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March 29, 2024

NHDES, Waste Management Division Solid Waste Management Bureau 29 Hazen Drive, P.O. Box 95 Concord, NH 03302-0095

RE: North Country Environmental Services, Inc. Landfill Facility – Bethlehem, NH NHDES Permit # DES-SW-SP-03-002 2023 Annual Facility Report

Dear NHDES Waste Management Division:

Consistent with Env-Sw 1105.07 of the New Hampshire Department of Environmental Services Solid Waste Rules, North Country Environmental Services, Inc. writes to provide the 2023 Annual Facility Report (attached) for our facility located in Bethlehem, New Hampshire.

Should you have any questions please do not hesitate to contact me at 802.651.5454.

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.

John Gay, E.I.

Permits, Compliance & Engineering

Enclosures

c. Kevin Roy, North Country Environmental Services, Inc. {via email}



ANNUAL FACILITY REPORT

Active Solid Waste Facilities Reporting Year 2023



Waste Management Division, SWMB

RSA 149-M / Env-Sw 1105.07

1. Facility Identification

Complete and return this form by MARCH 31, 2024.

Facility Name NORTH COUNTRY ENVIRONMENTAL	SERVICES	
Physical Street Address		
581 TRUDEAU ROAD		
Town/City	Solid Waste Facility	Permit Number
BETHLEHEM	DES-SW-SP-03-002	
2. Permittee Information		
Permittee Name		
North Country Environmental Service	es Inc.	
Mailing Address		
PO Box 9		
Town/City	State	ZIP Code
Bethlehem	NH	03574
Email Address	Daytime Phone Nu	mber
Kevin.Roy@Casella.com	(603) 869-3366	
3. Contact Person Check this box if this		ast year. []
Name	Job Title	
John Gay	Engineer	
Affiliation		
Employee		
Email Address	Daytime Phone Nur	mber
John.Gay@Casella.com	802-651-5454	
. Facility Status		
Operated the entire calendar yea	r.	
Did not operate in the calendar ye		
Operated part of the calendar year		
Started operating on/		/ /2023
Month / Day		Month / Day
Worth / Da		initial / Day
. Facility Status – Operating Landfills	Only	
Estimated remaining life (in years).		
3+		
Estimated remaining permitted capacity 713,000	city (in cubic yards) as of 12/31/2	023, based on a site survey.
	pection and maintenance activitie	es in accordance with Env-Sw

Total Received

6. Sol	d Waste Facility Operat	or Inf	ormation					
	he facility exempt from eporting Year?	having N		Solid Was	te Facility Op	erator	s working at the fa	acility during
If Yes,	cite the reason for the	exemp	otion:					
If No,	complete the table belo	w:						
	Name			Certific Numb	Exp	iration	Date	orking at Facility December 31?
1. Se	ee Attached							Yes No
2.								Yes No
3.								Yes No
4.								Yes No
5.								Yes No
	Additional Solid Waste ste and Recyclables Record Waste				ion is attach	ed to t	his Annual Facility	Report.
	Universal Wastes and Used	l Oil ar	e included i	n Section :	l1, so do NOT	enter t	hem here.	
	Ash		Electronic	c Waste			Recyclable Mate	rials
	Asbestos		Food Was	ste Comp	osted Onsite		Scrap Metal	
	Bulky Waste		Food Was				White Goods	
	C&D Debris		Infectious	s Waste		\boxtimes	Other: Approved	d Special Waste
	Contaminated Soil		Municipa	l Solid Wa	este	te Other:		
Quant	ity of Waste							
	Quantity of Was	ste Re	ceived			Quan	tity of Waste Ship	ped
					00000	Ch.i.		
C&D	Debris Received:		00.424	C7.t	C&D Debris			
	From NH Sources		·	.67 tons	To NH			0 tons
	From Out-of-State Sour	ces		.50 tons			ate Destinations	0 tons
	Total Received		89,648	.17 tons	Total S	nipped		0 tons
Recy	clables Received:				Recyclables	Shipp	ed:	
	From NH Sources		41	.34 tons	To NH	Destin	ations	0 tons
	From Out-of-State Sour	ces		0 tons	To Out	-of-Sta	ate Destinations	41.34 tons
	Total Received		41	.34 tons	Total S	hipped	d	41.34 tons
Adise	od Solid Wasta/Goneral	Pofuc	Paccivod:		Miyad Salid	Wast	a/General Petuse	Shinned:
IVIIX		ne i u st						
-	From Out-of-State Sour	297		.03 tons			ate Destinations	0 tons
Mixe	Total Received ed Solid Waste/General I	Refuse	e Received: 85,282	.34 tons	Total S Mixed Solid To NH	hipped Wasto Destin	d e/General Refuse S ations	41.34 tons Shipped: 0 tons

Total Shipped

88,765.52 tons

 $0 \ tons \\$

8. Estimated Quantity of Waste Stored at the Facility as of December 31, 2023

Type of Waste	Quantity Onsite as of Dec. 31	Type of Waste	Quantity Onsite as of Dec. 31
Ash	tons	Infectious Waste	tons
Asbestos	tons	Municipal Solid Waste	tons
Bulky Waste	tons	Recyclable Materials	tons
C&D Debris	tons	Scrap Metal	tons
Contaminated Soil	tons	White Goods	tons
Electronic Waste	tons	Other: no materials stored	
Food Waste	tons	Other: on site as this is an	operating landfill

9.	Bypass	and	Residual	Waste
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Note: Please refer to the instructions for applicability of this section, and definitions of bypass waste and residual waste. Not Applicable

Waste	Total Quantity Generated	Quantity Shipped to NH Destination(s)	Quantity Shipped to Out-of-State Destination(s)	Quantity Stored Onsite as of December 31
Bypass Waste	tons	tons	tons	tons
Residual Waste	tons	tons	tons	tons
Leachate	gallons	11,509,156 gallons	0 gallons	174,065.15 gallons

10. Facilities Producing Certified Waste-Derived Products

Type of Waste-Derived Product Produced	Quantity Produced	Quantity Distributed for Use	Estimated Quantity Stored Onsite as of December 31
	tons	tons	tons
e e e e e e e e e e e e e e e e e e e	tons	tons	tons
	tons	tons	tons
	tons	tons	tons

	I certify that all waste-derived products distributed by the facility for use met the applicable standards for distribution and use pursuant to Env-Sw 1500 ; OR				
	for distribution and use pursua actions taken or being taken to	nt to reme		y for u	ise met the applicable standards I explanation of the situation and
\boxtimes	The facility does not produce ce				
11. O	ther Activities Taking Place at	the	Facility		
	Burn Pile		Refrigerant Removal		Other:
	Household Hazardous Waste Collection		Swap Shop		Other:
	Leaf & Yard Waste Composting		Collection of Used Oil for Recycle		Other:
	Used Oil Burner: EPA ID No. N	NHD			
Univ	versal Waste Collection		1.41		
	Antifreeze		Batteries (Rechargeable)		Fluorescent Lamps
	Batteries (Automotive)		Cathode Ray Tubes (CRTs)		Mercury-Containing Devices
			PO Box 95, Concord, NH 03302-0095		-

NHDES-S-05-056 12. Summary and Assessment of Environmental Monitoring None required and none undertaken. Required and already provided in writing during the calendar year. If checked, attach a statement which identifies the date(s) and document(s) previously submitted along with the name of the person who submitted the information. None required, but environmental monitoring was undertaken voluntarily. A summary and assessment of the environmental monitoring is attached. Environmental monitoring is required by this facility's permit and/or the Solid Waste Rules. A summary and assessment of environmental monitoring is attached. 13. Public Benefit Discussion The facility is deemed to provide a substantial public benefit by rule. (No discussion is required) Permit includes a public benefit condition. (A discussion is attached to this report) 14. Compliance Certification

I certify that the facility is in compliance with the requirements of the following:

Yes	No	N/A	
		1	The facility's current operating plan.
\boxtimes			All terms and conditions of the facility's permit.
\boxtimes			Env-Sw 900 for asbestos, ash, contaminated soils, infectious waste, and/or tires.
		\boxtimes	Env-Hw 1100 for the management of Universal Wastes.
		\boxtimes	Env-Hw 807 for the management of Used Oil.
		\boxtimes	Env-A 1000 for the operation of a burn pile.

15. Signature

By signing below, I affirm that the material and information s	submitted in this report is correct and complete
to the best of my knowledge and belief, and that I am the per	rmittee or a person duly authorized to sign for
the permittee.	3/29/24
Signature of Permittee or Duly Authorized Individual	Date
John Gav	Engineer

Title / Permittee Affiliation

This report contains 30 attached pages (not applicable unless you have provided additional pages).

Form Submittal Instructions:

Printed Name of Signatory

Please submit the completed form in PDF via email to solidwasteinfo@des.nh.gov. Please do not submit a paper copy of the completed form unless that is your only means to submit. If you must submit the AFR in paper form, for tracking purposes please notify us by email, sent to solidwasteinfo@des.nh.gov, that you have submitted the AFR in paper form.



Section 5



Portsmouth, NH 03801

Project: NCES Landfill

Project No: 665 Date: 01/24/23 Calc. By: ATR Chkd. By: AJS/RJG Sheet: 1 of 1

NCES - Stage VI Airspace Consumed Calculation Bethlehem, New Hampshire

Volume Consumed Calculation

Surface 1 - January 2, 2023 Site Survey Surface 2 - January 3, 2024 Site Survey

Fill Volume 270,333 CY Settlement Volume 41,408 CY

Net Volume 228,925 CY

NCES Scale Material Report (1/1/23 to 1/2/23)

Net Tons	869	TONS
Compaction Rate	0.80	CY/TON
Conversion to CY	1,086	CY

NCES Scale Material Report (1/1/24 to 1/3/24)

Net Tons	1,849	TONS
Compaction Rate	0.80	CY/TON
Conversion to CY	2,311	CY

Calculated Volume Consumed between January 1, 2023 to December 31, 2023

228,925 1,086 2,311 227,700 CY (1/3/24 Survey) (1/1/23-1/2/23) (1/1/24-1/3/24)



NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. 2023 ANNUAL FACILITY REPORT

SECTION 5 Summary of Facility Operations and Maintenance Activities.

North Country Environmental Services has conducted environmental monitoring and inspections according to the rules and regulations of the State of New Hampshire and the approved Facility Operating Plan throughout the year.

2023 Maintenance Items

- *Replaced stage 4 phase 2 primary pump 3.20.23
- *Replaced radiator in Generac generator at flare 3.23.23
- *Replaced flare blower #2 4.7.23
- *Replaced blower #2 (again) and changed it over from grease to oil 4.25.23
- *Drilled 13 new gas collection wells between April 24 and May 11
- *Put in a header bypass on northeast corner to increase flow and drainage 5.15.23
- *Seeded/stabilized about 10 acres on 6.1.23
- *New privacy fence installed at transfer station entrance 6.7.23
- *New main knockout installed by NCES crew to upgrade outdated knockout 6.19-23
- *Cleaned and repaired ditch by front gate 6.20.23
- *Cleaned ponds 1 and 2 on north side of site sept 18-22
- *New concrete "T" panels for the recycling bunker. Old ones were worn out 10.31.23
- *Constructed stage 6 phase 2 cell on east side of landfill
- *836G compactor rebuilt and new wheels (got back end of 2023
- *Obtained new 740 CAT rock truck
- *Obtained new 336 CAT excavator



Section 6

2023 ANNUAL FACILIT	Y REPORT		
6. Operator Informatio	n (Env-Sw 1105.13 (c	:)	
Name:	Certification #:	Expiration Date:	Still Working at Facility as of Dec. 31st?
Don Dunn	000513	3/15/2025	XiYes
John Gay	006835	7/13/2024	Xi Yes
Bruce Grover	005278	1/29/2025	X Yes
Nathan Huntington	004554	1/11/2025	X Yes
homas Jeffries	003060	10/3/2024	Xyes
Annette L Marquis	003489	11/30/2024	X Yes
Payton MacKinnon	006951	12/6/2024	X Yes
Rebecca Metcalf	006230	10/22/2024	X Yes
onathan Reed	005982	8/8/2024	X Yes
Kevin A Roy	002543	6/2/2024	X Yes
Daniel Smith	005283	1/29/2025	X Yes
ohnathan Stevenson	006799	7/13/2024	Xi Yes
Scott Stevenson	005966	5/3/2024	X No
Sarrett Styles	007440	11/29/2024	X Yes
lise M. Thompson	006279	10/22/2024	XYes
Aldis Wright	004949	12/14/2024	▼Yes



Section 7

ANNUAL WASTE RECEIPTS BY STATE OF ORIGIN

CALENDAR YEAR 2023

PERMITTEE North Country Environmental Services, Inc.

FACILITY NAME North Country Environmental Services, Inc.

PERMIT NO. DWS-SW-SP-03-002

	WASTE TYPE (TONS)										
STATE OF ORIGIN	MSW-R	MSW-C/I	CDD	TREATED INFECTIOUS	ASBESTOS	ASH	SLUDGE	C-SOIL	OTH SPW	TOTAL RECEIPTS	ADC
NH	85,282.49		89,124.67			114.05	3,572.74		753.02	178,846.97	12,110.84
VT	3,483.03		523.50							4,006.53	282.57
MA							11,133.88		8.04	11,141.92	13,756.40
RI										0.00	321.48
										0.00	
										0.00	
										0.00	
										0.00	
										0.00	
Totals	88,765.52	0.00	89,648.17	0.00	0.00	114.05	14,706.62	0.00	761.06	193,995.42	26,471.29

Note:

- (1) Tonnages indicate those tons received and disposed or otherwise used within the landfill's approved design volume.
- (2) "Municipal solid waste" means solid waste generated at residences, comercial or industrial establishments and institutions, but excluding construction and demolition debris, automobile scrap and other motor vehicle waste, infectious waste, asbestos waste, contaminated soil and other absorbent media, and ash other than ash from household stoves. See Env-Sw 103.47.

Legend for Waste Types:

MSW-R = Municipal solid waste from residential sources

MSW-C/I = Municipal solid waste from commercial and industrial sources

CDD = Construction and demolition debris (see Env-Sw 102.42)

TREATED INFECTIOUS = Treated infectious waste (see Env-Sw 103.28 and Env-Sw 904)

ASBESTOS = Non-friable and friable asbestos-containing waste (see Env-Sw 102.14 and Env-Sw 901)

ASH = Ash residue remaining after combustion of various materials in an incinerator or other device

SLUDGE = Sludges from various water, wastewater and air pollution control processes

C-SOIL = Soil with contamination (e.g., petroleum, other substances) that is disposed or soil otherwise unsuitable for use as ADC (see Env-Sw 903)

OTH SPW = Any other waste received that is not categorized above, including industrial process wastes

TOTAL RECEIPTS = Sum of all waste receipts, which should be equal to the summation of all waste received as shown in this table (excluding ADC)

ADC = Soils and other materials permitted for use as alternative daily cover (see Env-Sw 806.03)



Section 12

NCES Environmental Monitoring Reports 2023

Date Submitted	Title of Document	Type of Monitoring	Reporting Authority
1/5/23	Initial Response Action – November 2022 Water Quality Monitoring Results	Groundwater	NHDES
1/5/23	November 2022 Tri-Annual Water Quality Monitoring Report	Groundwater	NHDES
2/14/23	Stage VI Phase II Replacement Monitoring Well Information – Round 1 of 2	Groundwater	NHDES
3/13/23	January 2023 Assessment Monitoring Results	Groundwater	NHDES
4/4/23	Groundwater Management and Release Detection Permit Application	Groundwater	NHDES
4/18/23	Updated Groundwater Management and Release Detection Permit Application	Groundwater	NHDES
5/8/23	Stage VI Phase II Replacement Monitoring Well Information – Round 2 of 2	Groundwater	NHDES
5/31/23	April 2023 Tri-annual Water Quality Monitoring Results	Groundwater	NHDES
8/24/23	July 2023 Tri-annual/2023 Annual Water Quality Monitoring Results	Groundwater	NHDES
8/25/23	NCES Landfill - Monitoring Well and Gas Probe Decommissioning Summary	Groundwater	NHDES
10/6/23	SSI Surface Water PFAS Sampling Data Transmittal	Groundwater	NHDES
12/21/23	November 2023 Tri-annual Water Quality Monitoring Results	Groundwater	NHDES
5/9/23	NHDES April Leachate Report	Leachate	NHDES
8/18/23	NHDES July Leachate Report	Leachate	NHDES
12/18/23	NHDES November Leachate Report	Leachate	NHDES
3/20/23	Concord, NH WWTF Annual Leachate Report	Leachate	City of Concord, NH

3/20/23	Franklin Quarterly Leachate Report	Leachate	NHDES
7/13/23	Franklin Quarterly Leachate Report	Leachate	NHDES
10/11/23	Franklin Quarterly Leachate Report	Leachate	NHDES
1/12/24	Franklin Quarterly Leachate Report	Leachate	NHDES
2/15/23	Franklin, NH WWTF Report	Leachate	NHDES
3/15/23	Franklin, NH WWTF Report	Leachate	NHDES
4/14/23	Franklin, NH WWTF Report	Leachate	NHDES
5/15/23	Franklin, NH WWTF Report	Leachate	NHDES
6/15/23	Franklin, NH WWTF Report	Leachate	NHDES
7/13/23	Franklin, NH WWTF Report	Leachate	NHDES
8/15/23	Franklin, NH WWTF Report	Leachate	NHDES
9/15/23	Franklin, NH WWTF Report	Leachate	NHDES
10/13/23	Franklin, NH WWTF Report	Leachate	NHDES
11/15/23	Franklin, NH WWTF Report	Leachate	NHDES
12/15/23	Franklin, NH WWTF Report	Leachate	NHDES
1/15/24	Franklin, NH WWTF Report	Leachate	NHDES
2/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
3/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
4/14/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH

5/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
6/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
7/13/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
8/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
9/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
10/13/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
11/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
12/15/23	Concord Monthly Leachate Report	Leachate	City of Concord, NH
1/15/24	Concord Monthly Leachate Report	Leachate	City of Concord, NH
4/11/23	USEPA Stormwater MSGP Quarterly DMR	Stormwater	USEPA
7/7/27	USEPA Stormwater MSGP Quarterly DMR	Stormwater	USEPA
9/19/23	USEPA Stormwater MSGP Quarterly DMR	Stormwater	USEPA
1/23/24 & 2/1/24	USEPA Stormwater MSGP Quarterly DMR	Stormwater	USEPA
1/29/24	USEPA Stormwater MSGP Annual Comprehensive Inspection	Stormwater	USEPA
2/28/23	2/28/23 NHDES - ARD Surface Emission & Cover Integrity Report		NHDES
4/18/23; Revised 6/5/23	NHDES - ARD Tri-Annual LF Gas Sampling Report	Air Quality	NHDES
1/26/23	NHDES ARD Semi Annual Permit Deviation & Monitoring Report	Air Quality	NHDES
1/26/23	NHDES ARD Semi Annual Report NSPS/NESHAP	Air Quality	NHDES
3/30/23	NHDES ARD Annual Compliance Certification	Air Quality	NHDES

3/30/23	NHDES ARD Annual Emissions Report	Air Quality	NHDES
10/6/23	NHDES ARD Tri-Annual LF Gas Sampling Report	Air Quality	NHDES
5/30/23	NHDES - ARD Surface Emission & Cover Integrity Report	Air Quality	NHDES
1/11/24	NHDES – ARD Tri-Annual LF Gas Sampling Report	Air Quality	NHDES
7/27/23	NHDES -ARD Semi Annual Report NSPS/NESHAP	Air Quality	NHDES
7/27/23	NHDES Semi Annual Permit Deviation & Monitoring Report	Air Quality	NHDES
8/10/23	NHDES - ARD Surface Emission & Cover Integrity Report	Air Quality	NHDES
11/21/23	NHDES - ARD Surface Emission & Cover Integrity Report	Air Quality	NHDES
5/16/23	Stage VI Phase II Replacement Gas Probe Installation Summary and Decommissioning Plan	Operational	NHDES
4/27/23	NHDES WMD Facility Report	Operational	NHDES
7/31/23	NHDES WMD Facility Report	Operational	NHDES
10/31/23	NHDES WMD Facility Report	Operational	NHDES
1/30/24	NHDES WMD Facility Report	Operational	NHDES
3/31/23	2022 Annual Facility Report	NHDES Waste Management	NHDES
2/6/24	NHDES Groundwater Discharge Program Shop Holding Tank Annual Report	NHDES Waste Management	NHDES



Section 13 & Permit Condition #27

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. 2023 ANNUAL FACILITY REPORT

SECTION 13 Public Benefit Discussion [Env.-Sw 1105.13(k)]

The permit modification issued to NCES on October 9, 2020, included a public benefit condition. Subsections (a) to (c) of Condition 27 of the permit relate to facility operations as contemplated by Env-Sw 1105.13(k) and are addressed below.

 (a) "The permittee shall limit airspace use to a maximum of 230,200 cubic yards per year, inclusive of cover materials, and preserve for use during calendar year 2026 no less than 150,000 cubic yards of capacity."

Attached are calculations comparing the January 2, 2023 site survey to the January 3, 2024 site survey indicating a net use of airspace of 228,925 CY between the survey dates.

270,333 cy	-	41,408 cy	=	228,925 cy
Fill		Settlement		2023 capacity
(1/2/23 - 1/3/24)		(1/2/23 - 1/3/24)		consumed

The volume adjusted to align to the calendar year using scale data and converting is:

228,925 cy + 1,086 cy (January 23 adjust) - 2,311 (January 24 adjust) = 227,700 cy.

(b) "The permittee shall operate the facility through at least December 31, 2026."

NCES has sufficient remaining capacity to satisfy its permit condition as demonstrated in the following table.

	Remaining Capacity (cubic yards)	Maximum Fill Rate Condition 27(a) (cubic yards per year)	Notes
1/1/2024	713,000 (179,000 + 534,000)	230,200	Adding Stage VI Phase II Capacity
1/1/2025	482,800	230,200	
1/1/2026	252,600	230,200	

 (c) "The permittee shall make available disposal capacity for New Hampshire generated solid waste for the entire operating life of the facility."

As demonstrated in the table above, NCES will have disposal capacity for New Hampshire generated solid waste through 2026. In 2023, 87% material accepted at NCES was generated by New Hampshire sources.

(d)(1) "demonstrate that the sources, in aggregate, from which the permittee accepted municipal solid
waste (MSW) and construction and demolition (C&D) debris for disposal achieved a minimum 30 percent
waste diversion rate to more preferred methods other than landfilling as outlined in the hierarchy in RSA
149-M:3."

Please refer to the exhibit titled:

"New Hampshire Public Benefit – Diversion Rate Demonstration 2023

North Country Environmental Services, Inc."

• (e) "The permittee shall assist 10 or more New Hampshire solid waste generators, inclusive of at least 5 New Hampshire municipalities, per year with establishing or improving programs that assist in the implementation of the goals and hierarchy under RSA 149-M:2 and RSA 149-M:3, respectively.

Please refer to the exhibit titled:

"Advancing New Hampshire's Solid Waste Goals and Hierarchy"

New Hampshire Public Benefit – Diversion Rate Demonstration 2023

North Country Environmental Services, Inc.

In accordance with condition 27(d) of permit DES-SW-SP-03-002, North Country Environmental Services (NCES) has prepared the following demonstration of the waste diversion rates for the sources from which the facility accepted waste materials. The aggregate waste diversion rate for municipal solid waste (MSW) and construction and demolition (C&D) debris customers in calendar year 2023 is calculated to be:

35.4%

The methodology to calculate the demonstrated diversion rate included the following assumptions:

- Diverted tons are defined as tons recycled or otherwise removed from disposal streams, regardless of where the diversion occurs in the pathway from waste generation, transport, handling, and potential disposal.
- Diverted tons did not include customers that delivered materials other than MSW and C&D, such as sludge and other approved special waste.
- Diverted tons were calculated utilizing customer receipts registering greater than 500 tons delivered to the facility in 2023.
- The total number of tons of MSW and C&D received at the landfill, 178,413.23 tons.
- The total number of tons of materials beneficially used at the landfill as alternate daily cover or road base was 26,471.29 tons. These tons are not included in the 35% diverted referenced above.
- Diversion rates for tons derived from Casella facilities are based on 2023 data from the Northeast Waste Hauling Report, the CWM Montpelier Hauling Report, the CWM Massachusetts Hauling Report and the following Casella operated facilities: Raymond, Belmont, Allenstown, Pemi Baker, Triple T/Brattleboro Salvage, CWM GDS Transfer & North Country Environmental Services, Inc. Transfer.
- Diversion rates for third-party haulers were based on responses to a direct request for data, or from published information contained in New Hampshire Annual Reports. Where no response was received from the third-party hauler and no data was readily available from public sources, the percentage of diversion reported in 2022 was utilized.
- The diversion rate calculation does not explicitly include an assumption that materials such as tires, lead-acid batteries, major appliances, electronic scrap, and yard waste is also diverted from the many NCES customers that provide such management. Given the statewide regulations that apply to these materials, the applicability of their diversion should be uniform across New Hampshire disposal facilities.

2023 Community Outreach, Education and Engagement in New Hampshire

Casella Sustainability Internship Program

CSIP provides talented candidates with critical exposure to hands-on learning opportunities with customers, teams, and leaders across our operating footprint. Over the course of the ten-week program, interns will complete various field assignments, as well as participate in projects ranging from data and research-driven initiatives to community engagement events and marketing improvements. The program offers hands on instruction to foster better understanding of the challenges, opportunities to be agents of change and



progression in the industry and learn about future career path opportunities within the waste industry.

Link to Video: Casella Sustainability Internship Program

Annual Ammonoosuc River Community Clean Up, May 2023

Partnering with the town of Littleton, Trout Unlimited, Rail Trail Village and area businesses, Casella's North Country Environmental Services hosted a community and



river clean up along the Rail Trail and Ammonoosuc river in Littleton, NH. Casella operators and heavy equipment worked with volunteers to safely remove 1600 discarded tires from along a tributary to the Ammonoosuc river as well as the larger area around Rail Trail Village. The tires were then transported to BDS tire recycling in Fairfield, Maine. Over 100 residents took part in the clean-up efforts. Littleton police department and town works department



were also on-hand to provide assistance during clean-up efforts and present important community clean up safety messaging to residents.

Link to Video: Ammonoosuc River Clean-up - Littleton, NH (youtube.com)

Plymouth State University-Robot Scarecrow Project, May 2023-through October 2024



Plymouth State University has partnered with Casella to rebuild robots owned by Casella that perform vector management functions at North Country Environmental Services, the Bethlehem Landfill location. Plymouth State University Robotics Professor Bret Kulakovich is leading his robotics class in real world application,

including onsite testing, to retrain the AI and operating functions of the robots so that they may once again be a useful tool in vector management at NCES landfill in Bethlehem. The project has been ongoing through the 2023 and 2024 school semester.

Link to Video: Revolutionary Robotics with Plymouth State (casella.com)

Camp Robinhood, Freedom, NH Digester Installation, June 27, 2023

Casella worked with Camp Robinhood towards their goal of being the first fully sustainable summer camp in the United States by installing a Grind -To- Energy (G2E) food waste system in the camp cafeteria. The Casella team consisting of Bryce Joerger, Trevor Mance, Krysten Desmond and Greg Lund, instructed camp staff on the maintenance and operations of the G2E system, proper placement of food composting buckets. The Casella team also provided an educational presentation to the campers on the importance of diverting food waste for the landfills and how the G2E system operates.



Link to Video: https://youtu.be/Kb aasztlZU



Community Touch a Truck, Bethlehem Library Main St, Bethlehem, July 8, 2023

The Bethlehem Library hosted a touch a truck event for the town services, along with Bethlehem Fire Dept and Police, Casella was in attendance with representation from route driver Mike Sulham. Running curbside pickup in Bethlehem for over 11 years, Mike prides himself on talking all things waste with residents, from helping them decipher what they can and can't put in their recycling bins to educating residents on where it all goes once it is picked up.

Link to video: Community Driven: Bethlehem's Mike Sulham (casella.com)



Kamik 5K - Run/Walk for Charity, September 16, 2023

The Kamik 5K is an annual event to benefit 5 local community non-profits, sponsored by many local businesses and attended by approximately 300 runners and 100 additional attendees. Casella as lead sponsor hosts an educational booth as well as recycling education games and activities at the event. Casella also provides complimentary recycling, disposal for the event, in clearly marked bins, for both attendees and vendors. All food is donated to the local food pantry.



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NCES-Bethlehem Annual Educational Open House, October 7, 2023

NCES hosts an annual Open House, free and open to the public to attend, with invitations mailed out to the local community, as well as advertised in local newspapers and through affiliate associations.

The purpose of the Open House is to educate the community on how a modern landfill is engineered and operated, as well as what environmental protections are put in place. The event consists of booths for landfill



construction, gas collections, water & air permitting, organics and recycling. Guests are offered tours of the landfill footprint as well as the geothermal greenhouse on site. Educational information is provided to guests to take home with them. In 2023, approx. 200 area residents attended.

Capital Center For the Arts, Casella Night, Indigo Girls, December 2, 2023 Concord, NH



Casella has partnered with the Capital Center for The Arts in an effort to educate Concord residents in best practices in waste disposal. Casella headlined the sold-out Indigo Girls performance and hosted a welcome booth at the venue entrance as well as addressing the event attendees in a welcome address. The booth was manned by 2 representatives and offered educational information on waste, recycling and composting in the Concord area to the event crowd of approximately 1000 attendees.



US Flag Drop Program; Collection throughout the year in various municipalities, Annual Flag Retirement Ceremony

One of most important educational opportunities we have as a waste company is creating awareness about proper disposal of certain items. Upon making the observation that many US flags were going into the landfill improperly, U.S. Army veteran and Casella Bethlehem Landfill Operations Manager Bruce Grover implemented a program to partner with a northern New Hampshire Veterans Assistance Organization, Veterans2Veterans Group

(V2VG), to create awareness around the issue, and promote proper disposal of the US flag. Retrofitting municipal disposal bins into flag drop box bins, Grover deployed them to four local communities. Every year, the V2VG and other veteran organizations partner with Casella to properly retire the flags in ceremony. The public is invited to attend to learn about the meaning of the flag ceremony and proper retirement of the US flag. US Flag Drop Boxes are currently located in the following NH municipalities: Bethlehem, Franconia, Littleton, Lisbon, Belmont, Concord and Raymond.

2023 Student Awards Calendar: Annual Reduce, Reuse, Recycle Art Contest Program

For 20 years Casella has supported a student art calendar program throughout the company footprint. The purpose of the program is to encourage students to Recycle BetterTM while learning ways to reduce, reuse and recycle as much as possible. Teachers and students are encouraged to discuss ways to reduce the amount of material taken to landfills by recycling or reuse and the impacts to the environment for future generations.

Teaching aids such as a recycling match game are included in the classroom packet. After the discussion, students are encouraged to create their own drawing to illustrate what waste reduction, reuse and recycling means to them and submit it for a change to win placement on the calendar. Invitations to participate in the annual calendar program are sent to every 3rd



grade classroom in New Hampshire. (2024 calendars pictured, art submitted in 2023 contest.)

Advancing New Hampshire's Solid Waste Goals and Hierarchy

Summary of assistance provided to NH solid waste generators Reporting Year: 2023

Casella supports New Hampshire's solid waste hierarchy and goals through the services we provide, through participation and donation of services to community events, and through investments in community education and outreach. Examples from the reporting year are listed below. This list is not meant to be comprehensive, but rather a general summary highlighting relevant examples.

Туре	NH Generator / Customer Name	2 NH City/Town	Hierarchy Category	Support provided by Casella
Service	Phillips Exeter Academy	Exeter	Reuse and Recycling	Phillips Exeter Academy is a private high school. Casella supports them with services for recycling, compost, education/signage, diversion dashboards, and more. We have successfully executed Green Move Out programs with the Academy & Goodwill of NNE over the last 8 years.
Service	Goodwill NNE	Hudson	Reuse and Recycling	Through partnership with GWNNE and institutional customers, Casella manages donation programs to support reuse goals, with an emphasis on reusable goods and textiles.
Service	Apparel Impact Drop Boxes	Bethlehem, Raymond, Concord	Reuse and Recycling	The listed Transfer Stations host a textiles recycling drop box from the textiles recycling company Apparel Impact.
Service	Southern New Hampshire University	Manchester	Recycling	Recycling services for the campus. Compactor monitors to improve efficiencies and reduce hauls by 30%. Support recycling education and outreach on campus, including: Recycle Sort It event with their sustainability students.
Service	Brewster Academy	Wolfeboro	Recycling	Recycling services for the campus. Compactor monitors to improve efficiencies and reduce hauls by 30%. Support recycling education and outreach on campus, including: Recycle Sort It event with their sustainability students.
Service	Hudson School District	Hudson	Recycling	Recycling services for all schools.
Service	Newmarket School District	Hudson	Recycling	Recycling services for all schools.
Service	Town of Belmont	Belmont	Recycling	Transition to automated collection 1-1-23. Received grant funding from The Recycling Partnership. Also adjusted recycling service schedule to manage customers' costs.
Service	City of Laconia	Laconia	Recycling	Automated curbside collection of trash and recycling, bulk waste collection, yard waste collection, and others. The City and Casella have collaborated throughout the years to improve safety, services, and resident experience. Most recently the City converted from manual to automated curbside collection. During the transition to automated collection, the City received grant funding from TRP which supports communication campaigns to residents to educate and promote recycling. We have also worked with the City to consolidate and improve efficiencies with their cardboard recycling equipment. We conducted a recycle audit post automation and found that they maintained contamination rates well below 10%.
Service	St. Paul's School	Concord	Recycling and Organics Recycling	Recycling services provided. EcoFest event education support provided, including recycling and composting education with ~100 students. Grind2Energy (G2E) system to capture all food waste generated at the dining hall on campus and send to AD.
Service	Manchester NH WWTP	Manchester	Organics Recycling	The Manchester WWTP is a water resource recovery facility. We manage their solids to Envirem Organics for recovery. We collaborate on logistics to minimize fuel usage, emissions, and costs.
Service	SAU 16 School District	Exeter, Stratham, Newfields, Brentwood, East Kingston	Recycling	Recycling service for all schools.
Service	Town of Pembroke	Pembroke	Recycling	Curbside disposal and Recycling service provdied by public works. We receive recycle material from the program through Allenstown Transfer Station. We fully service town of Pembroke Transfer Station which includes a recycle roll-off container.
Service	Town of Raymond	Raymond	Recycling	Have recycle roll off gambrels at transfer station. Also looking to add mattress recycling trailer.
Service	Concord Regional Solid Waste Recovery Coop		Recycling	Mattress Recycling Depot located at Concord Transfer Station; recycling approximately 3100 matterss units/pr year servicing the 27 towns of the CRSWRC.

Service Donation &	Girls on the Run NH		Recycling/Donation	Donated recycling services/volunteers to events of over 5,000 runners in the Spring and 2,500 runners in the fall.
Volunteering				Turners in the Spring and 2,300 turners in the fair.
Service	The Prouty Cancer Walk and Ride		Recycling/Donation	Donated recycling services.volunteers to event of 4200 participants
Donation &				and 1100 volunteers.
Volunteering				
Service	CHAD Half Marathon (Children's		Recycling/Donation	Donated recycling services, volunteers to event of 2000
Donation &	hospital at Dartmouth)			participants.
Volunteering				
Service	Rescue Me 5k - supports	Lincoln	Recycling/ Donation	November 2023, Donated recycle services to their event - 500
Donation &	Androscoggin Search and Rescue			attendees.
Volunteering	Team			NOVO TO 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Service	Veterans 2 Veterans Group Thrift	Franconia		V2VG Thrift is a non-profit thrift store. Casella has donated
Donation &				recycling services to assist the store in recycling.
Volunteering				
Community	Waypoint Touch-a-Truck	Portsmouth	Recycling	We provided recycling services and participated in the touch-a-
Education	Waypoint roden a Track	Tortsmouth	Recycling	truck.
Community	Greenland Central School -	Greenland	Recycling	We provided recycling services and signage for the event.
Education	Community Fun Run			
Community	Recycling videos	All	Recycling	Casella generates educational recycling videos that our local teams
Education				then distribute to our municipal contacts. These videos are shared
				with residents via social media and sometimes added to Town
				webpages.
Community	Lakes Region Annual Fundraiser-	Meredith- Lakes	Community Education	Casella is the presenting sponsor at the annual LRTA fundraiser.
Education	Meredith, NH, April 2023	Region		Casella donated a composter and reusable bags for the event
		Businesses		auction as well as hosting an educational table for attendees on
				waste reduction and recycling. Approx. 500 attendees.
Service/	Concord	In Town Concord	Recycling	Casella donated recycling and waste service to InTown Concord,
Donation				Market Days 3 day Festival in June, 2023.

VEHICLE REQUIREMENTS

- Please have hooks on the front and rear of vehicle that are suitable for pulling (drivers are required to hook their own equipment).
- Trucks and trailers must be in good working condition.
- Vehicles MUST be equipped with CB radios (channel 39).
- Any applicable paperwork should be with your truck.
- Hard hats, hi-visibility vest, and boots are required any time you are out of your truck.
- Prior to exiting vehicle, contact with the equipment operator must be made.
- No visible leaks from vehicle shall be present.
- Waste load must be contained (i.e, tailgate, tarp, etc.) until reaching the working face.
- USE OF JAKE/ENGINE/COMPRESSION BRAKE IS FORBIDDEN ON THE LANDFILL PREMISES

SCALEHOUSE INSTRUCTIONS

- PLEASE USE CB CHANNEL 39 (AVOID NON-LANDFILL CONVERSATIONS)
- All paperwork associated with waste load/vehicle shall be completed prior to entering the scale location (i.e., Bill of Lading, Origin, Signatures, Non-Hazardous Manifest, etc.).
 Vehicle driver signature is required.
- After all associated paperwork is reviewed, and the Scale house approves the disposal of the waste load, proceed to the un-tarping area and wait for further instructions from the landfill operators.
- Once the load is dumped, and vehicle is cleaned out, proceed
 to scale for final processing. Follow all instructions of the
 scale operator including signing the ticket. Once the
 vehicle exits the scale, check tires and vehicle for rocks and
 debris, and proceed to landfill exit.
- Last, but not least, DRIVE SAFELY.

NCES LANDFILL INFORMATION

OPERATING HOURS AND SITE ENTRY PROCEDURES

- Monday through Friday 6:30am 3:00 pm
- NO PARKING along Route 3 & Trudeau Road or in front of gate.
- Trucks shall not be permitted in the landfill prior to posted opening times.
- Checks and Credit Cards are accepted or pre-approval for In house charge account.

BANNED WASTE - NOT ACCEPTED AT THIS FACILITY

- No special waste (Industrial Waste) shall be accepted without prior approval
- Biomedical Waste
- Radioactive Waste
- Universal Waste/Hazardous Waste
- Regulated PCB Waste
- Liquid waste defined as waste containing less than 20% solids or waste not passing the paint filter test
- Landscape and/or Yard waste.
- Whole tires of any size or shape, (cut tires will be permitted)
- Lead acid batteries
- White goods (washer, dryers, refrigerators, etc.)
- Large Animal Carcasses
- No drums (unless both ends are removed and they are crushed)
- Anything that contains Freon

WASTE REQUIRING PRE-APPROVAL PRIOR TO DELIVERY

- Industrial Waste/Special Waste
- Contaminated soil
- Off Spec Products.
- Unusual waste (telephone poles, etc.)

DRIVER'S RESPONSIBILITY

- Please remain alert and responsive when entering the facility. SPEED LIMIT IS 15 MPH.
- All drivers MUST wear their HARD HATS and HI-VISIBILITY VEST if outside their vehicle. Also drivers MUST STAY IN THEIR VEHICLES after they are done un-tarping their load.
- All drivers must sweep out trailers while at designated clean-out area. Prior to exiting vehicle, contact MUST be made with the equipment operator.
- All drivers must make eye contact with the equipment operator when outside of their vehicle. Notify equipment operator AT ALL TIMES when exiting truck.
- All drivers must contact NCES Landfill personnel when having a problem with their load as soon as possible. Landfill personnel want to help correct the problem and get you on your way!!
- Driver must notify Scale house of any extraordinary waste materials such as items larger than 4 feet in any direction.
- LANDFILL EQUIPMENT HAS THE RIGHT-OF-WAY AT ALL TIMES.
- PASSING OR CUTTING IN FRONT OF OTHER CUSTOMERS VEHICLES WILL NOT BE TOLERATED AT THE LANDFILL!





Welcome to . . .

North Country Environmental Services
581 Trudeau Road
Bethlehem, NH 03574
Phone: (603)869 3366

Phone: (603)869-3366 Fax: (603)869-2152

DIRECTIONS:

Take exit 35 off 193 North. Continue on Route 3 North for 5 miles; Turn Left onto Trudeau Road; continue approximately 2 miles. Landfill is on the right.

TRAVEL INTO THE TOWN OF BETHLEHEM FROM ROUTE 302 IS NOT PERMITTED! TRUCKS VIOLATING THIS WILL NOT BE PERMITTED TO OFF LOAD AT THE LANDFILL. THANK YOU FOR YOUR COOPERATION.

NCES LANDFILL OPERATION POLICIES

- All customers are required to have a CB radio due to safety policies of the landfill. The Landfill utilizes Channel # 39. PLEASE REFRAIN FROM NON-LANDFILL COMMUNICATION ON THIS CHANNEL TO PREVENT MISCOMMUNICATION.
- All paperwork (manifest, etc.), shall be completed prior to entering the scales. Manifest, truck number, and customer information shall be provided to scale attendant. Special Waste loads MUST be accompanied with a manifest (driver must be prepared to provide upon request). The scale attendant MUST be notified of any unusual loads, such as telephone poles, etc.
- ALL VEHICLES MUST STOP PRIOR TO DRIVING ONTO THE SCALE.
- DO NOT SHUT YOUR TRUCK OFF WHILE ON THE SCALE.
- After the weight of the truck has been recorded, the scale attendant will provide further directions to the driver of where to proceed.
- Proceed to un-tarping area, un-tarp load, and return to cab of truck immediately. Due to landfill safety policies, high visibility vest shall be worn when outside the cab of the truck and on landfill property. The driver shall remain in the cab of the truck when waiting to offload waste.
- NCES Landfill employees shall provide further instructions to all drivers by means of CB Channel 39
- As required during inclement weather, all drivers shall be prepared to attach a cable to your vehicle. As stated above, all required PPE is to be utilized when outside cab of vehicle. Landfill employees are forbidden to push vehicles — written authorization from customer management will be required prior to pushing of any vehicles. Stuck or disabled vehicles will be pulled to an appropriate location. Drivers must hook the chain or cable to their vehicle. NCES Landfill will not be responsible for damage as a result.

NCES LANDFILL OPERATION POLICIES

(continued)

- If the vehicle has a tailgate, the driver shall only open the vehicle door within the off-loading area. Notification to begin unloading shall come from landfill employees (by means of CB Channel 39). The driver shall not exit the vehicle again until entering the posted clean-out area. Prior to exiting truck at any time, contact shall be made with the equipment operator (by means of CB Channel 39).
- Once completed cleaning out truck, proceed directly to the scale to be weighed out. All vehicles must be cleaned out, and gates cleaned off, prior to leaving landfill designated sweep-out area.
- Upon re-entering scale area, wait for further instructions from attendant and sign scale ticket prior to departing scale.
- After exiting the scale and prior to entering the public highway, ALL DRIVERS SHALL CHECK TIRES FOR ROCKS AND/OR OTHER DEBRIS.
- NO SMOKING ON PREMISES.
- No guns, weapons, drugs, alcohol or unprofessional behavior will be tolerated on site.
- In case of emergency, drivers and customers shall first remove themselves from danger. Then report/contact site personnel for further instructions.
- USE OF JAKE/ENGINE/COMPRESSION BRAKE IS FORBIDDEN ON THE LANDFILL PREMISES

VIOLATION OF LANDFILL POLICIES AND PROCEDURES WILL RESULT IN DISPLINARY MEASURES UP TO AND INCLUDING BANNING FROM THE FACILITY.