

Loudon County Solid Waste Disposal Commission
November 20th, 2025
6:00PM
Loudon County Annex

Roll Call

Public Comment

LCSWDC:

- October 2025 Minutes
- 2026 Meeting Dates
- Invoices to be Approved
- 2024 & 2025 Audit Update
- Republic Fee Discrepancy Update
- Tennessee National Buffer Easement
- Legal Update
- WastAway Presentation
- Vulture Update
- 1st Semi Annual Ground Water Monitoring Report
- Purdy Springs Update
- Module C & D Closure Update
- Cell A Leachate Disconnect Update
- Leachate Storage Tank Update
- New Borrow Pit Update
- Borrow Pit Rezone
- Storm Water Ponds Update
- Jurisdictional Water

Republic:

- Operations
- Engineering Report
- Airspace Utilization Report
- TDEC Inspection(s)
- Host and Security Fee Letter
- LCSWDC Financial Information

Action Items

Adjourn

Loudon County Solid Waste Disposal Commission Meeting Minutes

Date: October 17, 2025

Meeting Type: Regular Commission Meeting

Location: Courthouse Annex Building, Loudon, Tennessee

Time: 6:00 pm EST

Chairman: Mr. Adam Waller

Attendees:

- **Commission Members Present:** Ms. Monty Ross, Mr. Gary Hendrix, Chairman Mr. Adam Waller, Mr. Andy Lawson, Dr. Steve Bartell
 - **Commission Members Absent:** None noted
 - **Legal Representation:** Ms. Elizabeth Murphy
 - **Republic Services:** Mr. David Hollinshead, Mr. Stoddard Pickerell, Ms. Lindsey Turtle
 - **Public:** Lisa Vinton, Rich Anklen, Pat Hunter, Cindy Viar, Sott and Lisa Vinton
-

PUBLIC COMMENTS

Positive Recognition for Republic Services Lisa Vinton commended Republic Services and specifically Teresa Fox for excellent cooperation in addressing trash cleanup along the landfill access road. Over the past two to three months, communication and response have improved significantly. Ms. Fox has assisted with community volunteer cleanup efforts, which occur on the first Saturday of each month with up to 25 volunteers. The county and state Adopt-a-Highway program provide support materials for these activities.

Budget Concerns Rich questioned several budget line items, particularly the \$400,000 allocation for legal services, noting it seemed excessive. He also raised concerns about \$200,000 designated for post-closure costs and the \$21,000 audit expense. Chairman Waller clarified that legal costs reflect increased expansion work and potential litigation, the audit covers two years (2024 and 2025), and post-closure funds address an 80-year liability period.

Road Mud Solution Request Pat Hunter, representing Brian Viar, requested written documentation showing a permanent solution to the ongoing mud problem on roads accessing the landfill. This concern has been raised monthly by Mr. Viar, who seeks tangible evidence of resolution.

Detailed Budget Objections Pat Hunter argued that several budget items required reduction:

- **Board membership fees:** Calculated at \$14,000 but should be under \$9,000 based on five members and meeting attendance
- **Legal services:** At \$400,000, it significantly exceeds the county attorney's budget of \$210,000 despite handling multiple ongoing lawsuits
- **Contracted services and audit costs:** Also questioned as potentially inflated

Ms. Hunter noted the county attorney handles five to six ongoing lawsuits for \$210,000 annually, suggesting the commission's legal budget should be reduced accordingly. Chairman Waller explained the commission can amend the budget mid-year if necessary.

Landfill Sale Opposition Ms. Hunter expressed serious concerns about any potential sale of the landfill to Republic Services, citing their failure to address contract compliance issues. She referenced the Murfreesboro situation where continued court action was necessary despite agreements with Republic. She questioned why the commission would consider selling to a company that cannot fulfill current contractual obligations, particularly regarding inspection report AOCCs (Areas of Concern and Compliance) and longstanding operational issues.

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ADMINISTRATIVE ACTIONS

September 2025 Minutes Approval Ms. Ross identified spelling corrections needed for board member names:

- Dr. Bartell's name corrected (remove "e")
- Mr. Hendrix's name corrected on last page ("rix" spelling)

Motion: Approve September 2025 minutes with corrections

Motion by: Ms. Ross

Seconded by: Mr. Hendrix

Result: Approved unanimously

Legal Services Invoice Payment Chairman Waller received an invoice from Ms. Murphy totaling \$15,960 for April and May legal services.

Motion: Approve payment of \$15,960 for April and May legal services

Motion by: Mr. Lawson

Seconded by: Mr. Hendrix

Result: Approved unanimously

2025-2026 Budget Approval The commission reviewed the proposed budget with projected revenues of \$500,000 based on conservative estimates. Actual 2024 revenues totaled \$786,000 including \$22,000 in investment income. Legal services increased due to expansion activities and potential litigation discussions.

Motion: Approve 2025-2026 budget as presented

Motion by: Ms. Ross

Seconded by: Dr. Bartell

Result: Approved unanimously

Amendment to June 19, 2025 Minutes Due to accidental camera shutdown after executive session on June 19th, Ms. Murphy's rate changes were not captured in official minutes.

Motion: Amend June 19, 2025 minutes to include Ms. Murphy's rate change to \$385 per hour for non-litigation work, effective June 19, 2025

Motion by: Ms. Ross

Seconded by: Dr. Bartell

Result: Approved unanimously

ENVIRONMENTAL MONITORING AND COMPLIANCE

Semi-Annual Groundwater Monitoring Report Stoddard Pickerell presented the first semi-annual groundwater monitoring report, which included additional sampling events and comprehensive data collection from the Purdy property spring. This data will inform future monitoring network adjustments.

Dr. Bartell's Technical Questions:

- **Trend analysis clarification:** "Recent events" refers to recent sampling history showing seasonal fluctuations rather than specific incidents
- **Potassium analysis:** Undefined short-term influence on groundwater quality has subsided; Stoddard committed to providing detailed explanation via email
- **Nitrate sources:** Elevated nitrate detections appear related to neighboring activities, particularly the mushroom facility operations on the eastern perimeter, rather than leachate migration since nitrate is not a primary leachate indicator parameter
- **Quality control procedures:** CEC performs sampling, with laboratory analysis and dual review by both Egan Associates (Ohio-based groundwater consultant) and Republic Services to ensure accuracy of MCL (Maximum Contaminant Level) comparisons

Third Quarter Landfill Gas (LFG) Monitoring Report The seven-page quarterly report documents probe monitoring to detect potential methane migration from the landfill. All probe monitoring showed readings below detection limits, confirming no off-site methane migration. This represents routine compliance verification required by solid waste regulations.

Ms. Murphy questioned SCS reporting results. Stoddard clarified that zero readings applied specifically to permanent probes and enclosed structure monitoring, not surface emissions monitoring which uses different methodologies and 500 parts per million thresholds.

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INFRASTRUCTURE PROJECTS AND ENGINEERING

Module C and D Closure Project Stoddard and consultant Chris Cline are finalizing plans for a toe drain along the eastern slope of the closure area. The toe drain will:

- Connect to existing leachate infrastructure on the western side

- Eliminate need for two temporary pumps currently in operation
- Incorporate cleanouts at appropriate intervals for maintenance access
- Use granite material (not limestone) for proper drainage
- Provide long-term foundation for future full-perimeter drainage system

The design process involves multiple iterations to ensure all engineering standards are met and maintenance accessibility is optimized. Hinkle Construction completed cell construction this week and will begin east slope work the week of October 20th to locate the anchor trench and install the toe drain system.

New Cell Modules Timeline The newly constructed cells are mechanically complete and awaiting TDEC's 30-day review period once the Certification of Construction (CB) report is submitted. Upon approval, waste placement can begin immediately in the new modules.

Cell A Leachate Disconnect Repair Stoddard provided a detailed account of the complex two-week repair project that initially was expected to take only two days:

- Stinger rod successfully inserted to bottom of waste column within four hours
- Fernco coupling removal proved challenging, requiring multiple specialized equipment approaches including root cutters, jetter rods, and grinder tools
- Unexpected discovery of corrugated plastic pipe (CPP/ADS-style drainage pipe) on the upgradient side rather than anticipated rigid PVC or HDPE
- Stinger rod successfully set with leachate pass-through established
- Cleanout installed for ongoing maintenance via jetting and camera inspections
- While leachate flow did not increase as much as hoped, the system is functioning properly
- Future maintenance concerns focus on potential perforation clogging, addressable through routine jetting and camera surveillance

Leachate Storage Tank Restoration The leachate storage tank that shifted on its platform has been reset and returned to full operation. Testing involved discharging approximately 8 feet of liquid (one-third capacity) with no leaks detected. Pump testing confirmed proper discharge capacity to the POTW (Publicly Owned Treatment Works).

Per expansion permit requirements, Republic must install an additional 250,000-gallon storage tank within one year of waste placement approval in the new modules, bringing total capacity to 350,000 gallons (currently at 269,000 gallons with the operational tank).

Borrow Pit Development Stoddard is working with Chris Cline on borrow pit plans and seeks commission approval to begin soil classification through test pit analysis. While rezoning approval from the county will be required before active use, classification work can proceed without permits. Understanding soil availability is critical for:

- Financial assurance calculations

- Long-term soil needs assessment for site life
- Closure project planning

Chairman Waller indicated he would consult with Chris Cline regarding authorization for classification work to proceed.

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Stormwater Pond Management All ponds are functioning properly with ongoing remediation at Pond 2:

- Ammonia levels reduced to nearly non-detectable (2 parts per billion)
- BOD (Biochemical Oxygen Demand) remains slightly elevated at 183, above the 120 cutoff
- New aeration system installed to accelerate treatment
- Elevated BOD attributed to stagnant conditions during pond closure period
- Trends moving in positive direction toward compliance
- Four additional bays planned in connection with closure project
- Most recent sampling results not included in current report but will be in November packet

Road Improvement Project Republic Services will begin major paving project in November, installing 1,000 linear feet of pavement from the scales to approximately 100 feet past the wheel wash. The project includes:

- Series of catch basins with heavy-duty cattle guard-style grates (3-week lead time for custom castings)
- Grates engineered to support all truck types including tractor-trailers
- Sediment capture capability before material reaches public roads
- Elimination of rock and mud section
- Recognition that this represents a significant step toward permanent solution

Chairman Waller noted this addresses longstanding public concerns about road conditions, particularly mud tracking onto public roads.

Brush Pile Management Ground mulch from the brush pile serves multiple operational purposes:

- Road stabilization and improvement
- Stormwater control applications
- Soil amendment for effective grass establishment on closure areas

- Current focus on seeding recently completed slopes during optimal planting window
 - Crew from Churchill, Tennessee assisting Hinkle Construction with slope seeding as they transition to closure grading work
-

COMPLIANCE AND INSPECTION ISSUES

TDEC Inspection Areas of Concern (AOC) September and October inspection reports included an AOC related to the eastern perimeter ditch. Following Sunday night rains, TDEC inspector Paul observed standing water with concerning coloration during Monday inspection. While no flowing leachate was observed, water tint raised concerns about potential leachate presence versus algae or bacterial growth.

Stoddard reported extensive discussions with the regulator, who acknowledged:

- Current maintenance methods are acceptable
- Issue is being actively addressed through closure project planning
- AOC designation was appropriate given visual concerns
- Commission is taking proper corrective steps

Conductivity Testing Discussion Ms. Murphy raised the importance of on-site conductivity meters for immediate water quality assessment. Such meters allow rapid determination of whether standing water contains elevated conductivity indicating leachate presence versus surface water characteristics. She recommended all landfills and TDEC inspectors maintain conductivity meters for field testing.

Stoddard explained Republic's policy of using third-party sampling to ensure data integrity and avoid questions about testing accuracy, though acknowledged field meters could provide useful preliminary information between formal sampling events.

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FINANCIAL MATTERS

Public Fee Discrepancy Resolution David Hollinshead addressed the fee calculation discrepancy identified by Rich in September. Investigation revealed:

- Error began in September 2025 with incorrect 5.3% rate applied to host fee
- Top-line amount not properly carried to second calculation line
- Two-month accumulated shortage totals \$3,900
- Correction will be included in November payment
- Hollinshead accepted responsibility for oversight failure

Audit Status Update The contracted auditor (Vance CPA) experienced health issues but has recovered and resumed work. Ms. Murphy has communicated with the auditor, who requested two additional information sets. The commission anticipates receiving both 2024 and 2025 audits for approval at the November meeting, pending completion of the auditor's work.

LEGAL UPDATE AND LITIGATION

Lawsuit Filed Against Republic Services Ms. Murphy announced that the commission filed a complaint in Loudon County Chancery Court today against Republic Services. Key details include:

- Complaint addresses longstanding public and commission concerns
- Currently in hold pattern - not yet served on Republic
- Procedural clocks will not begin until service is executed
- Complaint waited multiple months hoping issues would resolve without litigation
- Issues remain unresolved but meaningful discussions have begun

Potential Landfill Purchase Proposal Despite litigation filing, Republic Services plans to present a purchase proposal for the landfill. Ms. Murphy explained the anticipated structure:

- Proposal format will follow Republic's standard procedures rather than commission's expected format
- Negotiation period would address purchase terms and conditions
- Final agreement would require approval votes from both cities and the county
- Transaction would be structured similar to real estate deals with extended closing period
- Funding and finalization would not occur until closing, following Republic's standard practice

Addressing Public Concerns About Sale During Non-Compliance Ms. Murphy directly addressed recurring public questions about selling to Republic while they allegedly fail to meet contractual obligations:

"There's sort of this mentality of, well, if they're not meeting all their obligations, why would you sell it to them? Any kind of final deal would change and include hopefully terms that the commission and the city counties do not already have that are more protective for the community and more enforceable."

She used the road debris issue as an example: Current contract language allows Republic to argue they only must clean up debris after arrival rather than prevent it, with limited enforcement mechanisms. A purchase agreement could include:

- Stronger preventive maintenance requirements
- More robust enforcement provisions
- Reduced commission liability for day-to-day operational decisions

- Enhanced community protections with clearer performance standards

The proposal, if it materializes, would not be simply a sale but a comprehensive restructuring of the operational relationship with improved protections for stakeholders.

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WILDLIFE CONTROL PROGRAM

Vulture Management Update No formal update was provided this month. Chairman Waller noted he has not spoken recently with Justin Handy about vulture control activities. Commission members reported mixed observations:

- Some noted reduced vulture presence suggesting program effectiveness
- Others have not seen significant changes
- Justin Handy scheduled to provide comprehensive program update at November meeting
- Six-month contract period approaching conclusion around February 2026

EXECUTIVE SESSION

The commission entered executive session to discuss legal matters related to the filed complaint, potential litigation risks, and strategic considerations. No actions were taken during executive session. The commission returned to open session with no further business to discuss.

October 2025 Action Items

Item	Responsible Party	Target Date	Status
Complete 2024 and 2025 audits	Vance CPA/Staff	November	In Progress
Begin November paving project	Republic Services	November	Scheduled
Submit CB report for new cell modules	Republic Services	ASAP	Pending TDEC Review
Finalize toe drain engineering plans	Stoddard/Chris Cline	Ongoing	Nearly Complete
Authorize borrow pit soil classification	Chairman/Chris Cline	November	Decision Pending

Item	Responsible Party	Target Date	Status
Include Pond 2 sampling results in packet	Stoddard	November	Committed
Vulture control program presentation	Justin Handy	November	Scheduled
Correct September minutes spelling errors	Ms. Ross	Completed	Done
Process public fee discrepancy correction	Republic Services	November	Committed
Execute service of complaint	Legal Counsel	TBD	On Hold
Eastern perimeter ditch remediation	Republic Services	Ongoing	Part of Closure
Install additional leachate storage capacity	Republic Services	Within 1 year of approval	Required

Next Meeting

Date: November 21, 2025

Time: 6:00 p.m.

Location: Loudon County Annex Building

Anticipated Discussion Items: • 2024 and 2025 audit approvals • Vulture control program comprehensive update • Paving project progress report • Pond 2 water quality sampling results • New cell module TDEC approval status • Borrow pit soil classification authorization • Litigation status update • Republic purchase proposal (if available) • Toe drain engineering final plans

Meeting adjourned at approximately 7:08 p.m. by motion from Mr. Hendrix, seconded by Mr. Lawson. Motion approved unanimously.

Minutes respectfully submitted by Monty Ross, LCSWDC Interim Secretary

Chairman: Adam Waller, Loudon County Solid Waste Disposal Committee

Note: Full video of LCSWDC meeting available at: Loudon County Solid Waste Disposal Commission Meeting, October 17, 2025 (youtube.com)

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION

101 Mulberry Street, Loudon, TN 37774

All meetings will begin at 6:00PM

2026 Meeting Dates

January 15
February 19
March 19
April 16
May 21
June 18
July 16
August 20
September 17
October 15
November 19
December 17

*LCSWDC Meeting Agendas and Minutes are posted on the Loudon County Government Website.

*LCSWDC Meetings are records and viewable on the Loudon County Government YouTube channel.

Percentage of Revenue for Host Fee	5.50%
Percentage of Revenue for Closure Fee	5.00%
Solid Waste Fee per Ton	1.25

I. Loudon County Host fee - greater of revenue or ton calculation 10-210510

	<u>Revenue Calculation</u>	<u>Tons</u>
All Tons		16,474.53
- Exclude Tires		-
Tons subject to \$1 host fees		16,474.53
All revenue	517,168.80	
- Exclude Taxes revenue	18,859.36	
Revenue subject to host fees	498,309.44	
Host fee calculation		
5.5% of Revenue	27,407.02	
Minutes Payment	100.00	
- Min	10,750.00	
Fee less min	16,757.02	

II. Loudon County Closure Fee 10-210520

	<u>Revenue Calculation</u>
Tons	
All revenue	517,168.80
- Exclude Taxes revenue	18,859.36
Revenue subject to closure fees	498,309.44
Closure fee calculation	
Revenue - 5% of Revenue	24,915.47

II. State of TN - Solid waste disposal fee 10-210520

	<u>All</u>
All Tons	16,474.53
- Tires	0.00
Tons subject to fee	16,474.53
Calculate fees - \$1.25 per ton	20,593.16

Check Total

52,422.49

LE03-AWIN MANAGEMENT INC
 REPUBLIC SERVICES

No 20094514
 Check Date: 09/10/2025

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION PO BOX 351 LOUDON, TN 37774-0351				Vendor Number: 10014896	
INVOICE	DATE	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
LC 083125	08/31/2025	URG RTD 5106	\$52,422.49	\$0.00	\$52,422.49
Detach at perforation Before Depositing Check			TOTALS:	\$52,422.49	\$0.00
				\$52,422.49	

THIS IS A WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

REPUBLIC SERVICES
 LE03-AWIN MANAGEMENT INC
 18500 NORTH ALLIED WAY
 PHOENIX ARIZONA 85054

Bank of America
 52-153/112 ME

Check Date
 09/10/2025

Number
 20094514

PAY FIFTY-TWO THOUSAND FOUR HUNDRED TWENTY-TWO AND 49/100 DOLLARS*****

Amount
 \$***52,422.49

Void after 180 Days

PAY
 TO THE
 ORDER OF

LOUDON COUNTY SOLID WASTE
 DISPOSAL COMMISSION
 PO BOX 351
 LOUDON, TN 37774-0351

[Signature]
 Authorized Signatory

⑈0020094514⑈ 1:0112065391: 000080231000⑈

Summary Material Activity Report

August 01, 2025 to August 31, 2025

All Materials

All Facilities

All Ticket Types
History and Waiting
* - Confirmed Qty Applied to Billing

Material	Weight		Volume		Count		Billing Qty	Material Total	Tax Total	Total	Item Count	Ticket Count
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound						
MSW	6,084.22	0.00 TN	10.00	0.00 YD	0.00	0.00	6,084.22 TN	\$199,447.31	\$6,602.53	\$206,049.84	1112	
C&D	3,125.82	0.00 TN	150.00	0.00 YD	0.00	0.00	3,125.82 TN	\$146,731.34	\$3,307.18	\$150,038.52	1583	
C&D	1,415.48	0.00 TN	4,800.00	0.00 YD	0.00	0.00	4,800.00 YD	\$30,000.00	\$1,769.47	\$31,769.47	179	
C&D-SHINGLES	7.88	0.00 TN	0.00	0.00 YD	0.00	0.00	7.88 TN	\$400.22	\$9.85	\$410.07	2	
C&D - DISASTER DEBRIS	31.63	0.00 TN	0.00	0.00 YD	0.00	0.00	31.63 TN	\$1,656.34	\$0.00	\$1,656.34	8	
YARD WASTE/COMPOST	110.91	0.00 TN	0.00	0.00 YD	0.00	0.00	110.91 TN	\$3,709.59	\$138.70	\$3,848.29	39	
TIRE	0.00	0.00 TN	0.00	0.00 YD	1,208.00	0.00	1,208.00 EA	\$1,570.40	\$0.00	\$1,570.40	39	
TIRE	0.00	55.79 TN	0.00	0.00 YD	0.00	0.00	55.79 TN	\$0.00	\$0.00	\$0.00	3	
MATTRESS\BOX SPRING	0.00	0.00 TN	0.00	0.00 YD	13.00	0.00	13.00 EA	\$286.00	\$0.00	\$286.00	7	
ANIMAL	14.48	0.00 TN	0.00	0.00 YD	0.00	0.00	14.48 TN	\$784.20	\$18.11	\$802.31	10	
SW INDUSTRIAL	224.13	0.00 TN	0.00	0.00 YD	0.00	0.00	224.13 TN	\$8,698.48	\$280.21	\$8,978.69	36	
SW-ASBESTOS-NON FRIABLE	25.88	0.00 TN	0.00	0.00 YD	0.00	0.00	25.88 TN	\$1,508.88	\$24.68	\$1,533.56	10	
SW-OFF SPEC MATERIAL	276.32	0.00 TN	0.00	0.00 YD	0.00	0.00	276.32 TN	\$10,494.42	\$345.42	\$10,839.84	87	
SW-SLUDGE	12.71	0.00 TN	0.00	0.00 YD	0.00	0.00	12.71 TN	\$393.51	\$15.89	\$409.40	2	
SW-SLUDGE-WWTP-MUNICIPAL	199.58	0.00 TN	0.00	0.00 YD	0.00	0.00	199.58 TN	\$7,713.65	\$233.62	\$7,947.27	21	
SW-SLUDGE-WWTP-INDUSTRIAL	409.43	0.00 TN	0.00	0.00 YD	0.00	0.00	409.43 TN	\$11,075.06	\$511.77	\$11,586.83	22	
SW-FILTER CAKE	12.20	0.00 TN	0.00	0.00 YD	0.00	0.00	12.20 TN	\$728.61	\$15.26	\$743.87	3	
SW-FILTER OTHER	1,000.51	0.00 TN	0.00	0.00 YD	0.00	0.00	1,000.51 TN	\$13,807.04	\$1,250.70	\$15,057.74	90	
SW-PLANT TRASH	357.13	0.00 TN	0.00	0.00 YD	0.00	0.00	357.13 TN	\$14,240.32	\$422.91	\$14,663.23	182	
SW-SANDBLASTING MEDIA	35.87	0.00 TN	0.00	0.00 YD	0.00	0.00	35.87 TN	\$1,865.24	\$0.00	\$1,865.24	3	
SW DAILY COVER	3,130.35	0.00 TN	0.00	0.00 YD	0.00	0.00	3,130.35 TN	\$43,198.83	\$3,913.06	\$47,111.89	182	
	16,474.53	55.79 TN	4,960.00	0.00 YD	1,221.00	0.00	1,221.00 EA 15,114.84 TN 4,800.00 YD	\$498,309.44	\$18,859.36	\$517,168.80	3620	3613



September 1, 2025

Loudon County Solid Waste Disposal Commission
Attn: Chief Deputy Clerk
101 Mulberry Street Suite 203
Loudon, TN 37774

Dear Trustee:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Second Amendment Section 10.6 dated July 12, 2022, 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 of August 2025:

<u>Host Fees (Greater of below)</u>			
Total Tip Fees Billed	\$517,168.80	Total Tonnage Received	16,474.53
Host Fee Percentage	5.5%	Rate per Ton	<u>\$1.00</u>
	\$27,407.02		\$16,474.53
Minimum Fee	\$10,750.00		
	=====		

<u>Security Fees</u>	
Total Tip Fees Billed	\$498,309.44
Security Fee Percentage	<u>5%</u>
	\$24,915.47
	=====

<u>Minutes Payment</u>	
Loudon County Minutes	\$100.00
	=====

Total amount to be received	\$52,422.49
	=====

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,

David L. Hollinshead
Manager Municipal Sales
Republic Services

Host fees, State Fees & Royalties accrual

I. Loudon County Host fee - greater of revenue or ton calculation 10-210510

	<u>Revenue Calculation</u>	<u>Tons</u>
All Tons		16,364.43
- Exclude Tires		-
Tosn subject to \$1 host fees		16,364.43
All revenue	527,809.83	
- Exclude Taxes revenue	18,848.94	
Revenue subject to host fees	508,960.89	
Host fee calculation		
5.5% of Revenue	27,992.85	
Minutes Payment	100.00	
- Min	10,750.00	
Fee less min	17,342.85	

II. Loudon County Closure Fee 10-210520

	<u>Revenue Calculation</u>
Tons	
All revenue	527,809.83
- Exclude Taxes revenue	18,848.94
Revenue subject to closure fees	508,960.89
Closure fee calculation	
Revenue - 5% of Revenue	25,448.04

II. State of TN - Solid waste disposal fee 10-210520

	<u>All</u>
All Tons	16,364.43
- Tires	0.00
Tons subject to fee	16,364.43
Calculate fees - \$1.25 per ton	20,455.54

Check Total

53,540.89

LE03-AWIN MANAGEMENT INC
 REPUBLIC SERVICES

No 20097392
 Check Date: 10/15/2025

LOUDON COUNTY SOLID WASTE DISPOSAL COMMISSION PO BOX 351 LOUDON, TN 37774-0351				Vendor Number: 10014896	
INVOICE	DATE	DESCRIPTION	GROSS AMOUNT	DISCOUNT	NET AMOUNT
LC 093025	09/30/2025	URG RTD 5106	\$53,540.89	\$0.00	\$53,540.89
TOTALS:			\$53,540.89	\$0.00	\$53,540.89

Detach at perforation Before Depositing Check

THIS IS A WATERMARKED PAPER - DO NOT ACCEPT WITHOUT NOTING WATERMARK - HOLD TO LIGHT TO VERIFY WATERMARK

REPUBLIC SERVICES
 LE03-AWIN MANAGEMENT INC
 18500 NORTH ALLIED WAY
 PHOENIX ARIZONA 85054

Bank of America
 52-153/112 ME

Check Date
 10/15/2025

Number
 20097392

PAY FIFTY-THREE THOUSAND FIVE HUNDRED FORTY AND 89/100 DOLLARS*****

Amount
 \$***53,540.89

Void after 180 Days

PAY TO THE ORDER OF
 LOUDON COUNTY SOLID WASTE
 DISPOSAL COMMISSION
 PO BOX 351
 LOUDON, TN 37774-0351

[Signature]
 Authorized Signature

⑈0020097392⑈ ⑆011201539⑆ 000080231000⑈

Summary Material Activity Report

September 01, 2025 to September 30, 2025

All Materials

All Ticket Types
History and Waiting

All Facilities

* - Confirmed Qty Applied to Billing

Material	Weight		Volume		Count		Billing Qty	Material Total	Tax Total	Total	Item Count	Ticket Count
	Inbound	Outbound	Inbound	Outbound	Inbound	Outbound						
MSW	6,051.27	0.00 TN	30.00	0.00 YD	0.00	0.00	6,051.27 TN	\$200,187.36	\$6,526.60	\$206,713.96	1162	
C&D	3,229.95	0.00 TN	480.00	0.00 YD	0.00	0.00	3,229.95 TN	\$152,593.17	\$3,579.62	\$156,172.79	1493	
C&D	965.51	0.00 TN	4,360.00	0.00 YD	0.00	0.00	4,360.00 YD	\$27,250.00	\$1,207.03	\$28,457.03	159	
C&D-SHINGLES	6.87	0.00 TN	0.00	0.00 YD	0.00	0.00	6.87 TN	\$349.50	\$8.60	\$358.10	3	
C&D - DISASTER DEBRIS	27.72	0.00 TN	0.00	0.00 YD	0.00	0.00	27.72 TN	\$1,448.38	\$0.00	\$1,448.38	5	
YARD WASTE/COMPOST	91.71	0.00 TN	0.00	0.00 YD	0.00	0.00	91.71 TN	\$2,869.50	\$114.68	\$2,984.18	37	
TIRE	0.00	0.00 TN	0.00	0.00 YD	842.00	0.00	842.00 EA	\$1,094.60	\$0.00	\$1,094.60	23	
TIRE	0.00	21.05 TN	0.00	0.00 YD	0.00	0.00	21.05 TN	\$0.00	\$0.00	\$0.00	2	
MATTRESS\BOX SPRING	0.00	0.00 TN	0.00	0.00 YD	35.00	0.00	35.00 EA	\$770.00	\$0.00	\$770.00	8	
ANIMAL	14.45	0.00 TN	0.00	0.00 YD	0.00	0.00	14.45 TN	\$741.03	\$18.05	\$759.08	8	
SW INDUSTRIAL	235.22	0.00 TN	0.00	0.00 YD	0.00	0.00	235.22 TN	\$9,466.41	\$294.07	\$9,760.48	37	
SW-ASBESTOS-NON FRIABLE	40.67	0.00 TN	0.00	0.00 YD	0.00	0.00	40.67 TN	\$2,157.30	\$32.99	\$2,190.29	11	
SW-OFF SPEC MATERIAL	299.33	0.00 TN	0.00	0.00 YD	0.00	0.00	299.33 TN	\$11,826.74	\$374.26	\$12,201.00	95	
SW-SLUDGE	12.97	0.00 TN	0.00	0.00 YD	0.00	0.00	12.97 TN	\$401.55	\$16.21	\$417.76	2	
SW-SLUDGE-WWTP-MUNICIPAL	161.68	0.00 TN	0.00	0.00 YD	0.00	0.00	161.68 TN	\$7,142.51	\$202.13	\$7,344.64	15	
SW-SLUDGE-WWTP-INDUSTRIAL	436.57	0.00 TN	0.00	0.00 YD	0.00	0.00	436.57 TN	\$11,809.23	\$545.74	\$12,354.97	25	
SW-FILTER CAKE	40.03	0.00 TN	0.00	0.00 YD	0.00	0.00	40.03 TN	\$2,496.67	\$50.05	\$2,546.72	4	
SW-FILTER OTHER	1,059.28	0.00 TN	0.00	0.00 YD	0.00	0.00	1,059.28 TN	\$14,618.12	\$1,324.12	\$15,942.24	92	
SW-PLANT TRASH	359.95	0.00 TN	0.00	0.00 YD	0.00	0.00	359.95 TN	\$14,620.06	\$428.16	\$15,048.22	169	
SW-SANDBLASTING MEDIA	30.04	0.00 TN	0.00	0.00 YD	0.00	0.00	30.04 TN	\$1,562.08	\$0.00	\$1,562.08	2	
SW DAILY COVER	3,301.21	0.00 TN	0.00	0.00 YD	0.00	0.00	3,301.21 TN	\$45,556.68	\$4,126.63	\$49,683.31	195	
	16,364.43	21.05 TN	4,870.00	0.00 YD	877.00	0.00	877.00 EA 15,419.97 TN 4,360.00 YD	\$508,960.89	\$18,848.94	\$527,809.83	3547	3541



October 1, 2025

Loudon County Solid Waste Disposal Commission
Attn: Chief Deputy Clerk
101 Mulberry Street Suite 203
Loudon, TN 37774

Dear Trustee:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Second Amendment Section 10.6 dated July 12, 2022, 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 of September 2025:

<u>Host Fees (Greater of below)</u>			
Total Tip Fees Billed	\$527,809.83	Total Tonnage Received	16,364.43
Host Fee Percentage	5.5%	Rate per Ton	<u>\$1.00</u>
	\$27,992.85		\$16,364.43
Minimum Fee	\$10,750.00		
	=====		
<u>Security Fees</u>			
Total Tip Fees Billed	\$508,960.89		
Security Fee Percentage	<u>5%</u>		
	\$25,448.04		
	=====		
<u>Minutes Payment</u>			
Loudon County Minutes	\$100.00		
	=====		
Total amount to be received	\$53,540.89		
	=====		

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,

David L. Hollinshead
Manager Municipal Sales
Republic Services



Explore the Process **2025**

Delivering Green, Clean, Sustainable Waste Fuel Innovations



Landfills: A Toxic Threat to Our Environment

- 3rd Largest Source of Climate Change
- Water & Soil Contamination
- 146 Million Tons of MSW per year



Who We Are

A leading green tech innovator converting municipal solid waste into sustainable fuels, achieving 85% landfill diversion in 30 minutes!

Our Core Purpose

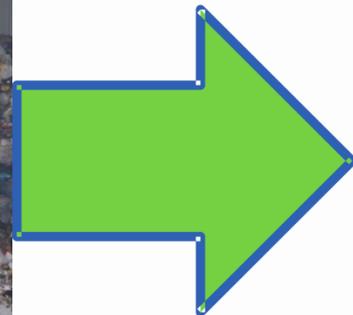
To Make Good Use of Waste



Anybody Can Grind Garbage. We manufacture fuel!

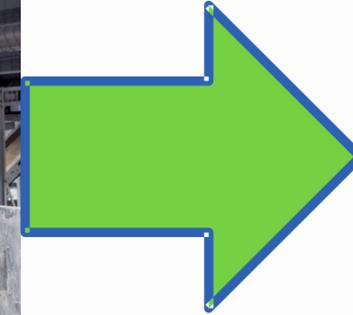
Inputs

- Unsorted MSW
- Black Bin Waste
- Food Waste
- Other similar wastes



Plastics and Metals:

Recycled, inerts removed and converted to Cellulate



Cellulate Feedstock:

Sterile, consistent, high - energy product – used as biomass fuel or compost



Building a Greener Future for Cities ...

- Developing processing plants in Murfreesboro, TN & Kern County (Bakersfield), CA that will divert 85% of the city's trash from landfills!
- They will recycle 400 tons of Municipal Solid Waste into fuel each day!
- Our tech removes metals & plastics for recycling



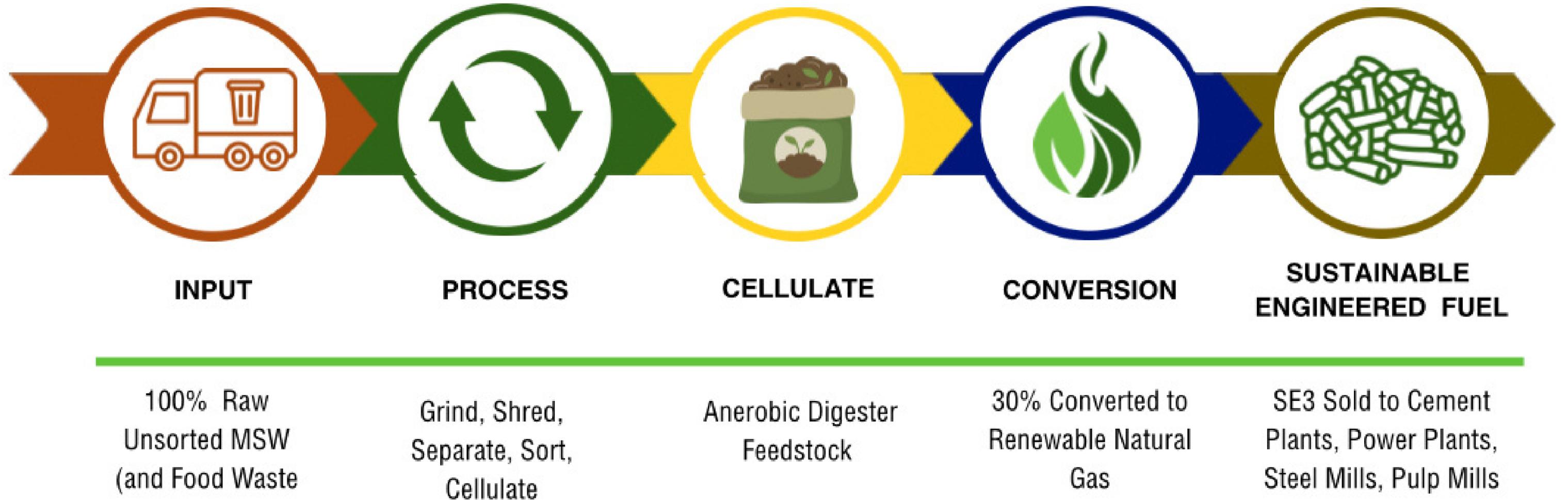
Building a Greener Future for Cities ...

Converts remaining waste into a variety of fuel products:

- Proven, high-BTU coal replacement
 - Biofuels
 - Renewable Natural Gas (RNG)
 - Soil Additive



We Repower Existing Plants with RNG & Negative Carbon Coal Replacement



Anaerobic Digesters: Game Changers

- ✓ High Solid Continuous Plug Flow Digester
- ✓ Digester converts Cellulose into Biogas
- ✓ Landfill Gas Collection: 28 days vs. 10 years!
- ✓ Biogas cleaned and compressed into RNG
- ✓ Digestate screened and reformed into SE3 or compost



We Have the Numbers ...

85%

Landfill
Diversion

20+

U.S. and
International
Patents

20

Years of
waste -to -fuel
production

100%

Food Waste
Processing

M+

Tons of Reduction
in Carbon
Emissions

70%

of MSW to
Fuel

0

Pathogens or Odors
in High BTU Fuel
Products

400

Tons | Day
Processed @
Each Plant



Our Technology Works!

- Began with Army Corps of Engineers
- 27+ US & International Patents
- 20-yrs of Successful Operations
- Technical Feasibility & Confirmation of Viability



Kanadevia

Awards



PRODUCT DEVELOPMENT AWARD



One WāstAway Plant Yields...



-96K

Automobiles

-866B Pounds

of CO2 from the Air

+517K Acres

of Clean Oxygen



wāst  Away

Contact tsmith@WastAway.com

wāst  Away

APPENDIX



About Us

Founded in 2003 as a subsidiary of Bouldin Corporation, which began in 1959 as a manufacturer of agricultural and horticultural machinery for the greenhouse and nursery industries.





Always a Good Neighbor

- No Odors or Noise from WastAway Facility
- All MSW Handled Indoors and Processed
- Convenient Drop Off Centers Can Be Integrated



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
Division of Solid Waste Management
Knoxville Environmental Field Office
3711 Middlebrook Pike, Suite 101
Knoxville, Tennessee 37921-6538

November 4, 2025

Mr. Adam Waller
Chair, Loudon County Solid Waste Disposal Commission
100 River Road #106
Loudon, TN 37774

**RE: Matlock Bend/Loudon County Active Class I, SNL530000203, Loudon County
1st Semiannual 2025 Groundwater Monitoring Report – Report Review**

Dear Mr. Waller,

The Division of Solid Waste Management (the Division) has reviewed the 1st Semiannual 2025 groundwater monitoring report dated September 29, 2025, for the Matlock Bend/Loudon County Active Class I SNL530000203. The Ground Water Monitoring Report Review Checklist, which documents the Division's review and summation of the subject report, is enclosed.

Summary of analytical findings:

- Turbidity was high in MW-4R (201) and MW-01 (77.7).
- Nitrate detections were reported as follows: MW-1 (1.28 mg/L), MW-1A (3.99 mg/L), MW-2 (5.37 mg/L), and MW-3 (3.39 mg/L).
- Cobalt was detected above RSL (0.006 mg/L) in MW-3 (0.0575 mg/L). Cobalt was reported at a much lower concentration of 0.0117 mg/L at the August 28, 2025, sampling event. This facility has an ASD for Zinc and Cobalt.
- The Spring exceeded RSL for cobalt (0.0116 mg/L). This facility has an ASD for Zinc and Cobalt.
- Cobalt was detected above RSL (0.006 mg/L) in MW-4R (0.0299 mg/L). This facility has an ASD for Zinc and Cobalt.
- Southwest spring (Purdy) had high concentrations of chloride (720 mg/L), exceeded GWPS for arsenic (0.0205 mg/L), exceeded the RSL for cobalt (0.0168 mg/L). 1,4-Dichlorobenzene (0.00109 ug/L) was also detected in the initial sample. Re-sample of the Southwest Spring (Purdy Spring) did not detect 1,4-Dichlorobenzene.
- Statistically Significant Increases: An SSI was noted for zinc at MW-4R, however, the well was dry for the verification attempt. An SSI was noted for lead at MW-01. Upon re-sample (8/28/2025) Lead was not detected. A re-development was performed at MW-01 in conjunction with the current monitoring event to reduce turbidity. An SSI was noted for nickel at MW-02. Upon re-sample (8/28/2025) the SSI was verified. SSIs for arsenic, cobalt, and lead were noted at MW-03. This facility has an ASD for Zinc and Cobalt. A re-development was performed at MW-03 in an effort to reduce turbidity. Upon re-sample (8/28/2025) Arsenic and lead were non-detect. Cobalt was confirmed SSI.

The Division appreciates the addition of sampling the Southwest Spring (Purdy Spring), please continue to sample The Spring during every sampling event.

Due to the detection of 1,4-Dichlorobenzene, and high concentrations of chloride, arsenic, and cobalt in the Southwest Spring (Purdy Spring) The Division requires the Southwest Spring (Purdy Spring) to be sampled quarterly until further notice.

The facility will remain in assessment monitoring at this time. If you have any questions, please do not hesitate to contact me by phone: (865) 304-0603, or by email: molly.stanford@tn.gov.


Molly Stanford (Nov 4, 2025 08:24:32 EST)

Molly Stanford
Environmental Scientist


Revendra Awasthi (Nov 4, 2025 08:53:12 EST)

Revendra Awasthi, CHMM
Environmental Field Office Manager

Enc. Groundwater Monitoring Checklist

- cc. Lindsey Turtle, General Manager, Republic Services, Electronic
Stoddard Pickrell, Environmental Manager, Republic Services, Electronic
Jessica Preston, Senior Manager, Hydrogeology, Republic Services, Electronic
Michael Johnson, P.G., Civil & Environmental Consultants, Inc., Electronic
Rob Ashe, Deputy Director of Field Operations, DSWM, via email
Records.SWM@tn.gov

GROUNDWATER SAMPLING EVENT REPORT REVIEW FACILITY _____

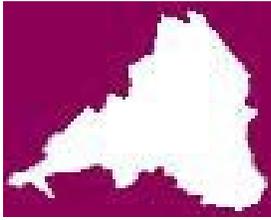
SAMPLING EVENT DATE(S) _____

<p>Use of the following sampling methods is required: <i>Rule 0400-11-01-.04(7)(a)4.(v)</i></p>			<p>Method used:</p>
<p>Use of the following sampling methods is required: <i>Rule 0400-11-01-.04(7)(a)5.(iii)</i></p>			<p>Fluoride [] Chloride [] Sulfate [] Nitrate []</p>
<p>Inorganics exceed the MCLs or GW protection std <i>Rule 0400-11-01-.04(7)(a)1.</i> <i>And .04(7)(b, or c) as appropriate</i></p> <p style="text-align: right;">Expandable Notes</p>			<p>Parameter(s)/MCL or standard (Well/Concentration):</p>
<p>VOC's present in the ground water analysis <i>Rule 0400-11-01-.04(7)(a)4(viii)</i></p> <p style="text-align: right;">Expandable Notes</p>			<p>Parameter(s) (Well/Concentration):</p>
<p>VOC's (if present) exceed MCLs or GW protection std <i>Rule 0400-11-01-.04(7)(a)1.</i> <i>And .04(7)(b, or c) as appropriate</i></p>			<p>Parameter(s)/MCL or standard(Well/Concentration):</p>
<p>Facility has a statistically significant exceedance of 1 or more parameter? <i>Rule 0400-11-01-.04(7)(a)4(viii) and (ix)</i> <i>Rule 0400-11-01-.04(7)(a)5(iii)</i></p>			<p>Parameter(s) (Well/Concentration):</p>

Reviewed by: _____ Signature: Molly Stanford Digitally signed by Molly Stanford
Date: 2025.11.04 09:19:38 -05'00' Date: _____

Peer Reviewed by: _____ Signature: _____ Date: _____

GENERAL COMMENTS



Loudon County Planning & Codes Enforcement
101 Mulberry Street, Suite 101
Loudon, TN 37774 865-458-2055

Rezoning Application Form

Loudon County Solid Waste Disposal Commission 100 River Road #106 Loudon, TN 37774 865-591-4446

Property Owner Address Phone

Applicant If Different Address Phone

Email waller@loudoncounty-tn.gov

PROPERTY INFORMATION

Tax Map 039 Parcel 29 & 26 Group _____ Location 21884 HWY 72 N
 Tax Map: 031 Parcel: 47
 Legislative District 1 Total Acreage 98.69 (based on the TN Property Veiwier Data)
 Existing Utilities: Water No Sewer No Septic No Well No

TYPE OF REQUEST

REZONING: Current Zoning District: A-1 Proposed Zoning District: CFD

Current Use:

Parcels 039 26 and 031 47 are undeveloped wooded areas. Parcel 039 29 includes an uninhabited single family dwelling.

Proposed Use:

A private soil borrow area for the adjacent solid waste landfill.

Amount Paid \$: 500.00

Fee Schedule: \$15.00 per acre (Min \$200.00; Max \$500.00) Receipt Number: _____

Being the applicant to this request, I attest that the information herein contained is accurate to the best of my knowledge. I hereby acknowledge that I am the owner of said property or have the authority to act as an agent for the owner. Payment submitted as part of this application is nonrefundable and is not a guarantee of approval of the request being considered by the Planning Department and Planning Commission. Application and payment must be received prior to review.

Signed: _____ Dated: _____



November 20, 2025

Mr. Adam Waller
Chairman
Loudon County Solid Waste Disposal Committee
100 River Road #106
Loudon, TN 37774

RE: Hydrologic / Jurisdictional Determinations for the Western Pond Drainage Feature Review
Matlock Bend Landfill SNL530000203
Loudon County, Tennessee

Dear Mr. Waller:

At the request of the commission, CCI was tasked with reviewing Hydrologic / Jurisdictional Determinations for the Western Pond Drainage Feature. Three hydrological surveys were previously completed on a non-contiguous hydrologic feature that is a direct discharge of the western storm pond of the Matlock Bend Lanfill. This feature spans across three separate properties, from east to west, the property of the current Matlock Bend Landfill, a property owned by the Tennessee National Golf Community, and an adjacent property owned by the Loudon County Solid Waste Commission (possible site of a future landfill expansion).

The following are a summary of the findings from the three hydrological surveys; Jan 2022 CEC Hydrological Determination, December 2022 Barge Hydrological Determination, and May 2025 Jurisdictional Determination (Draft). In general, from upstream (east) to downstream (west) the feature is defined as: a perennial stream, year-round stream; to an intermittent stream, a seasonal stream; then to an ephemeral stream, a rain dependent stream. If you feel there is any further discussion necessary, please feel free to reach out.

Sincerely,

Chris Cline, P.E.
Project Manager

EXECUTIVE SUMMARY

Three hydrological surveys were previously completed on a non-contiguous hydrologic feature that is a direct discharge of the western storm pond of the Matlock Bend Lanfill. This feature spans across three separate properties, from east to west, the property of the current Matlock Bend Landfill, a property owned by the Tennessee National Golf Community, and an adjacent property owned by the Loudon County Solid Waste Commission (possible site of a future landfill expansion).

The following are a summary of the findings from the three hydrological surveys; Jan 2022 CEC Hydrological Determination, December 2022 Barge Hydrological Determination, and May 2025 Jurisdictional Determination (Draft). In general, from upstream (east) to downstream (west) the feature is defined as: a perennial stream, year-round stream; to an intermittent stream, a seasonal stream; then to an ephemeral stream, a rain dependent stream.

The difficulty of the findings is how to redirect or mitigate the downstream portion of the feature such that the upper reach, the perennial stream, will continue to support the aquatic life present. These efforts would be dependent on the plan for future development for the proposed landfill.



LOUDON COUNTY MATLOCK BEND JURISDICTIONAL DETERMINATION JANUARY 20, 2022 – CIVIL & ENVIRONMENTAL CONSULTANTS, INC. (CEC)

January 2022 – CEC completed a Hydrologic Determination of five (5) features on the current property of the Matlock Bend Landfill. For full comparison this review has been reduced to the feature that is immediately downstream of the western storm pond of the Matlock Bend Landfill. As part of the CEC hydrologic determination, this 152-foot feature was determined to be a Perineal Stream based on the stream being mapped on a USGS hydrography database and contains indicators of non-Gambusia fish. Figure 1 is a study map figures 2 and 3 are copies of the evaluation form.

Figure 1 – CEC Study Map

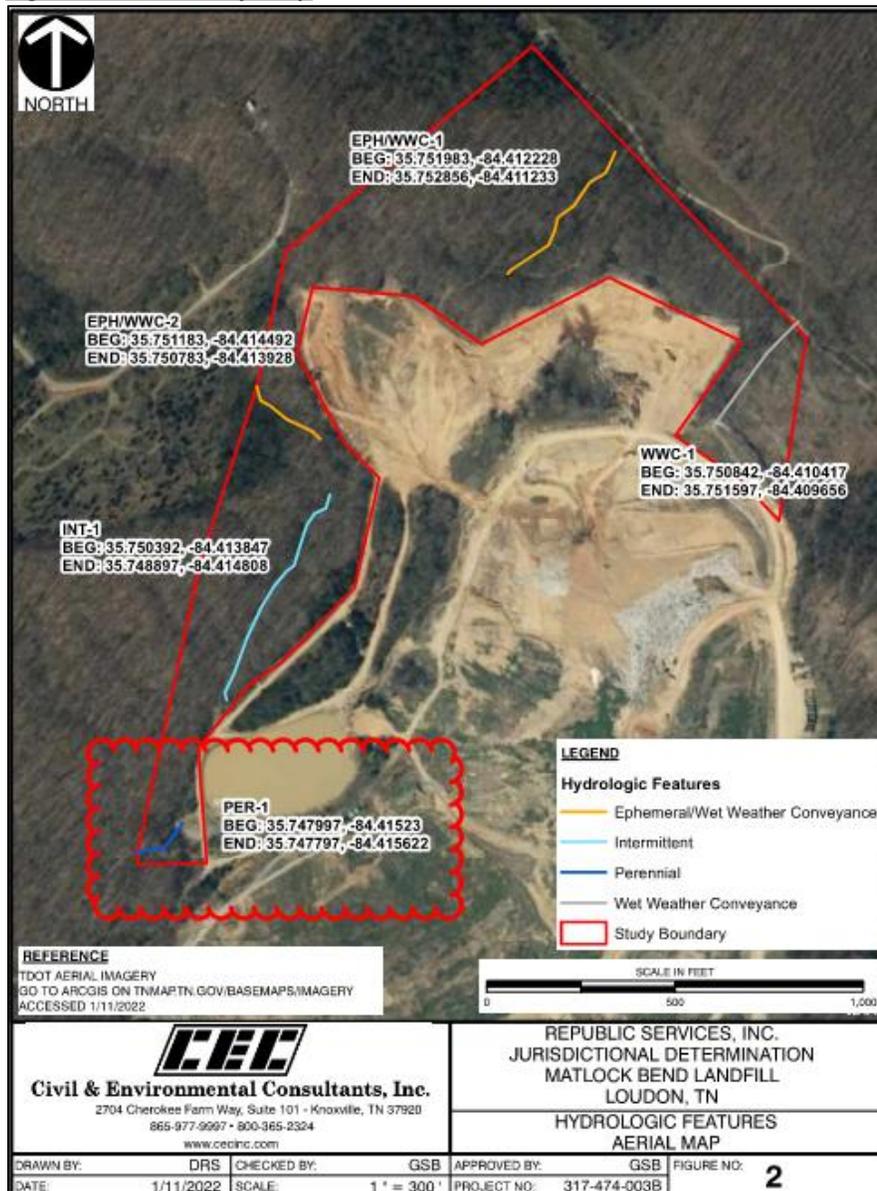




Figure 2 – CEC Primary Evaluation

 Tennessee Department of Environment and Conservation - Division of Water Resources 312 Rosa L. Parks Ave. 11th Floor, Nashville, TN 37243 Hydrologic Determination Field Data Sheet Tennessee Division of Water Resources, Version 1.5 (Fillable Form)		
Named Waterbody: N/A		Date/Time: 1/5/2022
Assessors/Affiliation: D. Spradlin / Civil & Environmental Consultants, Inc.		Project ID : PER-1
Site Name/Description: Matlock Bend Landfill		
Site Location: Loudon, TN		
HUC (12 digit): 060102010303 - Pond Creek	Latitude: 35.750392	
Previous Rainfall (7-days) : 4.36	Longitude: -84.413847	
Precipitation this Season vs. Normal : average Antecedent Precipitation Tool		
Source of recent & seasonal precip. data :		
Watershed Size : <0.15 sq mi	County: Loudon	
Soil Type(s) / Geology : Greendale (Gc)	Source: NRCS	
Surrounding Land Use : Landfill/Forest		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Slight		
Primary Field Indicators Observed		
Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions N/A	<input type="checkbox"/>	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream
<p>NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.</p> <p>In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.</p> <p>Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in <i>TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5</i></p>		
Overall Hydrologic Determination = STREAM Secondary Indicator Score (if applicable) =		
Justification / Notes : <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>		



Figure 3 – CEC Secondary Evaluation

Secondary Field Indicator Evaluation					
A. Geomorphology (Subtotal = 0.00)					
	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	0
2. Sinuous channel	0	1	2	3	0
3. In-channel structure: riffle-pool sequences	0	1	2	3	0
4. Sorting of soil textures or other substrate	0	1	2	3	0
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	0
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0
9. Natural levees	0	1	2	3	0
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0
12. Natural valley or drainageway	0	0.5	1	1.5	0
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	0
B. Hydrology (Subtotal = 0.00)					
	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	0
15. Water in channel and >48 hours since sig. rain	0	1	2	3	0
16. Leaf litter in channel (January – September)	1.5	1	0.5	0	0
17. Sediment on plants or on debris	0	0.5	1	1.5	0
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		0
C. Biology (Subtotal = 0.00)					
	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	0
21. Rooted plants in the thalweg ¹	3	2	1	0	0
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0
¹ Focus is on the presence of terrestrial plants. ² Focus is on the presence of aquatic or wetland plants.					
Total Points = 0.00					
<i>Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points</i>					
Notes :					



HYDROLOGIC DETERMINATION REQUEST PACKAGE FOR TENNESSEE NATIONAL GOLF CLUB

NOVEMBER 30, 2022 – BARGE DESIGN SOLUTIONS (BARGE)

November 2022 – Barge completed a Hydrologic Determination of numerous features on the current property of the Tennessee National Golf Community. Specifically for full comparison this review has been reduced to the feature that is immediately downstream of the western storm pond of the Matlock Bend Landfill. As part of the Barge hydrologic determination this section of the feature, STR-1, was observed as an intermittent stream. The delineated stream contained flowing water at the time of the inspection and appears to originate from a stormwater retention pond located in the Loudon Landfill. Bed and bank are moderately present throughout the inspected reach, as well as OHWI indicators. STR-1 was determined to be an intermittent stream based on the presence of flowing water and greater than 7 days since last precipitation greater than 0.1 inches, a primary stream indicator. STR-1 had a channel bottom composed of silt, sand, and gravel. STR-1 is assumed to be jurisdictional to TDEC and the USACE. Figure 4 is a study map figure 4 and figure 5 is a copy of the evaluation form.

Figure 4 – Barge Study Map

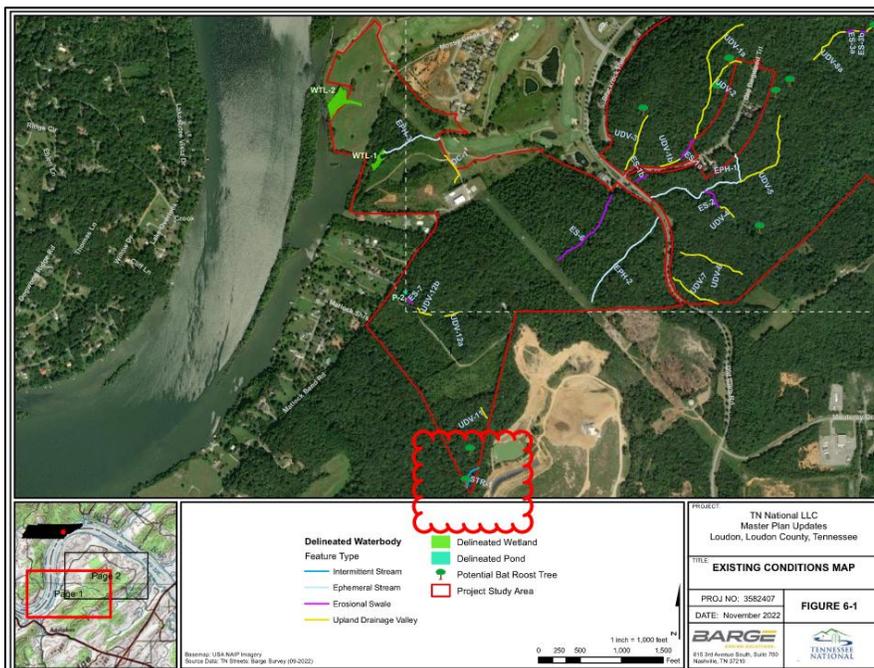




Figure 5 – Barge Primary Evaluation

Hydrologic Determination Field Data Sheet		
Tennessee Division of Water Pollution Control, Version 1.5		
Named Waterbody: STR-1	Date/Time: 9/27/2025 16:30	
Assessors/Affiliation: Barge Design Solutions - Frank Amatucci (TN DHP 1203-TN21), Cameron Brueck	Project ID : 3582407	
Site Name/Description: TN National - Master Plan Update		
Site Location: Loudon, Loudon County, TN		
HUC (12 digit): 060102010303	Lat/Long: 35.747835, -84.415592	
Previous Rainfall (7-days) : <0.01 inches (CoCoRaHS #TN-LN-11)	35.747201, -84.416101	
Precipitation this Season vs. Normal : abnormally wet <input type="checkbox"/> elevated <input checked="" type="checkbox"/> average <input type="checkbox"/> low <input type="checkbox"/> abnormally dry <input type="checkbox"/> unknown <input type="checkbox"/>	Source of recent & seasonal precip data : <input type="checkbox"/>	
Watershed Size : 0.15 sq mi (USGS Stream Stats)	County: Loudon	
Soil Type(s) / Geology : Gc	Source: NRCS	
Surrounding Land Use : Residential, commercial, woodland, and electric utility easement		
Degree of historical alteration to natural channel morphology & hydrology (circle one & describe fully in Notes) : Severe <input type="checkbox"/> Moderate <input type="checkbox"/> Slight <input checked="" type="checkbox"/> Absent <input type="checkbox"/>		
Primary Field Indicators Observed		
Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC <input type="checkbox"/>
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC <input type="checkbox"/>
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input checked="" type="checkbox"/>	WWC <input type="checkbox"/>
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC <input type="checkbox"/>
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream <input type="checkbox"/>
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream <input type="checkbox"/>
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream <input type="checkbox"/>
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input type="checkbox"/>	Stream <input checked="" type="checkbox"/>
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream <input type="checkbox"/>
<p>NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.</p> <p>In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.</p> <p>Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in <i>TDEC-WPC Guidance For Making Hydrologic Determinations, Version 1.5</i></p>		
Overall Hydrologic Determination = STREAM		
Secondary Indicator Score (if applicable) =		
Justification / Notes :		
Overall hydrologic determination is STREAM based on primary indicators		
- Flowing water observed in the channel and <0.01 inches of rain within the last 7 days		
- Appears to originate at fairly large pond located outside of the site boundaries		



MATLOCK BEND LANDFILL JURISDICTIONAL DETERMINATION REQUEST (DRAFT)

MAY 2, 2025 – HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. (HHNT)

May 2025 – HHNT drafted a Jurisdictional Determination of seven (7) features on the current property adjacent to the Matlock Bend Landfill. For full comparison this review includes all seven features due to being located immediately downstream of the western storm pond of the Matlock Bend Landfill. As part of the HHNT hydrologic determination nearly 2,000 feet of the feature was determined to be a Ephemeral or Intermittent Stream based on geomorphological, hydrological and biological parameters. Maps are provided in figures 6 and 7. Full report was provided to the commission previously.

Figure 6 – HHNT Study Map (USGS)

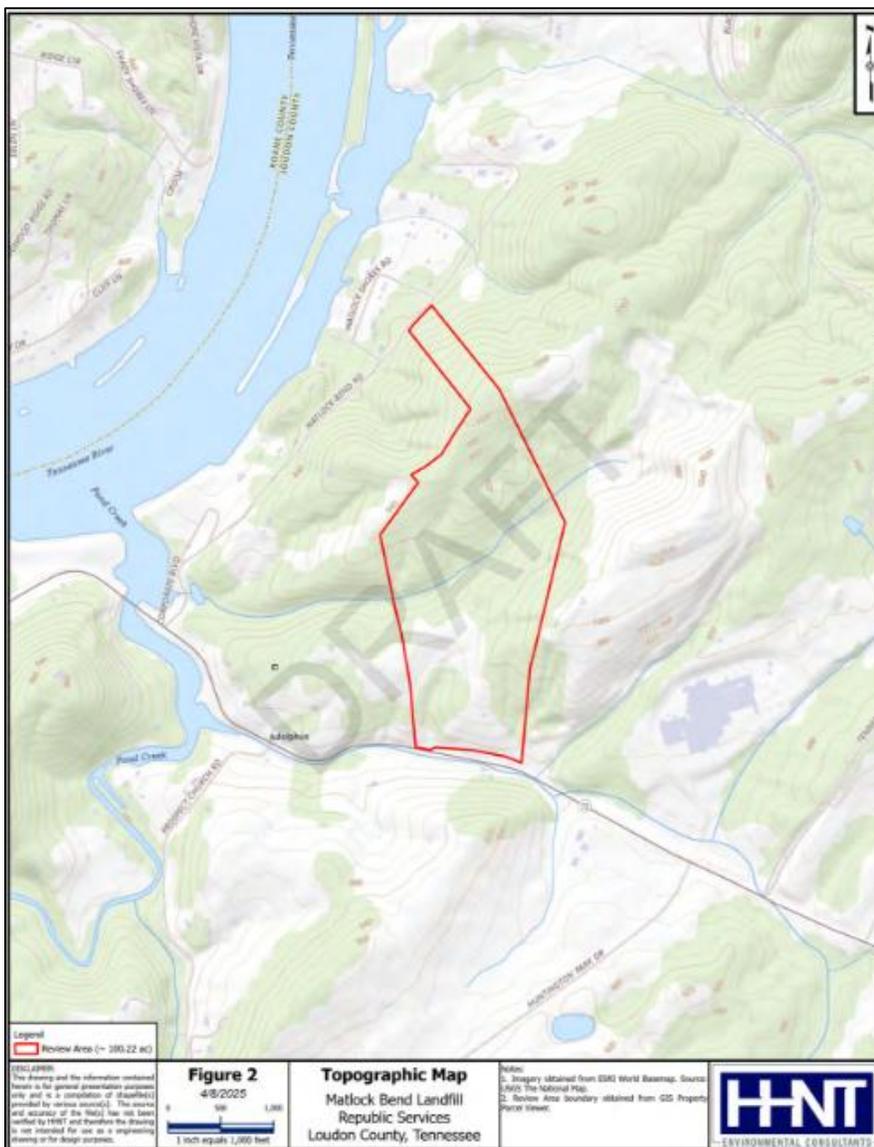




Figure 7 – HHNT Study Map





Monthly Operations Report
Matlock Bend Landfill
November 20, 2025

Presented by:
Republic Services, Inc.

- I. OPERATIONS
 - A. Tonnage Report
 - B. Customer Activity Report
 - C. Materials Classification Report
 - D. Waste Characterization Report
 - E. Tire Report
 - F. Landfill Comments

- II. Engineering Report
- III. Airspace Utilization Report
- IV. TDEC Inspection(s) – Nov 2025
- V. Host and Security Fees Letter
- VI. Loudon Financial Information

**Loudon Landfill Monthly Tonnages
Month Ending October 2025**

Matlock Bend Landfill			
	2024		
Month	2024	2025	to 2025
Jan	11,601	14,498	2,897
Feb	14,407	14,212	(195)
Mar	14,328	17,577	3,248
Apr	15,194	17,012	1,818
May	14,517	15,581	1,064
Jun	14,735	15,462	727
Jul	15,766	16,720	955
Aug	16,204	16,475	271
Sep	13,937	16,364	2,428
Oct	16,577	18,213	1,636
Nov	13,794	0	0
Dec	15,052	0	0
Total	176,112	162,114	14,848
% of Total Tonnage	100%		

Daily Avg. for any Running 30 Day Period 545

Loudon County			
	2024		
Month	2024	2025	to 2025
Jan	529	477	(51)
Feb	541	478	(64)
Mar	574	603	29
Apr	607	562	(44)
May	596	621	24
Jun	613	611	(2)
Jul	615	620	5
Aug	599	592	(7)
Sep	486	519	34
Oct	572	592	20
Nov	516	0	0
Dec	554	0	0
Total	6,804	5,675	(58)
% of Total Tonnage	4%		

Daily Avg. for any Running 22.5 Day Period 727

Lenoir City			
	2024		
Month	2024	2025	to 2025
Jan	434	395	(39)
Feb	478	408	(71)
Mar	529	483	(46)
Apr	524	517	(7)
May	565	521	(44)
Jun	455	478	23
Jul	484	504	19
Aug	485	450	(35)
Sep	424	472	48
Oct	494	465	(28)
Nov	399	0	0
Dec	403	0	0
Total	5,675	4,692	(181)
% of Total Tonnage	3%		

Loudon, City of			
	2024		
Month	2024	2025	to 2025
Jan	452	502	50
Feb	467	433	(34)
Mar	521	523	2
Apr	572	579	7
May	572	592	20
Jun	538	544	6
Jul	573	555	(19)
Aug	557	522	(34)
Sep	498	532	34
Oct	526	519	(7)
Nov	444	0	0
Dec	517	0	0
Total	6,237	5,302	25
% of Total Tonnage	3%		

Republic Services, Inc.			
	2024		
Month	2024	2025	to 2025
Jan	2,653	2,501	(152)
Feb	3,063	2,499	(565)
Mar	2,917	2,584	(334)
Apr	3,197	2,695	(502)
May	3,226	2,867	(359)
Jun	2,812	2,848	36
Jul	3,169	3,045	(123)
Aug	3,259	3,011	(248)
Sep	2,904	2,935	32
Oct	3,056	3,027	(29)
Nov	2,558	0	0
Dec	2,539	0	0
Total	35,353	28,013	(2,244)
% of Total Tonnage	17%		

Waste Management			
	2024		
Month	2024	2025	to 2025
Jan	1,385	1,401	16
Feb	1,680	1,546	(134)
Mar	1,679	1,604	(75)
Apr	1,727	1,690	(37)
May	1,629	1,580	(49)
Jun	1,492	1,589	97
Jul	1,504	1,575	71
Aug	1,505	1,532	27
Sep	1,400	1,458	58
Oct	1,526	1,823	297
Nov	1,311	0	0
Dec	1,293	0	0
Total	18,132	15,797	270
% of Total Tonnage	10%		

Five Star Waste			
	2024		
Month	2024	2025	to 2025
Jan	493	932	440
Feb	547	1,155	608
Mar	534	1,463	930
Apr	677	1,566	888
May	716	1,633	916
Jun	1,097	1,680	583
Jul	1,292	1,377	86
Aug	1,219	1,847	628
Sep	1,328	1,410	81
Oct	1,680	1,133	(547)
Nov	1,104	0	0
Dec	1,380	0	0
Total	12,067	14,196	4,613
% of Total Tonnage	9%		

Ward Waste			
	2024		
Month	2024	2025	to 2025
Jan	0	526	526
Feb	0	506	506
Mar	0	583	583
Apr	0	641	641
May	0	640	640
Jun	0	632	632
Jul	0	888	888
Aug	0	787	787
Sep	0	809	809
Oct	0	779	779
Nov	287	0	0
Dec	605	0	0
Total	892	6,792	6,792
% of Total Tonnage	4%		

KCC ADC Material			
	2024		
Month	2024	2025	to 2025
Jan	1,361	3,503	2,142
Feb	1,925	3,012	1,087
Mar	2,577	4,440	1,863
Apr	2,561	3,643	1,082
May	1,783	2,266	483
Jun	3,095	2,471	(624)
Jul	3,057	3,134	78
Aug	3,498	3,130	(368)
Sep	2,560	3,301	741
Oct	3,630	4,366	736
Nov	3,716	0	0
Dec	3,808	0	0
Total	33,571	33,267	7,219
% of Total Tonnage	21%		

All Other Tons			
	2024		
Month	2024	2025	to 2025
Jan	4,036	4,260	224
Feb	6,039	4,176	(1,863)
Mar	5,530	5,294	(236)
Apr	6,005	5,118	(887)
May	6,146	4,862	(1,284)
Jun	5,730	4,609	(1,121)
Jul	6,363	5,022	(1,341)
Aug	6,301	4,603	(1,698)
Sep	5,664	4,928	(736)
Oct	6,773	5,508	(1,266)
Nov	4,850	0	0
Dec	5,939	0	0
Total	69,376	48,380	(10,207)
% of Total Tonnage	30%		

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary October 2025

Material	Tonnage	2022 Sludge %		2023 Sludge %	
MSW		January	7%	January	6%
		February	6%	February	9%
		March	6%	March	7%
		April	5%	April	7%
		May	5%	May	4%
		June	2%	June	6%
		July	10%	July	4%
		August	4%	August	6%
		September	7%	September	6%
		October	5%	October	5%
		November	5%	November	8%
		December	7%	December	7%
Special Waste					
Other	6,557				
Ash	0				
Sludge	824				
Total Special Waste	7,381				
Total MSW & SW	18,213				
Tires	0				
Total Material	18,213				
% MSW	59%				
% Special Waste	41%				
% Sludge *	5%				

		2024 Sludge %		2025 Sludge %	
		January	4%	January	5%
		February	7%	February	7%
		March	8%	March	7%
		April	7%	April	5%
		May	5%	May	6%
		June	6%	June	5%
		July	4%	July	3%
		August	6%	August	4%
		September	5%	September	4%
		October	5%	October	5%
		November	6%	November	0%
		December	6%	December	0%

* Sludge % is stand alone,
 % Special Waste includes "Sludge"

2025 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	7,862	8,286	9,661	10,153	10,376	10,558	10,972	10,776	10,373	10,833	0	0	99,850
Special Waste	6,635	5,926	7,916	6,859	5,204	4,904	5,749	5,699	5,992	7,381	0	0	62,265
Tires	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	14,497	14,212	17,577	17,012	15,581	15,462	16,721	16,475	16,365	18,214	0	0	162,116
%													
MSW	54%	58%	55%	60%	67%	68%	66%	65%	63%	59%	0%	0%	62%
Special Waste	46%	42%	45%	40%	33%	32%	34%	35%	37%	41%	0%	0%	38%
Total	100%	0%	0%	100%									

2025-2026 Matlock Bend Landfill Tire Report

Month	Tons (OB)	Each (IB)
Jul-25	42.47	1,099
Aug-25	55.79	1,208
Sep-25	21.05	842
Oct-25	27.90	956
Nov-25	0.00	0
Dec-25	0.00	0
Jan-26	0.00	0
Feb-26	0.00	0
Mar-26	0.00	0
Apr-26	0.00	0
May-26	0.00	0
Jun-26	0.00	0
Total	147.21	4,105

Loudon Landfill Comments Log October 2025

Calendar Day	Day of Week	Time of Day	Complainant Name	Complainant Number	Complaint	Resolution	Res Time
1	W			() -			
2	TH						
3	F						
4	SA						
5	SU						
6	M						
7	T						
8	W						
9	TH						
10	F						
11	SA						
12	SU						
13	M						
14	T						
15	W						
16	TH						
17	F						
18	SA						
19	SU						
20	M						
21	T						
22	W						
23	TH						
24	F						
25	SA						
26	SU						
27	M						
28	T						
29	W						
30	TH						
31	F						



Matlock Bend Landfill
21712 TN-72, Loudon, TN 37774
o 865.458.2651 republicservices.com

November 20, 2025

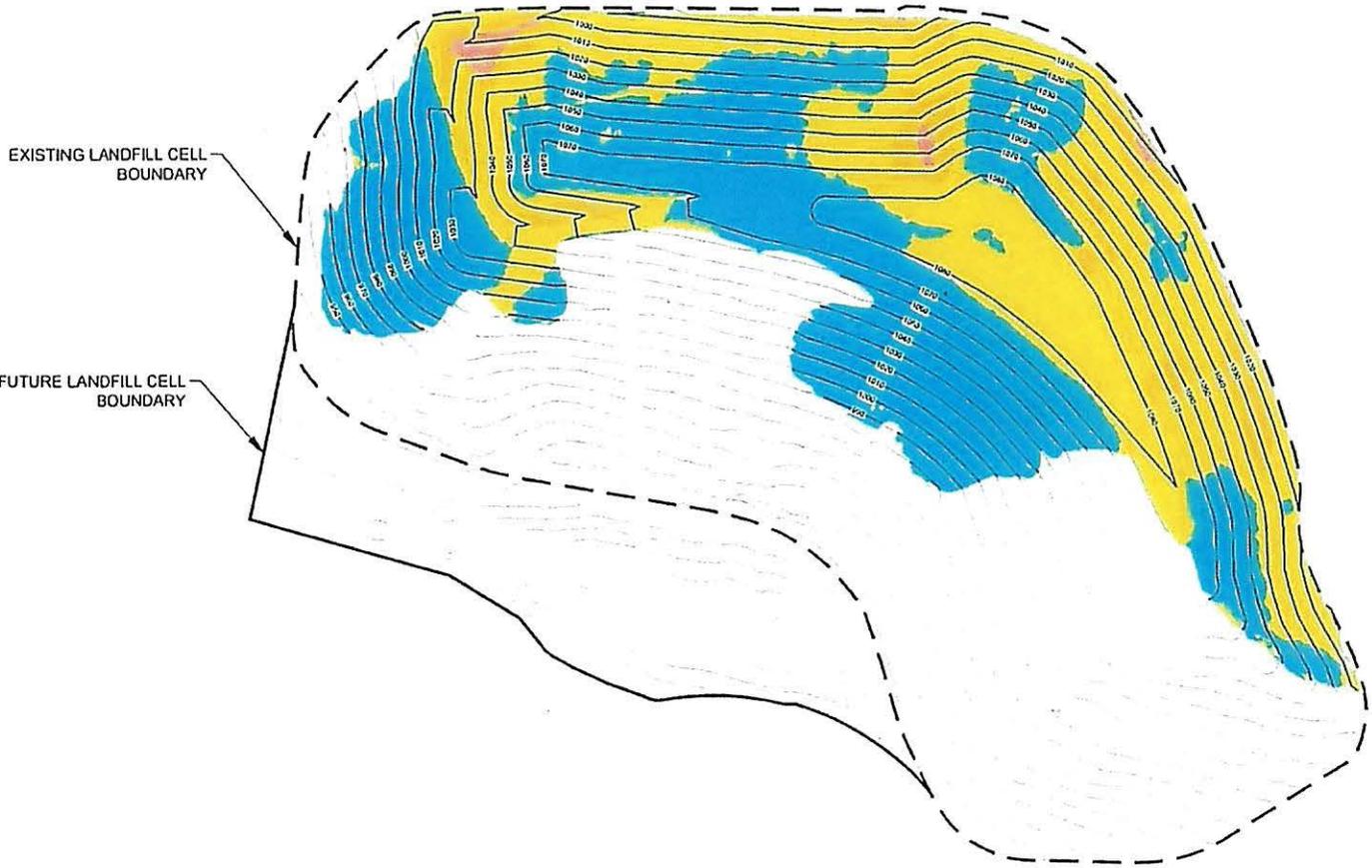
Loudon County (Matlock Bend) Landfill Engineering November Update

- 1) Module 1 and Module 2 Construction
 - a. Construction complete.
 - i. Lew performed final walkthrough on 11/6.
 - ii. CQA Report submitted on 11/11.
 - iii. Side's Seeding completed seeding and matting on 11/12.
- 2) CA-1 Capping Event
 - a. Project began 10/20
 - b. Located anchor trench, survey and data still in review to properly address grading.
 - c. Toe Drain – Pipe, geotextile, and granite gravel order week of 11/20.
 - d. East Perimeter Ditch
 - i. No discharge to SW pond (pond #2), leachate not entering ditch but still treating all liquids as leachate
- 3) Borrow Area
 - a. Test Pit investigation started Monday 11/10 and expected to take 3-5 days.
 - b. HHNT drafting rezoning application – will provide to LCSWC prior to submittal.
- 4) Paving Project
 - a. Catch basins and road grates in casting.
 - i. Grate casting expected to be completed by Thanksgiving.
 - ii. WBCI on standby ready to begin work once catch basins are available.
 1. Planned start on weekend to support traffic and will take 7-10 days – weather dependent.
 2. Flaggers will be onsite to support traffic flow.
 3. Expect slower turnarounds for work duration.
- 5) Groundwater Monitoring
 - a. TDEC review made available.
 - b. Added quarterly sampling requirement for Southwest Spring.
 - i. 1,4-Dichlorobenzene, chloride, Arsenic, & Cobalt detections.
 1. 1,4-DI non-detect during resample event.
 - c. Retained new vendor support. Weaver Consultants will be performing groundwater sampling and Eagon & Associates will be handling reporting and additional assessment.
- 6) Pond #2
 - a. No discharge and still remediating.
 - b. Aerating for 31 weeks.
 - i. September 2025 COD slightly elevated.



Matlock Bend Landfill
21712 TN-72, Loudon, TN 37774
o 865.458.2651 republicservices.com

- ii. October 2025 COD slightly elevated.
 - 1. TSS elevated due to sampling in the rain - turbidity.
- c. Will continue to remediate until back into Section L compliance.
- d. Pond improvements will be performed with CA-1 project.
 - i. Added forebay, new discharge riser. Existing pond to be cleared and regraded – will address any remaining compliance matters.
- 7) Current Leachate Tank (100K-gallon)
 - a. Tank was returned to operation on 10/2.
 - i. Performing as intended.
- 8) New Leachate Tank (250K-gallon)
 - a. A requirement associated with Permit expansion.
 - b. Install in a new location near the maintenance shop.
 - c. Expected install – July/August 2026
- 9) Stormwater Basin Near Cell Construction
 - a. Operating as intended.
 - b. Side's Seeding reseeded and matted slopes.

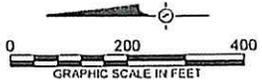


CUT: 53,391 CY
 FILL: 43,562 CY
 NET: 9,829 <CUT>

NOTES:
 1. THIS VOLUME ISOPACH WAS DEVELOPED FROM THE FOLLOWING SURFACES:
BOTTOM SURFACE
 AERIAL TOPOGRAPHIC SURVEY BY FIRMATEK, LLC., DATED JULY 7, 2025.
TOP SURFACE
 OPERATIONAL CONSTRUCTED GRADING PLAN DEVELOPED BY HHNT AT THE DIRECTION AND APPROVAL OF REPUBLIC SERVICES, INC. CONTOURS REPRESENT TOP OF INTERMEDIATE COVER.

ELEVATIONS TABLE			
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR
1	-20.00	-15.00	
2	-15.00	-10.00	
3	-10.00	-5.00	
4	-5.00	0.00	
5	0.00	5.00	
6	5.00	10.00	
7	10.00	15.00	

CONSTRUCTED REMAINING CAPACITY
 MATLOCK BEND LANDFILL
 REPUBLIC SERVICES, INC.
 LOUDON COUNTY, TENNESSEE



DATE: 07-17-2025



November 1, 2025

Loudon County Solid Waste Disposal Commission
Attn: Chief Deputy Clerk
101 Mulberry Street Suite 203
Loudon, TN 37774

Dear Trustee:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Second Amendment Section 10.6 dated July 12, 2022, 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 of October 2025:

		<u>Host Fees (Greater of below)</u>	
Total Tip Fees Billed	\$550,744.15	Total Tonnage Received	18,213.34
Host Fee Percentage	5.5%	Rate per Ton	<u>\$1.00</u>
	\$30,290.93		\$18,213.34
Minimum Fee	\$10,750.00		
	=====		
		<u>Security Fees</u>	
Total Tip Fees Billed	\$550,744.15		
Security Fee Percentage	<u>5%</u>		
	\$27,537.21		
	=====		
		<u>Minutes Payment</u>	
Loudon County Minutes	\$100.00		
	=====		
Total amount to be received	\$57,928.14		
	=====		

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,

David L. Hollinshead
Manager Municipal Sales
Republic Services



Loudon County Department of Accounts Budgets
Solid Waste Disposal Fund 207
Monthly Cash Report
October 2025

September 2025 Combined Ending Cash Balance per Monthly Report		6,737,982.27
Adjustments:		
Less September 2025 Trustee Commission	(453.08)	
	0.00	
Total Adjustments		(453.08)
Adjusted September 2025 Combined Ending Balance		6,737,529.19

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance September 2025		6,708,165.48
Cash Receipts:		
Trustee's Collections - Prior Year	0	
Surcharge - Host Fees	28,092.85	
Surcharge - Security Fees	25,448.04	
Investment Income	17,297.05	
Investment Income - Proration based on % of balance		
Total Monthly Revenue		70,837.94
Cash Disbursements:		
Board & Committee Members Fees	(550.00)	
Social Security	(9.30)	
Medicare	(2.16)	
Audit Services		
Legal Services	(15,960.00)	
Engineering Services	(2,835.00)	
Other Contracted Services		
Building & Content Insurance		
Trustee's Comm - Proration = % of balance		
Total Cash Disbursements		(19,356.46)
Expenditure Credit:		
Trustee Commission Adjustment		
Operating Fund Ending Balance October 2025		6,759,646.96

Poplar Springs Subfund

Poplar Springs Subfund Balance September 2025		29,363.71
Cash Receipts:		
Investment Income - Proration based on % of balance		
Total Monthly Revenue		0.00
Cash Disbursements:		
Trustee's Comm - Proration = % of balance		
Poplar Springs Contractor		
Total Cash Disbursements		0.00
Poplar Springs Subfund Balance October 2025		29,363.71

TOTAL COMBINED OPERATING AND POPLAR SPRINGS OCTOBER 2025 BALANCE **6,789,010.67**

Combined Summary - October 2025

Beginning Balance		6,737,529.19
Plus Operating Revenue		70,837.94
Less Operating and Poplar Springs Disbursements		(19,356.46)
TOTAL COMBINED BALANCE - OCTOBER 2025		6,789,010.67

NOTE: Accounting Dept did not have Trustee's Oct report at the time of preparation.