



ANNUAL FACILITY REPORT

Active Solid Waste Facilities

Reporting Year 2020



Waste Management Division, SWMB

RSA 149-M / Env-Sw 1105.07

Complete and return this form by **MARCH 31, 2021.**

1. Facility Identification [Env-Sw 1105.13(a)]

Facility Name AVRRDD - MT. CARBERRY SECURE LANDFILL	
Physical Street Address BEAN BROOK ROAD	
Town/City SUCCESS, N.H.	Permit Number DES-SW-88-029

2. Permittee Information [Env-Sw 1105.13(b)]

Name ANDROSCOGGIN VALLEY REGIONAL REFUSE DISPOSAL DISTRICT		
Mailing Address P. O. BOX 336		
Town/City BERLIN	State N. H.	ZIP Code 03570
Email Address sgauthier@avrrdd.org	Daytime Phone Number (603) 752-3342	

3. Contact Person Check this box if this information has changed from last year.

Name SHARON E GAUTHIER	Job Title EXECUTIVE DIRECTOR
Affiliation ANDROSCOGGIN VALLEY REGIONAL REFUSE DISPOSAL DISTRICT	
Email Address sgauthier@avrrdd.org	Daytime Phone Number (603) 752-3342

4. Facility Status [Env-Sw 1105.13(d)]

<input checked="" type="checkbox"/> Operated the entire calendar year.
<input type="checkbox"/> Did not operate in the calendar year.
<input type="checkbox"/> Operated part of the calendar year only. Started operating on ___/___/2020 Stopped operating on ___/___/2020 Month / Day Month / Day

5. Facility Status – Operating Landfills Only [Env-Sw 1105.13(d)] **SEE REPORT ATTACHED**

Estimated remaining life (in years).
Estimated remaining permitted capacity (in cubic yards) as of 12/31/2020, based on a site survey.
Attach a <i>brief</i> summary of facility inspection and maintenance activities in accordance with <u>Env-Sw 806.08(i)(2)a</u> , and the analysis of remaining capacity per <u>Env-Sw 806.08(i)(2)b</u> .

6. Facility Operator Information [Env-Sw 1105.13(c)]

Name	Certificate Number	Expiration Date	Still Working at Facility as of December 31?
1. <i>MATHEW HENRY</i>	<i>2982</i>	<i>5/8/21</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. <i>TIMOTHY FISKE</i>	<i>1465</i>	<i>5/8/21</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. <i>PAUL LABRECQUE</i>	<i>2930</i>	<i>5/8/21</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. <i>BRUCE HAMILTON</i>	<i>5078</i>	<i>4/19/21</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5. <i>DOUGLAS HILL</i>	<i>5402</i>	<i>1/29/22</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Additional Facility Operator Information is attached to this Annual Facility Report.

7. Waste and Recyclables Received & Shipped [Env-Sw 1105.13(e) / Env-Sw 1105.13(f)]

Type of Waste

SEE ATTACHED REPORT

Note: Universal Wastes and Used Oil are included in Section 11, so do NOT enter them here.

<input checked="" type="checkbox"/> Ash	<input type="checkbox"/> Electronic Waste	<input type="checkbox"/> Recyclable Materials
<input checked="" type="checkbox"/> Asbestos	<input type="checkbox"/> Food Waste Composted Onsite	<input type="checkbox"/> Scrap Metal
<input checked="" type="checkbox"/> Bulky Waste	<input type="checkbox"/> Food Waste Transferred to Composter/Processor	<input type="checkbox"/> White Goods
<input checked="" type="checkbox"/> C&D Debris	<input type="checkbox"/> Infectious Waste	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Contaminated Soil	<input checked="" type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> Other:

Quantity of Waste

Quantity of Waste Received		Quantity of Waste Shipped <i>N/A</i>	
C&D Debris Received:		C&D Debris Shipped:	
From NH Sources	tons	To NH Destinations	tons
From Out-of-State Sources	tons	To Out-of-State Destinations	tons
Total Received	tons	Total Shipped	tons
Recyclables Received:		Recyclables Shipped:	
From NH Sources	tons	To NH Destinations	tons
From Out-of-State Sources	tons	To Out-of-State Destinations	tons
Total Received	tons	Total Shipped	tons
Mixed Solid Waste/General Refuse Received:		Mixed Solid Waste/General Refuse Shipped:	
From NH Sources	tons	To NH Destinations	tons
From Out-of-State Sources	tons	To Out-of-State Destinations	tons
Total Received	tons	Total Shipped	tons

SEE ATTACHED REPORT

8. Estimated Quantity of Waste Stored at the Facility as of December 31, 2020 [Env-Sw 1105.13(i)] *N/A*

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:	
Food Waste	tons	Other:	

9. Bypass and Residual Waste [Env-Sw 1105.13(g)]

Note: Please refer to the instructions for definitions of bypass waste and residual waste.

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	14,631,242 gallons	N/A gallons	N/A gallons	N/A gallons

PIPED TO CITY OF BERLIN WASTEWATER TREATMENT PLANT

10. Facilities Producing Certified Waste-Derived Products [Env-Sw 1105.13(h)]

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

I CAN NOT 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, and have attached a detailed explanation of the situation and actions taken or being taken to remedy the problem.

11. Other Activities Taking Place at the Facility

<input type="checkbox"/> Burn Pile	<input type="checkbox"/> Refrigerant Removal	<input checked="" type="checkbox"/> Other: <i>GLASS CRUSHED & USED AS COVER</i>
<input type="checkbox"/> Household Hazardous Waste Collection	<input type="checkbox"/> Swap Shop	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Leaf & Yard Waste <i>NOT LANDFILL - COMPOSTING ON PROPERTY</i>	<input type="checkbox"/> Collection of Used Oil for Recycle	<input type="checkbox"/> Other:
<input type="checkbox"/> Used Oil Burner: EPA ID No. NHD		
Universal Waste Collection		
<input type="checkbox"/> Antifreeze	<input type="checkbox"/> Batteries (Rechargeable)	<input type="checkbox"/> Fluorescent Lamps
<input type="checkbox"/> Batteries (Automotive)	<input type="checkbox"/> Cathode Ray Tubes (CRTs)	<input type="checkbox"/> Mercury-Containing Devices

12. Summary and Assessment of Environmental Monitoring [Env-Sw 1105.13(j)]

- None required and none undertaken.
- 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 [Env-Sw 1105.13(k)]

- Permit does not include a public benefit condition. (No discussion is required)
- Permit includes a public benefit condition. (A discussion is attached to this report)

14. Compliance Certification [Env-Sw 1105.13(l) or Env-Sw 1105.13(m)]

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

Yes	No	N/A	
<input type="checkbox"/>	<input type="checkbox"/>		The facility's current operating plan. <i>SEE ATTACHED</i>
<input type="checkbox"/>	<input type="checkbox"/>		All terms and conditions of the facility's permit. <i>SEE ATTACHED</i>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Env-Sw 900 for asbestos, ash, contaminated soils, infectious waste, and ^{N/A} other ^{N/A} solvents .
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Env-Hw 1100 for the management of Universal Wastes.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Env-Hw 807 for the management of Used Oil.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Env-A 1000 for the operation of a burn pile.

If you checked "No" to any of the above, attach an explanation and proposed schedule for achieving compliance.

15. Signature [Env-Sw 1105.13(o)]

By signing below, I affirm that the material and information submitted in this report is correct and complete to the best of my knowledge and belief, and that I am the permittee or a person duly authorized to sign for the permittee.

Sharon E. Gauthier
Signature of Permittee or Duly Authorized Individual

3/30/2021
Date

SHARON E. GAUTHIER
Printed Name of Signatory

EXECUTIVE DIRECTOR
Title / Permittee Affiliation

This report contains 9 attached pages (not applicable unless you have provided additional pages).

Form Submittal Instructions:

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.

Item 6. Facility Operator Information

Name	Certificate Number	Expiration Date	Still Working at Facility as of December 31
Roger Leclerc	6003	8/8/21	Yes
Alain Halle	6122	8/12/21	Yes
Timothy Hill	6360	2/5/22	Yes
Mark Nadeau	4040	3/6/22	Yes
Vincent Donato	4076	9/4/21	Yes

**2020 ANNUAL FACILITY REPORT FOR LANDFILLS
AVRRDD-MT. CARBERRY LANDFILL**

Waste Type	List of New Hampshire		List Other States	
	Towns Using Facility	Amount	Using Facility	Amount
Residential MSW	Bartlett	922.07	Maine	1,785.07
	Berlin	3,817.31	Vermont	588.85
	Colebrook	686.25		
	Columbia	159.44		
	Carroll	282.61		
	Coos Unincorporated	33.20		
	Dummer	130.82		
	Dalton	107.75		
	Errol	147.86		
	Gorham	1,092.39		
	Jackson	439.06		
	Jefferson	215.51		
	Lancaster	546.45		
	Meredith	2,930.22		
	Milan	587.19		
	New London	2,059.94		
	North Stratford	132.36		
	Northumberland	772.55		
	Pittsburg	437.29		
	Randolph	96.72		
	Shelburne	81.02		
Stark	78.71			
Stewartstown	460.85			
Washington	378.93			
Whitefield	313.04			
Total		16,909.54		2,373.92
Commercial/Industrial MSW		54,473.11	Maine	44,607.79
			Vermont	3,126.73
			Mass	0.00
Total		54,473.11		47,734.52
Residential Construction/Demolition Debris	AVRRDD	0.00		
	Bartlett	464.58	Maine	868.37
	Berlin	434.54	Vermont	300.22
	Colebrook	184.68		
	Columbia	50.25		
	Carroll	101.24		
	Coos County Unincorporated	7.39		
	Dalton	59.34		
	Errol	0.00		
	Gorham	0.00		
	Jackson	243.16		
	Jefferson	153.97		
	Lancaster	928.00		
	Meredith	1,725.37		
	Milan	2.52		
	New London	0.00		
	North Stratford	135.54		
	Northumberland	325.61		
	Pittsburg	162.89		
	Randolph	36.77		
	Shelburne	14.37		
	Stark	78.97		
	Stewartstown	145.22		
	Washington	0.00		
	Whitefield	151.32		
Total		5,405.73		1,168.59
Commercial/Industrial Construction/Demolition Debris		63,549.65	Maine	238.65
			Vermont	3,309.03
			Massachusetts	0.00
Total		63,549.65		3,547.68

**Other:
Residential**

Asbestos	AVRRDD	0.00	
	Berlin	5.10	
Bulkie Waste	AVRRDD	1,334.51	
	Berlin	0.00	
	Bartlett	37.55	
	Gorham	269.10	
	Washington	175.18	
	Shelburne	33.41	
	Jefferson	0.00	
	Carroll	12.80	
	Pittsburg	16.07	
	Colebrook	9.34	
	Northumberland	11.15	
	Jackson	5.95	
	Stark	10.28	
	Whitefield	21.31	
	Strafford	4.92	
Ash	Berlin	0.00	
Sludge	Berlin	1,600.97	
	Gorham	252.90	
	Pittsburg	94.45	
Grit	Berlin	21.39	
Contaminated Soil	AVRRDD	0.00	
	Shelburne	0.00	
	Whitefield	0.00	
	Berlin	0.00	
Reusable's:			
Crushed Glass	AVRRDD	389.35	
	Bartlett	188.66	
	Jefferson	31.52	
	Coos Recycling	131.60	
	Vermont		16.88
Sand	Gorham	0.00	
Sand	Berlin	1,823.37	
Cover Soil	AVRRDD	0.00	
Ground Wood	AVRRDD	799.83	
Total		7,280.51	16.88

**Other:
Commercial**

Asbestos	62.31 Vt.	0.00
Ash-Coal	0.00	
Ash/Soda Ash	0.00 Maine	0.00
Bulkie Waste	274.10 Vt.	12.69
	Maine	6.18
Contaminated Soil	3,501.64 Maine	0.00
Contaminated Wood	0.00 Massachusetts	0.00
	Rhode Island	0.00
	Vt.	0.00
Grit	0.00	
Dir/Grv/Snd/CrushedStn/Rec	0.00	
Other	0.00	
Sludge	0.00	
Sludge/RipRap	0.00	
Metal Dust	1.79	
Fluff Waste	Massachusetts	0.00
Reusable's:		
C&D Fines	0.00 Massachusetts	0.00
Wood Chips	0.00 Massachusetts	0.00
Ground Wood	0.00 Maine	0.00
	Massachusetts	0.00
Fluff	Massachusetts	70,473.55
Contaminated Dirt	0.00	
Total	3,839.84	70,492.42

Total In-State & Out of State	151,458.38	125,334.01
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Mt. Carberry Pit	
Sand	27,916.20

M/JI	
Sludge	8,893.44
Asbestos	3.19
Paper/Cardboard/Cores/Felts/Misc	406.64
C & D	0.00
Other	0.00
MSW	0.00
Grand Total	314,011.66

AVRRDD - Mt. Carberry Secure Landfill
2020 Summary and Assessment of Environmental Monitoring

Date Submitted	Title of Document	Type of Monitoring
REPORTS SUBMITTED TO NHDES		
1/29/2021	2020 Annual Groundwater Report	Groundwater Quality
4/23/2020	1st 2020 Tri-annual Testing of Landfill Gas Composition	Air Quality
8/21/2020	2nd 2020 Tri-annual Testing of Landfill Gas Composition	Air Quality
12/4/2020	3rd 2020 Tri-annual Testing of Landfill Gas Composition	Air Quality
7/24/2020	1st 2020 Semi-annual Permit Deviation and Monitoring Report	Air Quality
1/18/2021	2nd 2020 Semi-annual Permit Deviation and Monitoring Report	Air Quality
5/19/2020	1st 2020 SEM and Monthly Cover Integrity Checks	Air Quality
6/30/2020	2nd 2020 SEM and Monthly Cover Integrity Checks	Air Quality
10/29/2020	3rd 2020 SEM and Monthly Cover Integrity Checks	Air Quality
12/15/2020	4th 2020 SEM and Monthly Cover Integrity Checks	Air Quality
4/30/2020	1st 2020 Quarter Landfill Report	Solid Waste
7/31/2020	2nd 2020 Quarter Landfill Report	Solid Waste
10/30/2020	3rd 2020 Quarter Landfill Report	Solid Waste
1/28/2021	4th 2020 Quarter Landfill Report	Solid Waste
REPORTS SUBMITTED TO USEPA AND CITY OF BERLIN		
Mar-20	Q1 Visual Inspection	MSGP - Stormwater Quality
Apr-20	Q2 Visual Inspection	MSGP - Stormwater Quality
Aug-20	Q3 Visual Inspection	MSGP - Stormwater Quality
Nov-20	Q4 Visual Inspection	MSGP - Stormwater Quality
	MSGP Annual Report - Permit Expired, will be renewed in 2021	MSGP - Stormwater Quality
4/24/2020	1st 2020 Quarter City Leachate Agreement Report	Leachate Quality
7/15/2020	2nd 2020 Quarter City Leachate Agreement Report	Leachate Quality
10/23/2020	3rd 2020 Quarter City Leachate Agreement Report	Leachate Quality
1/21/2021	4th 2020 Quarter City Leachate Agreement Report	Leachate Quality

Item 5. Facility Status

Both the time and volume estimates below are based on the October 2020 annual survey and a permitted filling rate 305,500 cy/year.

Box 1 – Estimated Remaining Life (in years) as of 12/31/20:

- Estimated remaining life of Stage 5&6 as of 12/31/20 = 3.63 years (08/18/2024)
- Estimated remaining life through Stage 12 as of 12/31/20 = 5.96 years (12/14/2026)
- Estimated remaining life through Phase IIIA as of 12/31/20 = 22.3 years (4/13/2043)
- Estimated total remaining life through the end of Phase III as of 12/31/20= 28.9 years (11/16/2049)

Box 2 – Estimated remaining permitted capacity (in cubic yards) as of 12/31/20:

- Volume remaining in Stage 5&6 (Phases I&II) as of 12/31/20 = 1,110,000 cy
- Volume remaining through Stage 12 (Phases I&II) as of 12/31/20 = 1,820,000 cy
- Volume remaining through Phase IIIA (Phases I&II) as of 12/31/20 = 6,812,000 cy
- Total Volume remaining in Phases I-III = 8,828,000 cy

Box 3 – Attach a brief summary of inspection and maintenance activities in accordance with Env-Sw 806.08(j):

In 2020, landfill personnel performed regular facility, infrastructure, and equipment inspections which include all items outlined in Env-Sw 806.08(c) as follows:

- Roads;
- Berms (Landfill, leachate storage pond, and stormwater detention pond);
- Active and inactive filling areas;
- Pipes;
- Vaults;
- Valves;
- Above ground storage tanks;
- Ponds;
- Equipment;
- Temporary, intermediate and final cover;
- Groundwater monitoring wells and piezometers; and
- Gas management devices.

Inspection records are kept at the facility and the District office. Operating data is provided to the NHDES in the quarterly landfill report.

Maintenance activities performed at the facility in 2020 include:

- In 2020 AVRRDD completed construction of the “2020 LFG System Expansion” project, which was an annual landfill gas expansion into recently filled areas on the landfill for gas collection.
- Swept paved roads;

Mt. Carberry Secure Landfill
Annual Report – Additional Information

- Applied water to roads as necessary to control dust;
- Regraded and back-dragged gravel roads and shoulders;
- Exercised valves;
- Mowing grass and other vegetation maintenance;
- Applying additional intermediate soil & ADC cover to inactive exposed areas as necessary;
- Patched existing temporary HDPE geomembrane cover as necessary;
- Placed additional temporary HDPE geomembrane cover;
- Regular landfill equipment maintenance and service;
- Camera inspection of the entire leachate sewer and force main and hydro jetting where needed;
- Regular leachate siphon flushing using the flushing pump;
- Litter cleanup;
- Repaired litter fence as necessary;
- Removed silt from stormwater swales, culverts, and ponds;
- Applied grass seed as necessary;
- Regraded borrow pits slopes as necessary;
- Repaired facility signage as necessary;
- Expanded landfill gas collection system into areas without collection
- Performed routine monitoring and reporting for leachate, groundwater, air monitoring and the landfill gas collection and control system; and
- General landfill gas system maintenance and equipment servicing.

Item 12. Summary and Assessment of Environmental Monitoring in 2020 (Env-SW 1105.13(j))

Environmental monitoring at the landfill was conducted during 2020 in accordance with the following permits:

- DES Solid Waste Landfill Permit – DES-SW-88-029;
- DES Groundwater Release Detection Permit was renewed in November 2019 – GWP-198706016-S-06;
- DES Title V Air Permit – TV-0057;
- EPA 2015 NPDES MSGP for Stormwater Discharges Associated with Industrial Activity – NHR053092 (Tracking Number); and
- City of Berlin Leachate Discharge Permit.

Required NHDES reporting is submitted to the NHDES per each respective permit. Records for the NPDES 2015 MSGP is maintained at the District offices and submitted electronically via USEPA's NetDMR website. Application is being made for coverage under the 2021 MGSP which will replace the 2015 MSGP. The City of Berlin Leachate Discharge Reports are maintained at the District offices and on-site. In 2020, the results of monitoring have been in accordance with project requirements.

Mt. Carberry Secure Landfill
Annual Report – Additional Information

Similar to 2017 - 2019, groundwater quality sampling and analysis was performed in 2020. 1,4-dioxane was detected in 2020 downgradient of the leachate storage pond above the ambient groundwater quality standard (AGQS) at CMW-101B. NHDES PFAS standards were reestablished at the lower limits on July 23, 2020 and PFOA was also detected above the lowered AGQS of 12 ng/L. Multiple inorganic compounds were measured above background concentrations and manganese was detected above its AGQS. The corrective action plan (CAP) approved by NHDES on May 31, 2017, continues to be followed including increased groundwater quality monitoring at locations in the vicinity of the impacts, ongoing groundwater and infrastructure evaluations, and ongoing groundwater pump-and-treat operations. Replacement and rehabilitation of the leachate sewer upgradient of this area has been completed.

See attached a summary table of compliance reporting including the date submitted, title of the report, and compliance category.

Item 13. Public Benefit Discussion (Env-Sw 1105.13(k))

The District provides substantial public benefit by:

- **Providing required capacity to the State of NH**

Per the February 11, 2005, NHDES Type I-B permit modification approval, “the landfill must remain in operation for 18 years from issuance of this permit, which corresponds to December 31, 2022.” As of December 31, 2020, the Mt. Carberry Secure Landfill has available remaining capacity to meet this permit requirement at current tonnage acceptance rates.

In addition to the permit requirement above, the AVRRDD is a quasi-municipal RSA:53B waste management district serving its nine local community members and unincorporated places in Coos County, as listed below.

Berlin	Dummer	Errol
Gorham	Jefferson	Milan
Northumberland	Randolph	Stark
Coos County for Unincorporated Places		

In 2020 the Mt. Carberry Landfill directly served 14 additional communities, 11 of which are considered Northern New Hampshire communities, for disposal of municipal solid waste, C&D, bulky and other wastes. These 13 communities are located in the following NH counties:

Coos County	Carroll County	Sullivan County
Belknap County	Merrimack County	

Consistent with the original purpose of the landfill, the Mt. Carberry Landfill continues to provide dedicated disposal capacity to the White Mountain Tissue (formerly Gorham Paper and

Tissue) mill located in Gorham, NH. The landfill also provides fuel to the mill in the form of landfill gas used in the mill's main boilers. The mill is a vital component of the local economy and these disposal and energy arrangements are key elements in its economic viability.

The landfill also accepts various industrial generated solid wastes from the local biopower facility, Berlin Station, LLC, that cannot be recycled or reused.

In summary, the MCSL provides local waste management services to a large portion of the northern section of the state including municipal, commercial and industrial users. The rate of utilization of the currently permitted and operating Phase I & II portions of the landfill is within permit requirements for maintaining capacity through December 31, 2022 consistent with public benefit requirements.

The Stage 12 expansion provides an additional permitted 2.3 years of capacity beyond Stages 1-11 to continue to provide this public benefit. An application has been made to complete permitting for the planned Phase IIIA expansion to provide an additional 16.3 years of capacity.

- ***Assist the State to implement its waste management hierarchy goals***

The State waste management hierarchy and goals contain two principal components: the effect the facility will have on the State's ability to achieve a 40% minimum weight reduction in the solid waste stream on a per capita basis, and supporting the waste hierarchy which favors recycling and reuse over other waste disposal methods including discouraging the disposal of recyclable materials in landfills.

The District runs an integrated waste management system which includes two primary facilities, the AVRDD Transfer Station and Material Recycling Facility (MRF) and the Mt. Carberry Secure Landfill (MCSL).

The District's Transfer Station and MRF provide for both residential drop-off and municipal and commercially collected recyclables and other special wastes. Recyclable fiber and containers are source separated and baled for maximum future reuse. The facility serves the ten member communities plus is open to outside communities, subject to agreements with AVRDD, including availability to all communities served by the landfill. Each of the District communities has its own recycling collection system, which are a combination of curbside collection with direct drop-off at the MRF and local transfer stations where the recyclables are transferred to the MRF for processing.

Residents from any of the member communities can directly drop-off recyclables or other allowed materials at the transfer station. Reused wastes included crushed glass, and chipped wood used for landfill daily cover. Various special wastes, including several universal wastes are managed to keep these materials out of the landfill waste stream. AVRDD also holds an annual household hazardous waste day at the MRF.

In addition to the recycling directly completed by the District, other communities which utilize the landfill provide recycling services through their municipal operations. A review was completed in 2017 of the communities that disposed of MSW at the MCSL and all communities were identified as having recycling available in their communities, primarily through recycling drop off centers.

The MCSL provides for reuse of several materials as alternate daily cover, including auto shredder residue, chipped wood, and crushed glass, as part of its operations. The MCSL provides disposal for several wastes for which there are not good alternatives to landfilling, including asbestos, contaminated soils and several industrial wastes including wastes from the paper mill.

- ***Achieve the goals of the AVRRDD and the State solid waste management plan***
Through operation of the AVRRDD Transfer Station and MRF and the MCSL, the District achieves the goals of its own solid waste management plan. The MCSL operation is consistent with the State's solid waste management plan. In March 2021, the District Solid Waste Goals were updated and the combined operation of the MRF and the MCSL continues to be consistent with the updated goals.

Item 14. Compliance Certification (Env-Sw 1105.13(l) or Env-Sw 1105.13(m))

The Mt. Carberry Secure Landfill cannot certify that was in full compliance with Env-Sw 806.06(d)(1) and (2) for all of 2020 due to the following item.

Env-Sw 806.05(b)(1) requires routine facility operations to not result in more than one foot of hydraulic head on the liner system. Hydraulic head as measured by the piezometric transducer system (Geokon) have reported head on liner above one foot in cell 8 at different periods in the first two quarters of 2020. This item was reported in the 2020 Quarterly Reports. An evaluation of this data indicated that GW-8A showed elevated head on liner consistently the same day as storm events. It is believed that because GW-8A showed head on liner the same day as a storm event, stormwater was getting into the piezometer conduit and the piezometer was reading this as head on the liner. The conduit was capped and for the fourth quarter of 2020 all data was within the required one foot of head. Based on this evaluation it is believed the previous data was in error. The head on liner will continued to be monitored to confirm ongoing compliance with Sw 806.05.