



Highway Committee

Committee Meeting

60 Central Ave.
Cortland, NY 13045
<http://www.cortland-co.org>

~ Minutes ~

Tuesday, June 6, 2023

11:00 AM

Room 302

CALL TO ORDER

The meeting was called to order at 11:04 AM by Committee Chair Christopher Newell

Attendee Name	Organization	Title	Status	Arrived
George Wagner	Cortland County, NY	Committee Member	Excused	
Linda Jones	Cortland County, NY	Committee Member	Present	
Christopher Newell	Cortland County, NY	Committee Chair	Present	
Ronald J. Van Dee	Cortland County, NY	Committee Vice Chair	Present	
Cathy Bischoff	Cortland County, NY	Committee Member	Present	
Joseph Nauseef	Cortland County, NY	Committee Member	Present	
Eugene Waldbauer	Cortland County, NY	Committee Member	Excused	
Rob Corpora	Cortland County, NY	County Administrator	Present	
Savannah Hempstead	Cortland County, NY	Clerk of the Legislature	Present	
Sandra Price	Cortland County, NY	Board Member	Present	
Andrea Herzog	Cortland County, NY	Director of Finance	Present	
Melanie Vilardi	Cortland County, NY	Deputy County Administrator	Present	
Alan Ricottilli	Cortland County, NY	Deputy Superintendent of Highways	Present	
James L. Aiken	Cortland County, NY	Supervisor of Solid Waste	Present	
Gerald Ruggiero	Cortland County, NY	Resident	Present	
Raymond Oliver	Cortland County, NY	Resident	Present	
Donald Chu	Cortland County, NY	Resident	Remote	
Margaret Mellott	Cortland Standard	Reporter	Remote	
Eddie Velazquez	Cortland Voice	Reporter	Remote	

MINUTES

1. Highway Committee - Committee Meeting - May 9, 2023 11:00 AM

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Joseph Nauseef, Committee Member
SECONDER:	Cathy Bischoff, Committee Member
AYES:	Jones, Newell, Van Dee, Bischoff, Nauseef
EXCUSED:	George Wagner, Eugene Waldbauer

RESOLUTIONS

DISCUSSION ITEMS

1. Cortland County Landfill Site Life and Financial Assurance

RESULT:	POSTPONED TO DATE CERTAIN (NO VOTE)
Next: 8/8/2023 11:00 AM	

2. Commercial Haul Route

RESULT:	POSTPONED TO DATE CERTAIN (NO VOTE)
Next: 8/8/2023 11:00 AM	

3. Dwyer Park Grant Opportunity

Following a brief discussion, there was a unanimous voice vote of members present for Committee Approval to support the application for the Forest Maintenance Grant.

RESULT:	COMPLETED
----------------	------------------

REPORTS

1. Highway Activities Report

RESULT:	COMPLETED
----------------	------------------

2. Solid Waste Activities Report

RESULT:	COMPLETED
----------------	------------------

ADJOURNMENT

The meeting was closed at 11:22 AM



Highway Committee

Committee Meeting

60 Central Ave.
Cortland, NY 13045
<http://www.cortland-co.org>

~ Minutes ~

Tuesday, May 9, 2023

11:00 AM

Room 302

CALL TO ORDER

The meeting was called to order at 11:10 AM by Committee Chair Christopher Newell

Attendee Name	Organization	Title	Status	Arrived	Departed
George Wagner	Cortland County, NY	Committee Member	Present		
Linda Jones	Cortland County, NY	Committee Member	Present		
Christopher Newell	Cortland County, NY	Committee Chair	Present		
Ronald J. Van Dee	Cortland County, NY	Committee Vice Chair	Present		
Cathy Bischoff	Cortland County, NY	Committee Member	Present		
Joseph Nauseef	Cortland County, NY	Committee Member	Present		11:45 AM
Eugene Waldbauer	Cortland County, NY	Committee Member	Present		
Kevin Fitch	Cortland County, NY	Chair of the Legislature	Present		
Rob Corpora	Cortland County, NY	County Administrator	Present		
Savannah Hempstead	Cortland County, NY	Clerk of the Legislature	Present		
Melanie Vilardi	Cortland County, NY	Deputy County Administrator	Present		
Victoria J. Monty	Cortland County, NY	County Attorney	Present		
Alan Ricottilli	Cortland County, NY	Deputy Superintendent of Highways	Present		
Sandra Price	Cortland County, NY	Board Member	Present		
Ray Oliver		Resident	Present		
Gerry Ruggiero		Resident	Present		
Beau Harbin	Cortland County, NY	Board Member	Late	11:17 AM	
Andrea Herzog	Cortland County, NY	Director of Finance	Remote		
Margaret Mellott	Cortland Standard	Reporter	Remote		

Minutes Acceptance: Minutes of May 9, 2023 11:00 AM (MINUTES)

MINUTES

1. Highway Committee - Committee Meeting - Apr 11, 2023 11:00 AM

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Eugene Waldbauer, Committee Member
SECONDER:	Joseph Nauseef, Committee Member
AYES:	Wagner, Jones, Newell, Van Dee, Bischoff, Nauseef, Waldbauer

RESOLUTIONS

AGENDA ITEM NO. 1 – Allocate 2022 Fund Balance to Airport Reserve/Amend Resolution No. 269-17 - Highway Department/Cortland County Airport

RESULT:	APPROVED [UNANIMOUS]
	Next: 5/16/2023 10:00 AM
MOVER:	Cathy Bischoff, Committee Member
SECONDER:	Linda Jones, Committee Member
AYES:	Wagner, Jones, Newell, Van Dee, Bischoff, Nauseef, Waldbauer

ON MOTION OF NEWELL**RESOLUTION NO.**

Allocate 2022 Fund Balance to Airport Reserve/Amend Resolution No. 269-17 - Highway Department/Cortland County Airport

WHEREAS, the Cortland County Legislature adopted Resolution No. 269-17 which directed that the gain or loss from A5610 accounts be placed into a dedicated reserve fund, AND

WHEREAS, Resolution No. 269-17 states, "a resolution will be prepared for board approval denoting the amount of loss or gain from the A5610 accounts that will be applied to the Airport Reserve account", AND

WHEREAS, it is the recommendation of the Highway Committee to allow the Finance Director to annually move funds into said Airport Reserve, AND

WHEREAS, the Airport had a gain in 2022 of \$14,171.33, NOW THEREFORE BE IT

RESOLVED, that the Airport Reserve (A386300.ARPT) be increased \$14,171.33 for 2022 gains, AND BE IT FURTHER

RESOLVED, that Resolution No. 269-17 be and hereby is amended to change the second RESOLVED clause to read, "the Finance Director be and hereby is authorized, at the end of each fiscal year, to move gains in A5610 accounts to the Airport Reserve."

AGENDA ITEM NO. 2 – Authorize Memorandum of Understanding with City of Cortland for Leachate and Sludge

Mr. Wagner MADE A MOTION TO SUSPEND THE RULES to entertain a resolution not previously on the agenda, Ms. Bischoff SECONDED THE MOTION, and upon unanimous voice vote of members present, MOTION CARRIED.

RESULT:	APPROVED [UNANIMOUS]
	Next: 5/25/2023 6:00 PM
MOVER:	Ronald J. Van Dee, Committee Vice Chair
SECONDER:	Eugene Waldbauer, Committee Member
AYES:	Wagner, Jones, Newell, Van Dee, Bischoff, Nauseef, Waldbauer

ON MOTION OF NEWELL**RESOLUTION NO.****Authorize Memorandum of Understanding with City of Cortland for Leachate and Sludge**

WHEREAS, the operation of the Cortland County Landfill generates and will in the future generate leachate, AND

WHEREAS, the operation of the Wastewater Treatment Facility generates and will in the future generate sludge, AND

WHEREAS, the Highway Committee recommends entering into a twenty-five (25) year Memorandum of Understanding (MOU) with the City of Cortland to formalize the agreement relative to the disposal and acceptance of leachate and sludge, with the option to extend for additional ten (10) year terms, NOW THEREFORE BE IT

RESOLVED, that the County Administrator, upon approval by the County Attorney or designee, be and hereby is authorized to execute a Memorandum of Understanding with the City of Cortland for the disposal and acceptance of leachate and sludge for a twenty-five (25) year term, with the option to extend for additional ten (10) year terms.

AGENDA ITEM NO. 3 – Create Three (3) Part-Time Wade Pool Attendants - Highway Department

RESULT:	APPROVED [UNANIMOUS]
	Next: 5/16/2023 10:00 AM
MOVER:	Joseph Nauseef, Committee Member
SECONDER:	Cathy Bischoff, Committee Member
AYES:	Wagner, Jones, Newell, Van Dee, Bischoff, Nauseef, Waldbauer

ON MOTION OF NEWELL**RESOLUTION NO.****Create Three (3) Part-Time Wade Pool Attendants - Highway Department**

WHEREAS, the needs of the Highway Department will be better served by creating three (3) part-time Wade Pool Attendants (less than 20 hours/week, up to 90 days per year), AND

WHEREAS, the Highway Committee recommends the creation of these positions, NOW THEREFORE BE IT

RESOLVED, that three (3) positions of part-time Wade Pool Attendant (\$15.20/hour (\$1.00 over minimum wage), non-competitive class, part-time less than 20 hours/week, up to 90 days per year, no benefits) be created with permission to fill effective May 26, 2023 at 12:01 am.

AGENDA ITEM NO. 4 – Allocate Remaining Funds from Dwyer Park Dock to Dwyer Park Splash Pad - Highway Department

RESULT: **APPROVED [UNANIMOUS]**

Next: 5/16/2023 10:00 AM

MOVER: Ronald J. Van Dee, Committee Vice Chair

SECONDER: Eugene Waldbauer, Committee Member

AYES: Wagner, Jones, Newell, Van Dee, Bischoff, Nauseef, Waldbauer

ON MOTION OF NEWELL

RESOLUTION NO.

Allocate Remaining Funds from Dwyer Park Dock to Dwyer Park Splash Pad - Highway Department

WHEREAS, the Cortland County Legislature adopted Resolution No. 203-22 on September 22, 2022, which authorized the construction of a new dock at Dwyer Memorial Park for a cost not to exceed \$100,000, AND

WHEREAS, the cost of the dock came in under budget due to services provided by the Cortland County Highway Department, AND

WHEREAS, it is the recommendation of the Highway Committee to allocate all unused funding from the Dwyer Park dock project to the wade pool at Dwyer Park, NOW THEREFORE BE IT

RESOLVED, that all unused funding for the Dwyer Park dock project remain in the highway/Dwyer Park budget to be used for the wade pool at Dwyer Park.

DISCUSSION ITEMS

1. Wade Pool Discussion

RESULT: **COMPLETED**

2. Use of Remaining Funds from Dwyer Park Dock Project

RESULT: **COMPLETED**

REPORTS

1. Highway Activities Report

RESULT: **COMPLETED**

2. Solid Waste Activities Report

RESULT: **COMPLETED**

ADJOURNMENT

The meeting was closed at 12:03 PM

Minutes Acceptance: Minutes of May 9, 2023 11:00 AM (MINUTES)



March 1, 2023

Mr. Charles Sudbrink
 Superintendent of Highways
 Cortland County Department of Highways
 60 Central Avenue
 Cortland, New York 13045

Re: Cortland County Landfill
 Remaining Site Life and Financial Assurance Information

File: 331.134.023

Dear Mr. Sudbrink:

In accordance with your request, Barton & Loguidice, D.P.C. (B&L), has calculated the remaining site life and updated the financial assurance information for Cortland County Landfill facility. The financial assurance estimates have been updated to include closure and post closure care separately for each landfill at the facility. These landfills include the active West Side Landfill, the closed Pine Tree Landfill, and the closed Old Cortland County (Towslee) Landfill. The information provided herein can be utilized for compliance with the Local Government Financial Test.

Remaining Capacity and Site Life

Attached is a drawing (Sheet FP2023) of the active West Side Landfill with the new survey completed on February 8, 2023.

The County is currently filling in Phase 1, Cell No. 1B and Phase 2, Cell No. 2A. Based on a comparison of the two top of waste surveys, approximately 67,695 CY of airspace was consumed between January 25, 2022, and February 8, 2023. Sheet FP2023 shows the top of intermediate cover fill grades for the landfill. Based on the February 8, 2023 survey, the permitted West Side Landfill (Phase 1 and 2) has a remaining capacity of approximately 790,546 CY.

The annual airspace consumption rate for 2022 was calculated by determining an average daily consumption rate between the two most recent survey dates and multiplying it by the number of days in the 2022 calendar year (365). This annual rate was averaged with the annual consumption rates from CY 2018 to present day, and an average annual airspace consumption rate was determined. Historically, the previous 10 years of consumption rates were utilized in average; however in 2017, the County enacted flow control which resulted in increased consumption rates over the last 5 years. In order to get a more accurate consumption rate for future planning, the averaging period was revised to the prior 5 years. Using the current calculated average annual airspace consumption rate of approximately 59,600 CY per year, the West Side Landfill has approximately 13.26 years of remaining site life. It should be noted that the remaining site life will be greatly dependent on waste receipts and compaction effort.

Financial Assurance Information

A summary of closure and post closure costs realized to date and future projections can be found on the attached Table 1. A detailed breakdown for each of the landfills has been completed and included as Tables 2a, 2b, 3 and 4. Below is a brief narrative for each facility.

Active West Side Landfill

The West Side Stage 1 Closure covering approximately 6.9 acres of Phase I, Cell No. 1A was completed in early spring 2007. The County is currently placing waste in Phase 1, Cell No. 1B and Phase 2, Cell No. 2A. The Phase II landfill expansion construction was completed in 2009 and NYS Department of Environmental Conservation approval was received in July 2010. The Phase II expansion area has been divided into multiple stages using a series of diversion berms to minimize active working area and reduce leachate generation. The West Side Stage 2 Closure was completed in the summer of 2014 and covers approximately 5.9 acres of Phase I. Therefore, the estimate for closure costs remaining includes only the small active Phase 1B landfill area which has not been capped to date and only Cell No. 2A of the Phase II expansion. This area totals approximately 11.1 acres. The detailed closure construction cost breakdown for the active 11.1 acres has been included in Table 2a. The estimated total closure construction cost is **\$3,524,228**.

Table 2 also provides the estimated annual post closure cost for the West Side Landfill. Although data from multiple landfill facilities throughout New York State indicate that leachate generation will decrease significantly over time following closure, NYSDEC has requested that the post-closure leachate treatment costs be based on a worst case scenario wherein the leachate generated from recent operations was to remain unchanged for 30 years following closure. Over a 30-year post closure period, the post closure cost remaining to be realized has an estimated present value of **\$11,717,180** assuming an interest rate of 3%.

Based on the above, the combined closure and post closure cost for the active West Side Landfill has been estimated at **\$15,241,408**.

Pine Tree Landfill

The Pine Tree Landfill was active from 1987 to 1991, when it was eventually closed. No further closure construction activities are required for this landfill. Annual post closure costs have been calculated as outlined on Table 3. These costs include leachate collection and treatment from the leachate collection system based on historical annual costs. The landfill has reached the end of the initial 30-year post closure monitoring period; however, the County should continue to budget for the current annual post closure costs until such time that the NYSDEC approves a reduction or elimination of groundwater monitoring and/or leachate collection and treatment for the closed landfill. These costs are estimated at approximately \$100,000 per year.

Old Cortland County Landfill

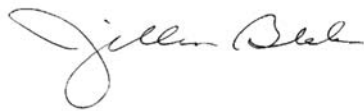
The area of the Old Cortland County Landfill was active from the 1940s through 1991. The Abandoned City of Cortland Landfill was consolidated and closed along with the Old Cortland County Landfill in 2001 and are, therefore, considered one landfill under these estimates. The landfill closure was completed as part of the NYS inactive hazardous waste site program. No further closure construction activities are required for this landfill and leachate is not collected and treated from the closed facility. Post closure monitoring has been ongoing at the facility for approximately 20 years. While past post closure estimates have assumed a finite post closure monitoring period of 30 years, the County should continue to budget for the current annual post closure costs until such time that the NYSDEC approves a reduction or elimination of groundwater monitoring for the closed landfill. These costs are estimated at approximately \$25,000 per year.

As required by Part 360.22, the above closure and post closure costs will be updated annually to reflect current landfill conditions and associated costs.

If you have any questions or need any additional assistance, please do not hesitate to contact me.

Sincerely,

BARTON & LOGUIDICE, D.P.C.



Jillian M. Blake, P.E.
Associate

WEN/jms

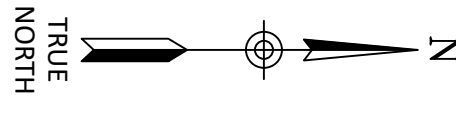
Attachments: Figure FP2022 – West Side Landfill Fill Progression
Table 1 – Closure & Post Closure Financial Assurance Cost Estimate Summary
Table 2 – Active West Side Landfill Financial Assurance Summary
Table 3 – Pine Tree Landfill Financial Assurance Summary
Table 4 – Old Cortland County Landfill Financial Assurance Summary

cc: Jim Aiken – Cortland County (via email)

Attachment: Landfill Financial Assurance-2023 (ID 2838005) (11339 : Cortland County Landfill Site Life and Financial Assurance)

Figure FP2022

West Side Landfill Fill Progression

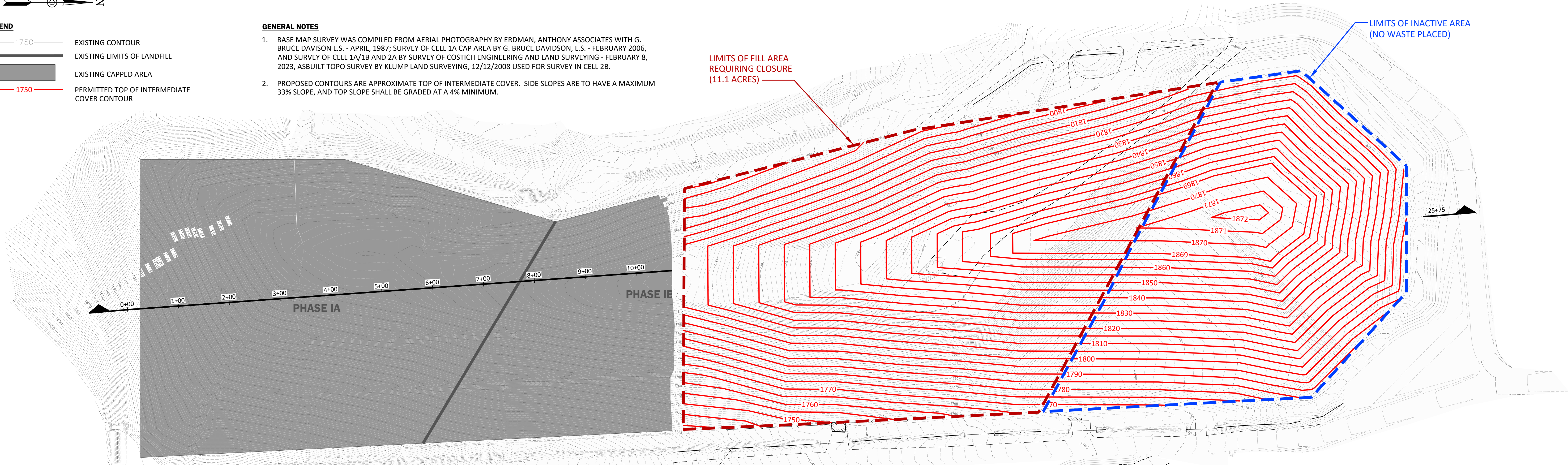


- LEGEND**
- 1750— EXISTING CONTOUR
 - EXISTING LIMITS OF LANDFILL
 - EXISTING CAPPED AREA
 - 1750— PERMITTED TOP OF INTERMEDIATE COVER CONTOUR

- GENERAL NOTES**
1. BASE MAP SURVEY WAS COMPILED FROM AERIAL PHOTOGRAPHY BY ERDMAN, ANTHONY ASSOCIATES WITH G. BRUCE DAVISON L.S. - APRIL, 1987; SURVEY OF CELL 1A CAP AREA BY G. BRUCE DAVIDSON, L.S. - FEBRUARY 2006, AND SURVEY OF CELL 1A/1B AND 2A BY SURVEY OF COSTICH ENGINEERING AND LAND SURVEYING - FEBRUARY 8, 2023, ASBUILT TOPO SURVEY BY KLUMP LAND SURVEYING, 12/12/2008 USED FOR SURVEY IN CELL 2B.
 2. PROPOSED CONTOURS ARE APPROXIMATE TOP OF INTERMEDIATE COVER. SIDE SLOPES ARE TO HAVE A MAXIMUM 33% SLOPE, AND TOP SLOPE SHALL BE GRADED AT A 4% MINIMUM.

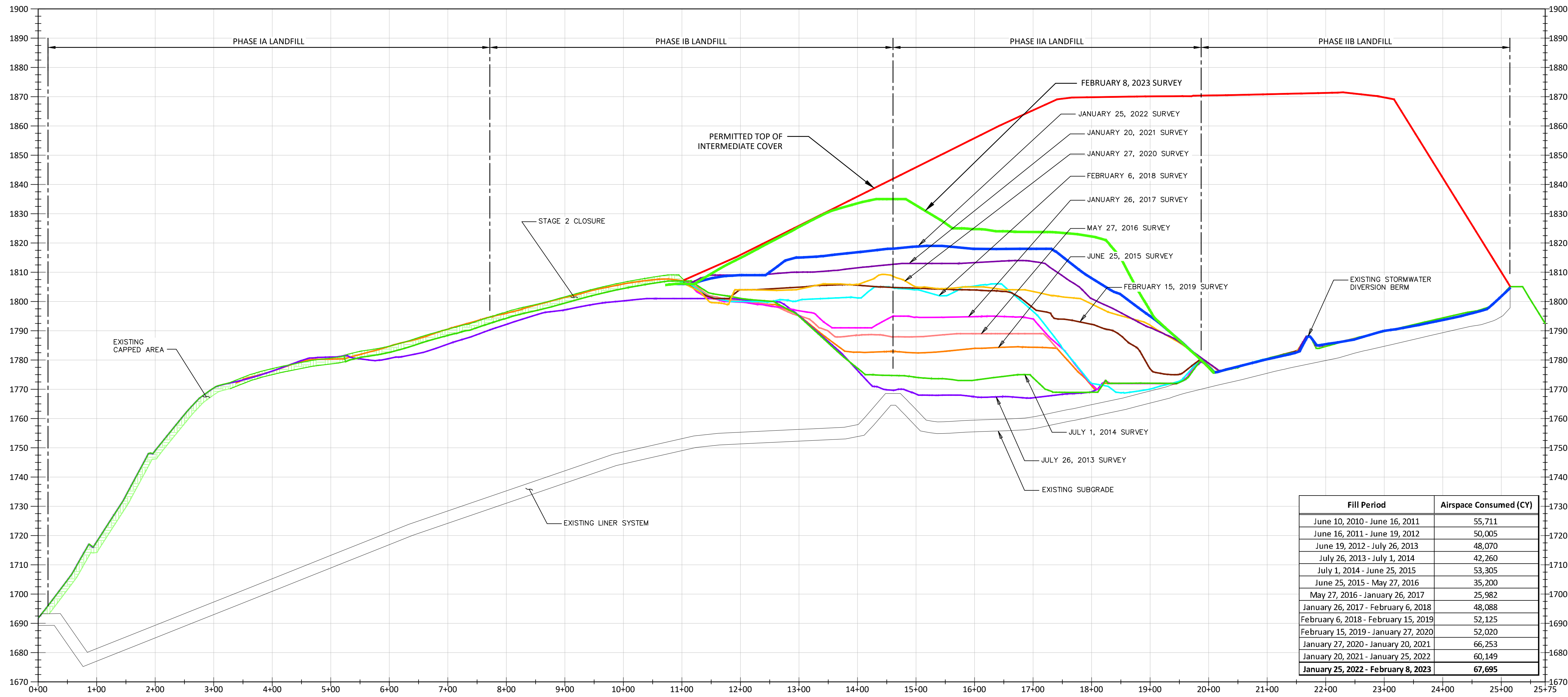
LIMITS OF FILL AREA
REQUIRING CLOSURE
(11.1 ACRES)

LIMITS OF INACTIVE AREA
(NO WASTE PLACED)



SITE PLAN

SCALE: 1" = 100'



Fill Period	Airspace Consumed (CY)
June 10, 2010 - June 16, 2011	55,711
June 16, 2011 - June 19, 2012	50,005
June 19, 2012 - July 26, 2013	48,070
July 26, 2013 - July 1, 2014	42,260
July 1, 2014 - June 25, 2015	53,305
June 25, 2015 - May 27, 2016	35,200
May 27, 2016 - January 26, 2017	25,982
January 26, 2017 - February 6, 2018	48,088
February 6, 2018 - February 15, 2019	52,125
February 15, 2019 - January 27, 2020	52,020
January 27, 2020 - January 20, 2021	66,253
January 20, 2021 - January 25, 2022	60,149
January 25, 2022 - February 8, 2023	67,695

SECTION

HORIZONTAL SCALE: 1" = 100'
VERTICAL SCALE: 1" = 20'

CORTLAND COUNTY HIGHWAY DEPARTMENT
CORTLAND COUNTY LANDFILL

WEST SIDE FILL PROGRESSION

TOWN OF CORTLANDVILLE/SOLON

CORTLAND COUNTY, NEW YORK

443 Electronics Parkway
Liverpool, NY
13088

Barton & Loguidice, D.P.C.

Date
FEBRUARY 2023

Scale
AS SHOWN

Sheet Number
FP2023

Project Number
331.134.023

Table 1
Closure & Post Closure Financial Assurance
Cost Estimate Summary

Table 1
CORTLAND COUNTY LANDFILL
CLOSURE & POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE SUMMARY
2022

LANDFILL AREA	CLOSURE COSTS			POST CLOSURE COSTS				TOTAL
	YEAR CLOSED	CLOSURE COST TO DATE	CLOSURE COST REMAINING (2022 Dollars)	POST-CLOSURE REMAINING (Years)	POST-CLOSURE TO DATE	POST-CLOSURE REMAINING (Annual Cost)	POST-CLOSURE REMAINING (Total) Present Value @ 3%	CLOSURE & POST CLOSURE REMAINING TO BE RECOGNIZED
WEST SIDE LANDFILL	Active	\$2,461,492	\$3,524,228	30	\$15,522	\$597,802	\$11,717,180	\$15,241,408
PINE TREE LANDFILL	1991	\$563,000	\$0	TBD	\$1,455,450	\$100,120	-	\$100,000 Per Year
OLD CORTLAND COUNTY LANDFILL	2001	\$5,195,740	\$0	9	\$399,924	\$24,024	\$187,050	\$187,050
TOTALS:		\$8,220,232	\$3,524,228		\$1,870,896	\$721,946	\$11,904,230	\$15,428,458

Notes:

1. Post closure costs to date for the Active West Side include mowing costs.
2. Pine Tree Landfill closure costs based off of an estimated \$80,000/acre and 10% engineering fee. Other closure costs reflect actual costs.
3. Refer to attached Tables 2, 3 and 4 for detailed breakdown of costs.
4. NYSDEC Part 360 Regulations require a rolling 30 years of post closure costs be included in financial assurance cost estimates.

Table 2

Active West Side Landfill

Financial Assurance Summary

Table 2
CORTLAND COUNTY LANDFILL
ACTIVE WEST SIDE LANDFILL FINANCIAL ASSURANCE SUMMARY

CLOSURE COST BREAKDOWN

Total Developed Area with Waste Placed - 2022:

23.90 acres

9.4	acres	33% slopes
1.7	acres	4% slope
12.8	acres	Existing capped

Total Acreage Requiring Closure:

11.10

Notes:

1. Total constructed area (Phase I & Phase II) = 30.1 acres
 2. Waste Placement only through Phase IIA. Remaining 6.2 acres are dormant with no waste.
 3. Phase I closed in 2007 (Stage 1 Closure) = 6.9 acres. Closure costs = \$1,086,157 including engineering / QA/QC.
 4. Phase I closed in 2014 (Stage 2 Closure) = 5.9 acres. Closure costs = \$1,375,335 including engineering / QA/QC.
 5. Closure unit costs below based on 2023 pricing.
- Cost does not include non-closure related items performed during the Stage 2 Closure project.

Component	Quantity	Unit	Unit Cost	Cost
Mobilization/Demobilization	1.00	LS	\$ 82,400.00	\$ 82,400
Grading	11.10	acres	\$ 7,725.00	\$ 85,748
Erosion Control	11.10	acres	\$ 5,150.00	\$ 57,165
Fertilize, Seed & Mulch	11.10	acres	\$ 5,150.00	\$ 57,165
Barrier Protection Layer	26,862.00	cy	\$ 38.11	\$ 1,023,711
Geosynthetic Clay Layer (4% Slope Only)	74,052.00	sf	\$ 0.67	\$ 49,578
40 MIL Textured LLDPE Geomembrane	483,516.00	sf	\$ 0.57	\$ 273,912
Composite Geonet	483,516.00	sf	\$ 0.74	\$ 358,575
Topsoil Layer	8,954.00	cy	\$ 16.48	\$ 147,562
Vertical Gas Vents (4 per acre)	32.00	ea.	\$ 5,150.00	\$ 164,800
Stormwater Controls	11.10	acres	\$ 51,500.00	\$ 571,650
Toe Drain	1.00	LS	\$ 46,350.00	\$ 46,350
Design / QA/QC (15% of Construction Cost)				\$ 437,792
<i>Subtotal</i>				\$ 3,356,408
Contingencies (5%)				\$ 167,820
Total Closure Cost \$				3,524,228
Cost Per Acre \$				317,498

Table 2 -- Continued
CORTLAND COUNTY LANDFILL
ACTIVE WEST SIDE LANDFILL FINANCIAL ASSURANCE SUMMARY

Annual Post Closure Costs

Operations, Maintenance, and Admin.	Units	Unit Cost		Quantity/Yr	Total Cost/Yr
Cap repair (labor and equipment)	hr	\$ 206		16	\$ 3,296
General labor	hr	\$ 52		8	\$ 412
Seeding and fertilizing cap	acre	\$ 1,545		0.5	\$ 773
Mowing	acre	\$ 103		20.7	\$ 2,132
Surface water management maintenance	lump sum	\$ 2,500		1	\$ 2,500
Security and building repairs	lump sum	\$ 1,030		1	\$ 1,030
Annual inspections and reports	lump sum	\$ 2,000		1	\$ 2,000
Site Utilities	annual	\$ 1,545		1	\$ 1,545
<i>Subtotal</i>					\$ 13,688
Contingencies (5%)					\$ 684
Operations, Maintenance, and Admin. Costs: \$					14,372

Quarterly Monitoring Costs	Units	Unit Cost	Locations	Events/Year	Total Cost/Yr
Monitoring Well Sampling (Baseline)	each	\$ 87	15	1	\$ 1,305
Monitoring Well Laboratory Analysis (Baseline)	each	\$ 280	15	1	\$ 4,200
Monitoring Well Sampling Phase I Cell (Routine)	each	\$ 87	11	2	\$ 1,914
Monitoring Well Laboratory Analysis Phase I Cell (Routine)	each	\$ 140	11	2	\$ 3,080
Monitoring Well Sampling Phase II Cell (Routine)	each	\$ 87	4	3	\$ 1,044
Monitoring Well Laboratory Analysis Phase II Cell (Routine)	each	\$ 140	4	3	\$ 1,680
Surface Water Sampling (Baseline)	each	\$ 87	3	1	\$ 261
Surface Water Laboratory Analysis (Baseline)	each	\$ 280	3	1	\$ 840
Surface Water Sampling (Routine)	each	\$ 87	3	2	\$ 522
Surface Water Laboratory Analysis (Routine)	each	\$ 140	3	2	\$ 840
Residential Well Sampling (Baseline)	each	\$ 87	4	1	\$ 348
Residential Well Laboratory Analysis (Baseline)	each	\$ 280	4	1	\$ 1,120
Underdrains Sampling (Baseline)	each	\$ 87	1	1	\$ 87
Underdrains Laboratory Analysis (Baseline)	each	\$ 280	1	1	\$ 280
Underdrains Sampling (Routine)	each	\$ 87	1	2	\$ 174
Underdrains Laboratory Analysis (Routine)	each	\$ 140	1	1	\$ 140
Tank Leak Detection Well (LD-1) Sampling (Baseline)	each	\$ 87	1	1	\$ 87
Tank Leak Detection Well (LD-1) Laboratory Analysis (Baseline)	each	\$ 280	1	1	\$ 280
Tank Leak Detection Well (LD-1) Sampling (Routine)	each	\$ 87	1	2	\$ 174
Tank Leak Detection Well (LD-1) Laboratory Analysis (Routine)	each	\$ 140	1	2	\$ 280
Dissolved Metals Sampling (Baseline)	each	\$ 10	7	1	\$ 70
Dissolved Metals Laboratory (Baseline)	each	\$ 77	1	1	\$ 77
Dissolved Metals Sampling (Routine)	each	\$ 10	7	2	\$ 140
Dissolved Metals Laboratory (Routine)	each	\$ 32	1	2	\$ 64
<i>West Side Landfill Water Quality Monitoring Costs Subtotal</i>					\$ 19,007
Combustible Gas Monitoring	each	\$ 20	25	3	\$ 1,500
Reporting	ls	\$ 2,580	1	3	\$ 7,740
<i>West Side Monitoring Costs Subtotal</i>					\$ 28,247
Contingencies (5%)					\$ 1,412
West Side Landfill Monitoring Costs \$					29,659

Leachate Monitoring Costs	Units	Unit Cost	Locations	Quantity/Yr	Total Cost/Yr
Leachate Sampling	lump sum	\$ 87	5	2	\$ 870
Leachate Laboratory Analysis (Expanded Parameters)	each	\$ 680	5	2	\$ 6,800
Leachate Reporting	lump sum	\$ 970		2	\$ 1,940
<i>Leachate Monitoring Costs Subtotal</i>					\$ 9,610
Contingencies (5%)					\$ 481
Leachate Monitoring Costs: \$					10,091

Annual Leachate Treatment Costs	Units	Unit Cost	Gallons/Yr*	Total Cost/Yr
Leachate Treatment Costs (transport and treatment)	gallons	\$ 0.080	6,796,000	\$ 543,680

*Based on 2022 leachate generation rate

Total Annual Post-Closure Cost Estimate: \$ 597,802

Attachment: Landfill Financial Assurance-2023 (ID 2838005) (11339 : Cortland County Landfill Site Life and Financial Assurance)

Table 3

Pine Tree Landfill

Financial Assurance Summary

Table 3
CORTLAND COUNTY LANDFILL
PINE TREE LANDFILL FINANCIAL ASSURANCE SUMMARY

CLOSURE COST BREAKDOWN

Total Developed Area with Waste Placed:

6.40 acres

0.00	acres	33% slopes to be Closed
0	acres	4% slope to be Closed
6.40	acres	Existing capped

Total Acreage Requiring Closure:

0.00

Notes:

1. Operational from 1987 to 1991. Closed with DEC approved capping system.
2. Perimeter leachate collection system remains operational.
3. Closure costs estimated at \$563,000 including engineering / QA/QC.

Annual Post Closure Costs

Ops., Maint., Admin.	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Cap repair (labor and equipment)	hr	\$ 206	8.0	\$ 1,648
General labor	hr	\$ 52	8.0	\$ 412
Seeding and fertilizing cap	acre	\$ 1,545	0.25	\$ 386
Mowing	acre	\$ 103	6.4	\$ 659
Surface water management maintenance	lump sum	\$ 500	1.0	\$ 500
Security and building repairs	lump sum	\$ 515	1.0	\$ 515
Annual inspections and reports	lump sum	\$ 1,000	1.0	\$ 1,000
Operation, Maint., Admin costs: \$				5,120
Water Monitoring	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Water Quality Sampling, Analysis & Reporting	lump sum	\$ 25,000	1	\$ 25,000
Ground and surface water monitoring costs: \$				25,000
Leachate Management	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Leachate management system repairs	lump sum	\$ 5,000	1	\$ 5,000
Leachate Treatment per Year*	lump sum	\$ 64,000	1	\$ 64,000
Leachate sampling and testing	lump sum	\$ 1,000	1	\$ 1,000
Leachate Management Costs: \$				70,000

* Based on 2022 Generation

Annual Post Closure Costs : \$ 100,120

Attachment: Landfill Financial Assurance-2023 (ID 2838005) (11339 : Cortland County Landfill Site Life and Financial Assurance)

Table 4

**Old Cortland County Landfill
Financial Assurance Summary**

Table 4
CORTLAND COUNTY LANDFILL
OLD CORTLAND COUNTY LANDFILL
FINANCIAL ASSURANCE SUMMARY

CLOSURE COST BREAKDOWN

Total Developed Area with Waste Placed: 40.44 acres

0.00 acres	33% slopes to be Closed
0 acres	4% slope to be Closed
40.44 acres	Existing capped

Total Acreage Requiring Closure: 0.00

Notes:

1. NYS Inactive Hazardous Waste Site.
1. Operational from 1940s to 1991. Closed with DEC approved capping system.
3. City Landfill Consolidated with Old County Landfill and capped together.
4. No leachate collection system.
3. Closure costs estimated at \$5,195,740 including engineering / QA/QC.

Annual Post Closure Costs

Ops., Maint., Admin.	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Cap repair (labor and equipment)	hr	\$ 206.00	10.0	\$ 2,060.00
General labor	hr	\$ 51.50	8.0	\$ 412.00
Seeding and fertilizing cap	acre	\$ 1,545.00	0.25	\$ 386.25
Mowing	acre	\$ 103.00	40.4	\$ 4,165.32
Surface water management maintenance	lump sum	\$ 500.00	1.0	\$ 500.00
Annual inspections and reports	lump sum	\$ 1,500.00	1.0	\$ 1,500.00
Operation, Maint., Admin costs: \$				9,023.57
Water Monitoring	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Water Quality Sampling, Analysis & Reporting	lump sum	\$ 15,000.00	1	\$ 15,000.00
Ground and surface water monitoring costs: \$				15,000.00

Annual Post Closure Costs : \$ 24,023.57

JUNE 2023 HIGHWAY DEPARTMENT REPORT

Administration

Monthly Superintendents Meeting
Department Head Meeting

Projects

Structure Projects:

East River Crossing bridge replacement – Preliminary design has begun
Landers Corners Bridge- Deck replacement complete.

Road Projects:

Telephone Road- Hot mix asphalt, Recycled asphalt, complete.
Baldwin Corners Road- Cold mix asphalt, paving in progress.
Cuyler Linclean Road- Hot mix asphalt, complete.
Kinney Gulf Road- Hot mix asphalt, complete.
Clarks Corners Road- Hot mix asphalt, complete.
Song Lake Crossing Road- Hot mix asphalt, complete.

Staffing - 4 full time positions open.

Equipment - Trucks to be delivered August.

Road Maintenance –Cross culvert replacement, pothole repairs, tree maintenance, ditching.

Salt Usage - Season Total 11,952.96

Dwyer Park –Pier is finished. Park maintenance has begun.

Airport

T Hangar Occupancy- All hangers are occupied. 100LL fuel farm, advertise for bids, May.

JUNE 2023 SOLID WASTE DEPARTMENT REPORT

Landfill

Administration

- ❖ Working on annual reports.

Operations

- **Leachate Hauling** – Continued transportation of leachate to the City’s WWTP. We have hauled **112,000** gallons from Pine Tree, **8,000** from Ground Water Vault and **1,263,500** gallons from West Side.
- **Cover Material** – Approximately **469** tons of shredded auto fluff and **7660** tons of contaminated soil from Brownfield Cleanup project in Ithaca has been delivered for use as Alternate Operating Cover material at the landfill.
- **Solid Waste** – **2,317** tons received.
- **Sludge** – **326** tons received.
- **C&D** – **520** tons received.
- **Site Maintenance** – Downsizing our working face to the smallest open area that we can. Adding additional cover material to mitigate odor.
- **Equipment** – Ongoing scheduled service and routine preventive maintenance.