree that I have reviewed the background information on rates provided to me and also located on the Treasury Website at:  
<https://publicreports.treasury.tn.gov>. I further acknowledge the upward trends concerning future employer contribution rates.

Please select one of the options below

- ☐ The Minimum Employer rate: 1.58%  
☐ Optional: We choose to pay a higher contribution of: \_\_\_\_\_

Employer Signature \_\_\_\_\_ Title \_\_\_\_\_

Date \_\_\_\_\_ Phone \_\_\_\_\_ Email \_\_\_\_\_

The first department code listed on the Employer Actuarially Determined Contribution (ADC) Rate sheet is your master code. The master code is responsible for determining the rate and submitting the completed employer contribution rate certification to TCRS. The rate selected will be applicable for **all** department codes listed on the Employer Actuarially Determined Contribution (ADC) Rate sheet. It is the master code's responsibility to notify these departments of the new rates.

**Please return the completed rate certification no later than May 30, 2025 via one of the following methods:**

**By email:** [TCRS.EmployerReporting@tn.gov](mailto:TCRS.EmployerReporting@tn.gov)  
**By mail:** TCRS Employer Reporting  
502 Deaderick Street, 15<sup>th</sup> Fl.  
Nashville, TN 37243



STATE OF TENNESSEE  
**DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Solid Waste Management  
Knoxville Environmental Field Office  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921-6538

April 9, 2025

Mr. Dennis Barnes, Solid Waste Landfill Director  
Morristown Hamblen County Class I Landfill  
3849 Sublett Road  
Morristown, TN 37816

**CERTIFIED MAIL**  
#9489 0090 0027 6653 5482 23  
**RETURN RECEIPT REQUESTED**

**RE: SECOND NOTICE OF DEFICIENCY- TECHNICAL REVIEW**  
**Part II Class I Landfill Permit Application**  
**Morristown Hamblen County Class I Landfill Phase III (SNL320000152)**

Dear Mr. Barnes:

In accordance with the Regulations Governing Solid Waste Processing and Disposal, Rule 0400-11-01-.04 (9) (Part II Permit Application) the subject application for a new Class I Landfill has been reviewed for technical merit. The Division of Solid Waste Management (Division) received the Solid Waste Part II B Application form on December 18, 2023, presenting the intent for additional Class I landfill capacity. The Division issued a Notice of Incompleteness on January 12, 2024. Subsequent revisions submitted in February and June of 2024 were also determined to be incomplete. A revised application submitted on September 6, 2024, was deemed complete, and a Notice of Completeness was issued on September 19, 2024. The Part II Permit Application Technical Review began on September 19, 2024, with a Notice of Deficiency (NOD) being issued on December 13, 2024. A response from the applicant arrived recently on February 24, 2025.

The Division has now performed a second detailed technical review. Many comments remain in connection to the revisions, and additional comments relative to those revisions have been identified. Many of the responses were deemed too limited in addressing the comment or are contradictory to either the written portion of the application or the engineering sheets. The permit application should demonstrate compliance with the rules of the Division or alternatively, propose a variance or waiver from compliance with those rules. The February 24, 2025, response does not provide those demonstrations. The Division is hereby issuing a stay under the provisions of Tennessee Rule 0400-11-.01-.07(6)(c)2, as the response provided on February 24, 2025, does not adequately address the NOD issued on December 13, 2024. The Division has identified several fundamental design components to be addressed in the attached list. The list is not exhaustive of the responses deemed inadequate from the February 24, 2025, response. Please provide the Division with available dates to enable an in-person discussion of the review comments. Following the meeting, and an adequate response to the attached comments, the Division can finish reviewing the application's content. Note that successful resolution of the listed items will not likely result in approval of the application but will only allow the Division to continue a full technical review.

Mr. Dennis Barnes  
Morristown Hamblen Class I Landfill  
April 9, 2025  
Page 2 of 5

If you have any questions, please do not hesitate to contact me at email [Paula.Plont@tn.gov](mailto:Paula.Plont@tn.gov) or (865) 304-3314.

Sincerely,

Paula Plont

Paula Plont (Apr 9, 2025 13:38 EDT)

Paula Plont  
Environmental Consultant

Revendra Awasthi

Revendra Awasthi (Apr 9, 2025 13:36 EDT)

Revendra Awasthi, CHMM  
Environmental Field Office Manager

Cc: Steve Bostic, LDA Engineering, via email  
Reubin Robertson, LDA Engineering, via email  
Rob Ashe, Deputy Director of Field Operations, DSWM, via email  
Brian Wolf, Solid Waste Program Manager, DSWM, NCO, via email  
Rob Burnette, Chief Engineer, DSWM, NCO, via email  
Chris Scott, Statewide Geologist, DSWM, NCO, via email  
Molly Stanford, Environmental Scientist, DSWM, KEFO, via email  
DSWM/Central Office  
[Records.SWM@tn.gov](mailto:Records.SWM@tn.gov)

**NOTICE OF DEFICIENCY – TECHNICAL REVIEW COMMENTS**

1. NOD Comment # A-4: Sheet 4 shows structures on the property purchased to the north close to the buffer. Please identify each residence on plans and compliance with the 500' residential setback. Also identify any new homes on Sublett Road that may not be included in the survey across from the entrance gate.

RESPONSE: The additional homes along Sublett Road have been added.

**REBUTTAL:** The Division acknowledges the applicant added the new residential structures on Sublett Road, however the aspect of showing compliance with buffer was not done. Existing buildings are shown in the northern part of the expansion and no indication is provided whether they will be removed, destroyed, or will continue to be domiciles. Sheets (4,5,6,6A+) show two (2) horizontal lines both labeled as "500-ft residential setback" (see grid A7-B7 & I8-L8. These two lines are shown inside the waste boundary, which is not in compliance with the buffer standards. The Operation Manual contrastingly doesn't discuss buffer demonstration requirements. It is unclear the intent of showing waste to be filled within the buffer standards. If the applicant is requesting that the limits of waste be closer than the prescribed 500' buffer, a variance to that regulation would be needed. Signed statements waiving that requirement from all the affected homeowners are required for that variance to be considered. Alternatively, please revise the proposed limits of waste to comply with the 500' buffer.

2. NOD Comment # A-9: Drawing sheets appear to show the same sump shape and liner elevation (Sheets 6,7,8A, 8B, 8C). Define the surface that the contours represent on these sheets. The sheet that shows the excavation grades look the same as the one with leachate lines. Where is the elevation difference for the 5-foot geologic buffer +2-ft clay (7 ft difference)?

RESPONSE: These sheets have been revised to show the appropriate sump elevations with each layer and/or phase.

3. NOD Comment # A-11: Sheet 6A shows the excavation elevation to be ~1316 while Detail on Sheet 17 cites an elevation of 1337. Please explain.

RESPONSE: The elevations have been revised.

**COMBINED REBUTTAL 2 & 3:** Additional sheets showing elevations of the different layers of the liner system were identified. However, Sheet 6 indicates a top of clay sump elevation of 1316 and Sheet 6A indicates a top of buffer elevation of 1312. This conflicts with the details and cross-sections. The identified contradiction in elevations between Plan Sheets and Cross sheets remains in this most recent revision. The profile and sections on Sheet 15 still doesn't align with the Plan view grades, indicating a significant discrepancy in elevations. Please review the profile and all cross-section to assure coordination with applicable plan sheets. The Division is unsure what elevation is represented by the plan drawings. Care should be taken to ensure that the drawings represent what is proposed to be permitted and meets the rules of the Division.

4. NOD Comment # A-25: The Division did not find any Sheet Details showing the top and bottom liner seamed together. Please show on all applicable views.

RESPONSE: The detail has been revised.

**REBUTTAL:** This detail now shows the addition of a second trench. Anything placed in this lateral area would fall outside the bottom system's defined formal waste boundary at the crest of bottom anchor

trench. This airspace cannot be compliantly used by the landfill for disposal. The adjustment of this detail now draws into question the airspace calculations and final grade sheets. Top and bottom seaming is typically performed in one anchor trench, as long as the geomembrane components are aligned. The proposal of a second trench as the intended solution to enable membrane seaming creates new concern for intended operations.

5. NOD Comment # A-32: Verify the limits of waste as there appears to be liner and cap constructed beyond the dashed line on the plans. Specifically, the northwest corner of footprint and identified on cross section "profile", Section C, and Section D.

RESPONSE: The limits of waste have been verified.

**REBUTTAL:** This issue remains unchanged. The permit application shows the construction of liner system and final cover outside the limits of waste (as indicated by the plans and cross sections). No details of what material would be placed in the envelope between the limits of waste and the anchor trench were identified. Specifically, please review station 1+00 to 1+25 on "PROFILE", stations 16+00 to 18+50 on "SECTION C", and stations 12+50 to 13+50 on "SECTION D".

6. NOD Comment # B-36: No leachate storage is included in the narrative or in the Plans. Rule 0400-11-01-.04(4)(a)7(iii) (II) outlines a class I landfill should have storage equal to 30 days. Provide storage or combined with pumping to show how the site will collect and manage leachate liquids in specific detail for the Division to consider adequacy.

RESPONSE: The landfill intends to utilize pump and haul in lieu of 30 days of storage. A Leachate Management Plan is provided in Appendix 14.

**REBUTTAL:** This Phase III landfill application remains deficient relative to providing leachate storage. The newly written Leachate Management Plan (LMP) describes liquids flowing through a wet well on page 2 which is an inaccurate description, and centers on the volume of one manhole. The application proposes that the current Phase II leachate generation volumes will represent the Phase III cell. This comparison is not an acceptable engineering design estimation method. Phase III cell, even with the stormwater diversion berm will capture a significantly larger volume as the subterrain confining excavation design will not shed any rain until the waste reaches higher elevations. The HELP Model output values notably disagree and estimates larger values for Phase III. Rule 0400-11-01-.04(4)(a)7.(iii)(II) states "Leachate collection reservoirs must have sufficient capacity to store the volume of leachate expected to be generated in 30 days, or other adequate provisions approved by the Commissioner." The provisions proposed in this response are not adequate for approval.

7. NOD Comment # D-2: Facilities Description, Item O: This section describes the groundwater monitoring system for the existing landfill, which is currently functioning as a corrective action monitoring system. The proposed Class I expansion will require a new groundwater monitoring plan to include detection monitoring using a different set of wells than those used for the existing landfill. In particular, as noted in the hydrogeological report, the existing upgradient well, GW-4, will be a downgradient well for the new disposal area. A recently installed well, MW-14, will be used as the upgradient well for the new disposal area and, potentially, for the existing landfill. This will change the statistical evaluation. Also as noted in the hydrogeological report, "[T]he expansion area is adjacent and upgradient of the southwestern closed disposal area and MW-3 and GW-2, which are included in the impacted well list for this disposal area, are located immediately adjacent and downgradient of the proposed landfill expansion..." Detection monitoring for a new disposal area immediately upgradient of a corrective-action facility will be difficult and will require procedures to ensure that it is possible to detect contaminants in groundwater related to the new disposal area. A new groundwater monitoring

plan must be presented in a revised submittal (see also comments related to the Corrective Action Monitoring Plan).

RESPONSE: This will ultimately require an early leak detection system since there is no feasible location for the monitoring wells to meet the requirements.

8. NOD Comment #D-4: Appendix 7 – Corrective Action Monitoring Plan: The Corrective Action Monitoring Plan (CAMP) is not relevant to the proposed expansion. While certain elements of the plan may be used in the monitoring network for the expansion, the purpose of the CAMP is to document that reductions in groundwater concentrations are occurring as a result of implemented corrective actions. For the proposed expansion, a groundwater monitoring program capable of detecting a release from the landfill will be required. This will involve a different subset of site monitoring wells and different data evaluation and statistical procedures. In particular, the expansion area will use a new background well (MW-14) and monitoring wells that are impacted by the existing landfill will have to be included in the monitoring network for the expansion area. Therefore, a new groundwater monitoring program must be proposed, including a monitoring plan meeting the requirements of the Rule. Analytical data provided in the included Groundwater Corrective Action Monitoring Report (Appendix E) indicates high levels of cobalt and abnormally high levels of chromium. Chromium levels are over 5 times the limit for MW-14. The data suggests from 4/11/2023 to 6/27/2023 Chromium drops from 575 micrograms per liter (page 914) to 2.69 micrograms per liter. The well being impacted with chromium is an indication that the well may not be adequate for use as an upgradient well. Upgradient wells should be “clean”. Please explain the high chromium and cobalt levels.

RESPONSE: Concentrations observed in April and June 2023 are attributed to natural organic suspended silts that were mobilized during drilling and not adequately removed from the aquifer medium surrounding the well prior to sampling. The report has been revised to include the data from October 2023, April 2024, and October 2024, which provide conclusive evidence that the elevated inorganic concentrations observed in April and June 2023 were due to the effects of the recent drilling and development of the well.

**COMBINED REBUTTAL 7&8:** The responses to NOD Comments D-2 and D-4 are inadequate. There is no clearly defined groundwater monitoring network. A new groundwater monitoring plan must be submitted that meets the requirements of Rule 0400-11-01-.04(7)(a). The existing Corrective Action Monitoring Plan does not adequately address groundwater monitoring either for the new landfill phase or for the combined monitoring of all existing and proposed landfill phases. Further, the Rule does not permit the use of a leak detection system (LDS) in lieu of a groundwater monitoring system. A properly designed and monitored LDS may be used only to augment a monitoring system that is capable of detecting impacts to groundwater via analysis of samples from monitoring wells, springs, or surface water. The proposed LDS is neither properly designed nor could it be monitored accurately.

# MORRISTOWN UTILITIES COMMISSION

433 West First North St  
PO Box 667  
Morristown, TN 37815  
Ph. 423-586-4121 [www.musfiber.net](http://www.musfiber.net)



April 11, 2025

Attention: Tom Rush, Chairman  
Hamblen County Morristown Solid Waste System Board  
3849 Sublet Road  
Morristown, TN 37813

Subject: Landfill expansion and sewage discharge

Dear Mr. Rush,

As you may or may not be aware, Morristown Utilities (MU) is mandated by the Tennessee Department of Environment and Conservation (TDEC) Division of Water Supply to maintain an Industrial Pre-Treatment Program (IPP) to control and/or limit sewage characteristics discharged into the MU sewer system. MU has been accepting sewage discharge, specifically leachate, from Hamblen County Landfill for numerous years. In 2018, MU diverted all East Tennessee Progress Center sewage flow to the Lowland Wastewater Treatment Plant (WWTP). The Lowland WWTP is a small system currently approaching treatment capacity with several industrial dischargers along with three (3) other landfills discharging into the system. Therefore, due to the size and complexity of the discharge stream being treated at Lowland WWTP MU must be stringent when implementing the requirements of the IPP to stay in compliance with TDEC Division of Water Supply requirements.

MU staff have been made aware of the potential expansion of the Hamblen County Landfill, resulting in increased leachate flow and potentially introducing unacceptable stormwater runoff into the sewer system. MU wishes to be included in the discussion of the Hamblen County Landfill expansion design in an effort to develop a discharge plan together that will maintain compliance with TDEC requirements for both Solid Waste and Water Supply. Based upon an email from your consulting engineer it is our understanding that plans and specifications have already been submitted to TDEC Solid Waste for review and approval.

Due to capacity limitations and treatment capabilities, the following discharge limits must remain in place.

- Discharge limit of 25,000 GPD
- BOD 450 mg/l
- TSS 450 mg/l
- FOG 100 mg/l
- Ammonia 1100 mg/l
- Settleable Solids 2.0 ml/l

Additionally, please note the landfill discharge has exceeded phenols three times in the past two years and has approached limits for nickel and settleable solids on multiple occasions.

Electric, Water, Wastewater, Video, Internet & Voice Services

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Since no information has been submitted to MU regarding this expansion to date, it would be beneficial to submit preliminary plans to MU. The review is necessary to determine if any conflicts or concerns concerning sewage discharge need to be addressed. Furthermore, it is a requirement per the TDEC Division of Water Supply prior to changes in sewer discharge. As per our IPP requirements, MU will need the following information.

1. A complete copy of plans, specifications, and any engineering evaluations or reports
2. A written summary of the expansion that details estimated leachate generation from the new expansion. The summary should, at minimum, detail the following:
  - a. Explanation of expansion along with cell openings projected dates
  - b. Explanation of silt control intrusion into the sewer system
  - c. Explanation of stormwater control methods
    - i. Control of flow from unused cells
    - ii. Control of flow from open but not yet filled active cells
  - d. Explanation of control of ammonia concentrations, beyond current levels, to be discharged into the system
  - e. Explanation of anticipated new volumes of wastewater.
    - i. M-H Landfill IUP discharge flow is limited to 25,000 GPD, a written evaluation/explanation of how the landfill will maintain compliance with this limit will be required

I have attached a copy of the Hamblen County Morristown Solid Waste System's current Industrial User Permit for reference. This permit will be updated soon for compliance with the Lowland NPDES permit received on April 7, 2025. MU staff's desire is to work alongside Landfill staff and consultants to develop the best plan for compliance with TDEC requirements. The best scenario would be to schedule a meeting between the two entities to ensure compliance with TDEC requirements. Please have a representative from your staff reach out to Mike Howard, our Water and Wastewater Operations Manager, to discuss the upcoming expansion.

Sincerely,



Joseph S. Wigington, P.E.  
General Manager/CEO

cc: Mike Howard, MU  
Barry Calfee, MU  
Justin Gilland, MU  
Dennis Barnes, H-M Solid Waste

Electric, Water, Wastewater, Video, Internet & Voice Services



MORRISTOWN UTILITIES COMMISSION  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

In accordance with the provisions of the City of Morristown Water Pollution Control Ordinance, formerly referred to as Sewer Use Ordinance (SUO), and the Morristown Utilities Commission Industrial Pretreatment Policy,

Hamblen County – Morristown Solid Waste System  
3849 Sublet Road  
P.O. Box 2108  
Morristown, Tennessee 37816  
Permit No. 2001

is hereby authorized to discharge industrial wastewater from the above identified facility through the outfall(s) identified herein into the Publicly Owned Treatment Works in accordance with the conditions set forth in this permit. All references to Sewer Use Ordinance, or SUO, contained in this permit shall be synonymous with Water Pollution Control Ordinance. Compliance with this permit does not relieve the Permittee of its obligation to comply with any and all applicable pretreatment regulations, standards, or other requirements under Local, State, and Federal laws inclusive of any such regulating standards, requirements, or laws that may become effective during the term of this permit. Additionally, all references to Morristown Utilities Commission shall be synonymous with Morristown Utilities (MU).

Noncompliance with any term or condition identified in this permit shall constitute a violation of the Water Pollution Control Ordinance and MU Industrial Pretreatment Policy.

This permit shall become effective on 9/1/2021, and shall expire on 12/31/2024.

The Permittee shall not discharge after the date of expiration. In order to continue discharging beyond this date, the Permittee must complete an application for re-issuance of this permit. In accordance with the requirements of the MU Industrial Pretreatment Policy, the application must be submitted a minimum of 180 days prior to the expiration date.

By Revised Permit – 10-1-2023 - Original Signature Remains Effective  
Michael Howard, Water Operations Manager

Issued this 2 day of August 2021

## PART I - APPLICABLE EFFLUENT LIMITATIONS

- A. During the period of 9/1/2021 to 12/31/2024, the Permittee is authorized to discharge process wastewater to the Publicly Owned Treatment Works from the below listed outfall(s):

Description of outfall(s):

Outfall No.

Description

001

Through the existing monitoring manhole located between Sublett Road and the air scrubber system south of the facility. The effluent from this outfall consists of **unregulated process wastewater** from leachate lines. The effluent from this outfall is classified as **Significant Noncategorical**, and therefore subject to all applicable local limits and thresholds.

- B. During the period of 9/1/2021 to 12/31/2024 the monitoring frequency of pollutants limited by pretreatment standards shall be based upon the daily flow as established herein. Flow in excess of the established threshold shall be subject to increased monitoring requirements. The Permittee shall not be subject to any further provisions for exceeding established thresholds except as follows: any flow rate that either alone, or in interaction with other substances, causes interference with the POTW, pass through of the POTW, or constitutes an adverse environmental impact shall be subject to enforcement provisions. Furthermore, in accordance with Standard Permit Requirements, Part 5, Section E Additional Reporting Requirements, Paragraph 1 Reports of Changed Conditions, Each user must notify MU of any significant changes to the user's operations or system which might alter the nature, quality, or volume of its wastewater at least sixty (60) days before the change.

Parameter	Daily Threshold (GPD)	Max Threshold (GPM)	Type
Flow	25,000	N/A	Local

- C. During the period of 9/1/2021 to 12/31/2024, the Permittee's effluent shall be analyzed for compatible pollutants as set forth in the MU Industrial Pretreatment Policy (IPP) at the Permittee's expense. Compatible pollutants are defined as those pollutants that the POTW is designed to treat and remove to a substantial degree. A surcharge, as defined in the MU Surcharge Policy, shall be charged based upon the strength of the wastewater in excess of established thresholds. The Permittee shall not be subject to any further provisions for exceeding established thresholds (exceeding thresholds is not a violation of this permit) except as follows: any pollutant, including compatible pollutants such as BOD, TSS, Ammonia Nitrogen, Total Phosphorus, and FOG, released at a flow rate and/or pollutant concentration that either alone, or in interaction with other substances, causes interference with the POTW; pass through of the POTW, or constitutes an adverse environmental impact shall be deemed non-compatible and shall be subject to enforcement provisions.

Parameter	Daily Threshold (mg/l)	Daily Maximum Limit (mg/l)	Monthly Average Limit (mg/l)	Type
BOD	250	450	N/A	Local
TSS	250	450	N/A	Local
FOG	75	100	N/A	Local
Ammonia as N	45	1250	1100	Local
Settleable Solids (ml/l)	N/A	2.0 (ml/l)	N/A	Local

- D. During the period of 9/1/2021 to 12/31/2024, the discharge from outfall shall not exceed the following effluent limitations.

Parameter	Daily Maximum Limit (mg/l)	Daily Maximum Limit (lbs/day)	Type
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**Primary Inorganic Pollutants**

Cyanide	0.2323	N/A	Local
pH	5.0 – 10.0 (SU)	N/A	Local
Phenols, Total	0.450	N/A	Local

**Secondary Inorganic Pollutants**

Nitrate	Report only	N/A	Local
Nitrite	Report only	N/A	Local
Phosphorus	Report only	N/A	Local
Total Kjeldahl Nitrogen	Report only	N/A	Local

Parameter	Daily Maximum Limit (mg/l)	Daily Maximum Limit (lbs/day)	Type
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**Primary Metals**

Cadmium	0.03	N/A	Local
Chromium, Total	Report Only	N/A	Local
Copper	0.5	N/A	Local
Lead	0.1	N/A	Local
Mercury	0.0017	N/A	Local
Nickel	0.300	N/A	Local
Silver	0.2941	N/A	Local
Zinc	0.450	N/A	

**Secondary Metals**

Arsenic	Report Only	N/A	Local
Molybdenum	Report Only	N/A	Local
Selenium	Report Only	N/A	Local

Parameter	Daily Maximum Limit (mg/l)	Daily Maximum Limit (lbs/day)	Type
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**Primary Organic Pollutants**

Toluene	0.2143	N/A	Local
Benzene	0.0200	N/A	Local
1,1,1, Trichloroethane	0.2	N/A	Local
Ethylbenzene	0.0100	N/A	Local
Carbon Tetrachloride	0.0345	N/A	Local
Chloroform	0.2576	N/A	Local
Tetrachloroethylene	0.125	N/A	Local
Trichloroethylene	0.0909	N/A	Local
1,2, trans Dichloroethylene	0.0045	N/A	Local
Methylene Chloride	0.1351	N/A	Local
Naphthalene	0.0077	N/A	Local
Phthalates, Total	0.1792	N/A	
Bis (2-ethylhexyl) phthalate			
Butyl benzylphthalate			
Di-n-Butylphthalate			
Diethyl phthalate			

Parameter	Daily Maximum Limit (mg/l)	Daily Maximum Limit (lbs/day)	Type
<b>Secondary Organic Pollutants</b>			
Acetone	Report Only	N/A	Local
Methyl Ethyl Ketone (MEK)	Report Only	N/A	Local
Methyl Isobutyl Ketone (MIBK)	Report Only	N/A	Local
Tetrahydrofuran	Report Only	N/A	Local
Xylenes	Report Only	N/A	Local
Vinyl Acetate	Report Only	N/A	Local

**Additional Requirement Report Only**

Organic pollutants shall include, at minimum, Monocyclic Aromatics, Halogenated Aliphatics, Phthalate Esters, and shall identify and quantify if possible all parameters with peaks exceeding 10 times the adjacent background noise.

- 
- E. All discharges shall comply with all other applicable laws, regulations, standards, and requirements contained in the Water Pollution Control Ordinance, the MU Industrial Pretreatment Policy and any applicable State and Federal laws, regulations, standards, and requirements, including any such laws, regulations, standards or requirements that may become effective during the term of this permit.

## PART 2 -MONITORING REQUIREMENTS

- A. From the period beginning 9/1/2021 to 12/31/2024, the effluent from outfall 001 shall be analyzed for the following parameters at the indicated frequency.

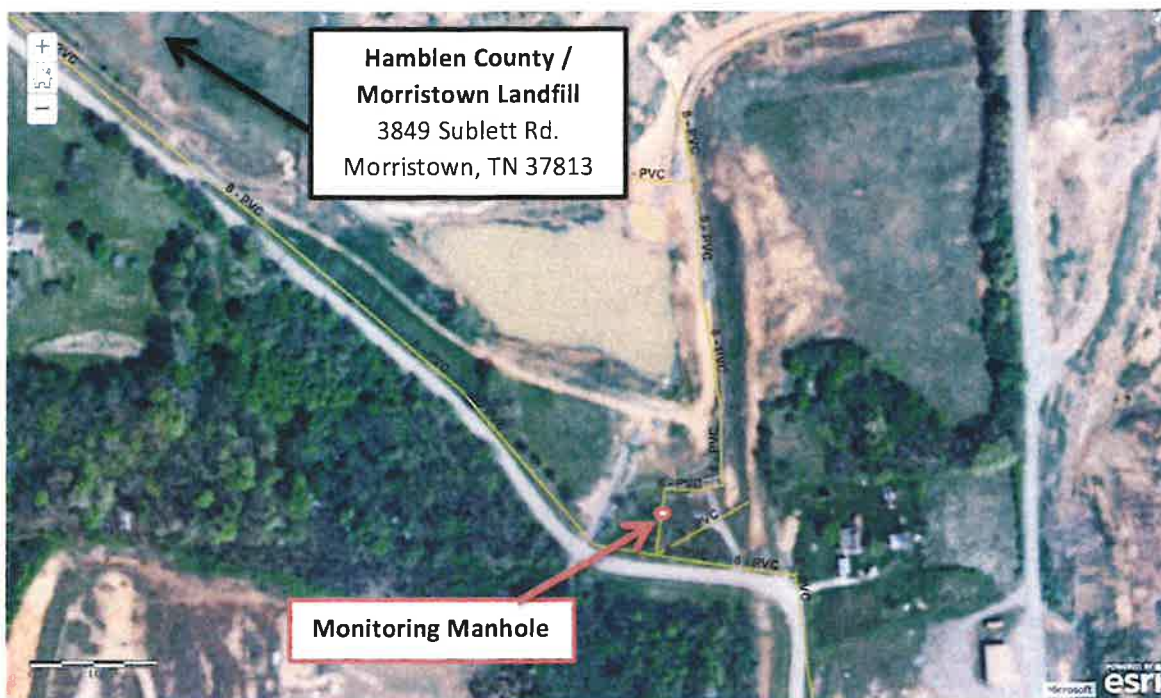
Parameter	Location	Frequency	Sample Type
Flow (Monthly Usage)	See note 1	1/Month	Water Meter <sup>2</sup>
Flow (GPD)	See note 1	1/Week	Flume Reading <sup>4</sup>
Flow (GPD)	See note 1	Daily	Effluent Flow Meter <sup>7,8</sup>
<b>Compatible Pollutants</b>			
BOD (mg/l)	See note 1	1/Week	24-hr Composite <sup>5</sup>
TSS (mg/l)	See note 1	1/Week	24-hr Composite
FOG (mg/l)	See note 1	1/Week	Grab <sup>6</sup>
Ammonia as N (mg/l)	See note 1	1/Week	24-hr Composite
Settleable Solids (ml/l)	See note 1	1/Week	Grab <sup>9</sup>
<b>Primary Inorganic Pollutants</b>			
Cyanide (mg/l)	See note 1	Quarterly <sup>10</sup>	Grab
pH (standard units)	See note 1	1/Week	Grab
Phenols, Total (mg/l)	See note 1	1/Month	Grab
<b>Secondary Inorganic Pollutants</b>			
Nitrate (mg/l)	See note 1	1/Month	24-hr Composite
Nitrite (mg/l)	See note 1	1/Month	24-hr Composite
Phosphorus (mg/l)	See note 1	1/Month	24-hr Composite
Total Kjeldahl Nitrogen (mg/l)	See note 1	1/Month	24-hr Composite
<b>Primary Metals</b>			
Cadmium (mg/l)	See note 1	Quarterly	24-hr Composite
Chromium (mg/l)	See note 1	Quarterly	24-hr Composite
Copper (mg/l)	See note 1	Quarterly	24-hr Composite
Lead (mg/l)	See note 1	Quarterly	24-hr Composite
Mercury (mg/l)	See note 1	1/Month	24-hr Composite
Nickel (mg/l)	See note 1	1/Month	24-hr Composite
Silver (mg/l)	See note 1	Quarterly	24-hr Composite
Zinc (mg/l)	See note 1	1/Month	24-hr Composite
<b>Secondary Metals</b>			
Arsenic (mg/l)	See note 1	Semi-Annual <sup>3</sup>	24-hr Composite
Molybdenum (mg/l)	See note 1	Semi-Annual	24-hr Composite
Selenium (mg/l)	See note 1	Semi-Annual	24-hr Composite
<b>Primary/Secondary Organic Pollutants</b>			
Primary/Secondary Organics (mg/l)	See note 1	Semi-Annual	Grab

- B. All handling and preservation of collected samples and laboratory analyses of samples shall be performed in accordance with 40 CFR Part 136 and amendments thereto unless specified otherwise in the monitoring conditions of this permit.
- C. Annual and Semi-Annual analyses shall be conducted per the MU IPP, at the users expense, which shall satisfy the monitoring requirements for Industrial Users required to monitor at this frequency, and shall also satisfy two of the monitoring requirements for Industrial Users required to monitor more frequently than Semi-Annual. Analyses required more frequently than Semi-Annual shall also be conducted per the MU IPP. The cost of additional analyses shall be the responsibility of the Industrial User.
- D. The MU reserves the right to increase monitoring frequencies for any Industrial User as deemed necessary to protect the POTW. Both daily maximum and monthly averages shall be used to verify compliance with applicable standards should monitoring occur more frequently.

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**Notes:**

- 1. Diagram provided below for exact location.
  - 2. Monthly water flows will be obtained from the Permittee's monthly water utility bill for surcharge purposes.
  - 3. Semi-Annual shall be conducted every half year within the following six-month periods: January 1 through June 30, and July 1 through December 31.
  - 4. Flume readings will be used for compliance monitoring and verification purposes.
  - 5. Definition of Composite Sample provided in Part 5, Section A, Standard Permit Requirements.
  - 6. Definition of Grab Sample provided in part 5, Section A, Standard Permit Requirements.
  - 7. Continuous effluent flow monitoring required. Totalizer readings shall be recorded once daily.
  - 8. Flow measurement devices shall be calibrated, at minimum, quarterly by the Permittee and annually by a service provider certified to service and calibrate equipment using standards and accuracies traceable to the National Institute of Standards and Technology (NIST). The annual calibration shall meet one of the Permittee's quarterly calibration requirements. The documentation of equipment maintenance and calibration shall include:
    - a) Date and time of calibration
    - b) Name of the individual who calibrated the instrument
    - c) Adjustments made to the instrument if applicable
    - d) Equipment failures
    - e) Corrective action procedures
    - f) Any additional noteworthy information
  - 9. For the purposes of Settleable Solids, samples shall be collected only when active flow is available. Therefore, since the leachate system is conveyed by pumps it may be necessary to operate a pump by hand in order to collect a valid sample.
  - 10. Quarterly shall be conducted four times per year during the following three-month periods: January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31.
-



**Stephanie Clonce**

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**From:** Dennis Barnes  
**Sent:** Thursday, April 24, 2025 7:20 AM  
**To:** Stephanie Clonce  
**Subject:** Fwd: From Shupe 920 Guy Collins Rd.

Sent from my iPhone

Begin forwarded message:

**From:** Tom Rush <rush\_thomas@comcast.net>  
**Date:** April 15, 2025 at 2:18:50 PM EDT  
**To:** Dennis Barnes <dbarnes@hcmsw.org>  
**Subject:** **Fwd: From Shupe 920 Guy Collins Rd.**

Sent from my iPhone

Begin forwarded message:

**From:** ALLEN SHUPE <akshupe@gmail.com>  
**Date:** April 15, 2025 at 1:58:00 PM EDT  
**To:** rush\_thomas@comcast.net  
**Subject:** **From Shupe 920 Guy Collins Rd.**

Greetings Mr. Rush.

I am writing this to thank you for the stellar response I have received after my call regarding the effects of the landfill expansion. Within minutes of my call Mr. Dennis Barnes was ringing my doorbell, politely receptive to my concerns about covering the trash expansion and the loose items blowing downhill on this windy day.

I simply wish to express appreciation to you and your landfill management team for what I perceive to be a well-run landfill operation sensitive to the concerns of your neighbors. We were hoping that the landfill near us would soon close (replaced by a beautiful golf course), but a well-run operation is the next best thing. Happy Easter to you and yours. Allen Shupe