ANNUAL/QUARTERLY REPORT

A. This MSW, Industrial or Ash Landfill Report is for the year of operation from

January 01, 2012 to December 31, 2012

B. Quarterly Report for 2012: ___Quarter 1 ___Quarter 2 ___Quarter 3 _X_Quarter 4

SECTION 1 – OWNER / FACILITY INFORMATION

FACILITY NAME: Chemung County Sanitary Landfill			
FACILITY ADDRESS: 1488 County Road 60	**FACILITY CITY:** Chemung	**STATE:** NY	**ZIP CODE:** 14861
FACILITY TOWN: Lowman	**FACILITY COUNTY:** Chemung	**FACILITY PHONE NUMBER:** 1-800-CASELLA	
FACILITY NYS PLANNING UNIT: (A list of NYS Planning Units can be found at the end of this report). Chemung County			**NYSDEC REGION #:** 8

360 PERMIT #: 8-0728-0004/00013-0	**DATE ISSUED:** 02/20/06	**DATE EXPIRES:** 02/20/16	**NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:** 08S02

FACILITY CONTACT: Carla M. Jordan	**CONTACT PHONE NUMBER:** (585) 526-4420	**CONTACT FAX NUMBER:** (585) 526-5459
CONTACT EMAIL ADDRESS: carla.jordan@casella.com		

OWNER NAME: Chemung County	**OWNER PHONE NUMBER:** (607) 737-2031	**OWNER FAX NUMBER:**	
OWNER ADDRESS: 203 Lake Street	**OWNER CITY:** Elmira	**STATE:** NY	**ZIP CODE:** 14901

OPERATOR NAME: Chemung Landfill, LLC.	**OPERATOR PHONE NUMBER:** (585) 526-4420	**OPERATOR FAX NUMBER:** (585) 526-5459
OPERATOR EMAIL ADDRESS: carla.jordan@casella.com		

SECTION 2 - SITE LIFE

1. Landfill Capacity Utilized Last Year (reporting year).

   a. What is the estimated landfill capacity that was utilized during the reporting year?

   210,600 Cubic Yards of Airspace

   Please do not report units as pounds per cubic yard.

   b. What is the estimated in-situ waste density for the reporting year?

   0.85 Tons/Cubic Yard

2. Remaining Constructed Capacity

   a. What is the remaining capacity of the landfill that is already constructed?

   596,856 Cubic Yards of Airspace

   b. What is the estimated remaining life of the constructed capacity?

   2 Years 10 Months

   at 180,000 Tons/Year.*

   * Please note that this tonnage rate must include all materials placed in the landfill, i.e., waste, soil, cover, alternative daily covers, etc.

   c. The tonnage rate reported under 2.b. is based on (select one):

   _____ The amount of materials placed in the landfill in the reporting year

   _____ Estimated future disposal

   X Permit limit

   Other (explain): _____

3. Permitted Capacity Still to be Constructed

   a. What is the remaining but not yet constructed landfill capacity that is authorized by a Part 360 permit?

   0 Cubic Yards of Airspace

   b. What is the projected life of capacity reported in 3.a?

   0 Years 0 Months

   at N/A Tons/Year.*

   * Please note that this tonnage rate must include all materials disposed in the landfill, i.e., waste, and soil and alternative daily covers.

   c. The tonnage rate reported under 3.b. is based on (select one):

   _____ The amount of materials placed in the landfill in the reporting year

   _____ Estimated future disposal

   _____ Permit limit

   Other (explain): N/A

4. Capacity Proposed in a Part 360 Permit Application

What is the capacity of any expansion proposed in a Part 360 permit application that has been submitted to the Department but not authorized by a permit as of the end of the reporting period?

0 Cubic Yards of Airspace

5. Estimated Potential Future Capacity Not Permitted or in an Application (optional)

What is the estimated capacity of any potential future expansion at the facility that is not yet authorized by a permit or proposed in a Part 360 permit application that has been submitted to the Department?

11,738,724 Cubic Yards of Airspace

SECTION 3 - PRIMARY LEACHATE

Name of off-site leachate treatment facility(s) utilized: Chemung County Sewer District

Does the landfill have a constructed liner and a leachate collection system? X Yes ____ No

Enter the quantity of primary leachate that was collected, removed for on-site and off-site treatment, and recirculated each month, and the corresponding Acreage, by Cell:
(Note: For double-lined landfills this should not include the volume of leachate collected from secondary leachate collection and removal systems.)

For each cell, please report the acreage and the primary leachate amount.

	PRIMARY LEACHATE COLLECTED (GALLONS)						PRIMARY LEACHATE TREATED OFF SITE (GALLONS)					
	Cell 1 * Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 * Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January	559,238.10						559,238.10					
February	217,916.29						217,916.29					
March	359,201.79						359,201.79					
April	302,435.20						302,435.20					
May	214,125.55						214,125.55					
June	527,897.82						527,897.82					
July	213,321.03						213,321.03					
August	151,390.65						151,390.65					
September	223,322.28						223,322.28					
October	81,463.93						81,463.93					
November	117,490.71						117,490.71					
December	0						0					
ANNUAL	2,967,803						2,967,803					

*Leachate quantities are the commingled totals of Cells 1, 2, 3, and 4 and the closed Area 5 landfill, totaling 38 acres.

	PRIMARY LEACHATE RECIRCULATED (GALLONS)						PRIMARY LEACHATE TREATED ON SITE (GALLONS)					
	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January												
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
ANNUAL												

No leachate was recirculated.

No leachate was treated onsite.

REPRINTED (10/12)

Submit (attached to this form) a copy of the maintenance logs which document compliance with the Operation and Maintenance Manual's schedule for the routine annual flushing and inspection of the primary leachate collection and removal system. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:
See attachments

Submit (attached to this form) a tabulated compilation of the semi-annual primary leachate quality data collected throughout the year including a summary comparing this year's data with the previous year's data and a summary discussion of results. This list should identify sample location(s) and method of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:
The above referenced information is included in the Quarterly Environmental Monitoring Reports submitted under separate cover.

SECTION 4 - SECONDARY LEACHATE

Does landfill have a double liner system with a secondary leachate collection and removal system? ___X___Yes _____No

Submit (attached to this form) a tabulated compilation of the semi-annual secondary leachate quality data collected throughout the year including a summary comparing this year's data with all previous years' data and a summary discussion of results. This list should identify sample location(s) and methods of analysis. List required submissions that have been attached to this form or the reason for not attaching a required piece of information:
The above referenced information is included in the Quarterly Environmental Monitoring Reports submitted under separate cover.

Please report total cost for the year, not cost/gal.

Leachate Cost: (including transportation if appropriate) during the calendar year for leachate treatment: $_____*

Total quantity treated: 2,996,117.05 gal ***The requested operational cost information is proprietary to our business. The requested information is available at the facility for NYSDEC review.**

Enter the quantity of secondary leachate that was collected, removed for on-site and off-site treatment, and recirculated each month, and the corresponding Acreage, by Cell:

For each cell, please report the acreage and the secondary leachate amount.

	SECONDARY LEACHATE COLLECTED (GALLONS)						SECONDARY LEACHATE TREATED OFF SITE (GALLONS)					
	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January	5,158.10						5,158.10					
February	4,292.00						4,292.00					
March	4,583.90						4,583.90					
April	2,146.00						2,146.00					
May	2,098.30						2,098.30					
June	1,951.40						1,951.40					
July	1,407.00						1,407.00					
August	1,392.70						1,392.70					
September	1,053.40						1,053.40					
October	1,198.70						1,198.70					
November	1,451.20						1,454.20					
December	1,581.00						0					
ANNUAL	28,313.70						26,732.70					

***Leachate quantities are the commingled totals of Cells 1, 2, 3, and 4 and the closed Area 5 landfill, totaling 38 acres.**

	SECONDARY LEACHATE RECIRCULATED (GALLONS)						SECONDARY LEACHATE TREATED ON SITE (GALLONS)					
	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January												
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
ANNUAL												

No leachate was recirculated.

No leachate was treated onsite.

REPRINTED (10/12)

SECTION 5 – BENEFICIAL USE MATERIALS

For each type of waste material that the Department has approved for use as alternate daily cover, intermediate cover, or other landfill material, provide the annual weight in tons, use (i.e., daily cover, intermediate cover, etc.), and source of material. (If material is from a solid waste facility also provide facility name, address, NYS Planning Unit, County/ Province, and State/Country.) **Refer to the list of NYS Planning Units that can be found at the end of this report.**

Type of Solid Waste	Weight (tons/year)	Use	NYS Planning Unit (See Attached List of NYS Planning Units)	County or Province	State or Country	Source (Facility and Address)
Contaminated Soil	18,599.61				NY and PA	*
Foundry Sand	6,482.47				NY and PA	*
Waste Garnet	63.23				NY and PA	*
Core Room Sand	1,473.54				NY and PA	*
De-Watered Sludge	3,113.32				NY and PA	*
Filter Cake	977.72				NY and PA	*
Sewage Sludge Grit	150.82				NY and PA	*
Solidification Pit Remains	494.16				NY and PA	*
Belt Press Sludge	143.51				NY and PA	*
Total ADC	31,498.47	*This information is proprietary to our business. The information is available at the facility for NYSDEC review				
Total Beneficial Use Materials	31,498.47					

Percent Alternative Daily Cover (ADC) Calculation

ADC Calculations: Total Tons ADC/Total Tons Waste Disposed x 100 = 17.6%

Please note the calculation **is**: Tons ADC (from table above)/Tons Solid Waste (from table in Section 6) x 100 and **Not**: Tons ADC / (Tons Solid Waste + ADC) x 100

REPRINTED (10/12)

SECTION 6 - QUANTITY OF SOLID WASTE DISPOSED

A. Quantity Disposed by Month/Year

Provide the tonnages of solid waste disposed Exclude Beneficial Use Material amounts reported in Section 5 and Recyclable Material amounts reported in Section 7
Specify the methods used to measure the quantities disposed and the percentages measured by each method:

100% Scale Weight _____% Estimated

_____% Truck Count _____% Other (Specify _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Asbestos							
Ash (Coal)							
Ash (MSW Energy Recovery)							
Construction & Demolition Debris (mixed)							
Industrial Waste (Including Industrial Process Sludges)	2,304.56	3,443.29	2,197.05	1,870.81	2,134.70	2,388.15	1,305.99
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	7,155.59	3,879.11	4,385.70	6,369.24	6,066.52	5,777.42	5,504.28
Oil/Gas Drilling Waste	6,590.61	8,109.89	4,066.36	3,948.99	5,477.35	6,338.77	4,853.45
Petroleum Contaminated Soil							
Sewage Treatment Plant Sludge		11.66		10.58			
Treated Regulated Medical Waste							
Emergency Authorization Waste (Storm Debris)							
Other (specify)							
Total Tons Disposed	16,050.76	15,443.95	10,649.11	12,199.62	13,678.57	14,504.34	11,663.72

SECTION 6 - QUANTITY OF SOLID WASTE DISPOSED (CONTINUED)

A. Quantity Disposed by Month/Year

Type of Solid Waste	Tip Fee ($/Ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Asbestos								
Ash (Coal)								
Ash (MSW Energy Recovery)								
Construction & Demolition Debris (mixed)	*			75.53	251.25	1,874.51	2,201.29	8.18
Industrial Waste (Including Industrial Process Sludges)	*	1,582.17	1,602.71	1,897.31	1,299.79	1,104.23	23,130.76	85.99
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	*	11,488.55	11,722.06	8,404.48	6,117.86	8,319.25	85,190.06	325.03
Oil/Gas Drilling Waste	*	7,249.81	4,603.36	4,744.86	5,098.66	4,820.77	65,902.88	244.99
Petroleum Contaminated Soil								
Sewage Treatment Plant Sludge						73.72	95.96	0.36
Treated Regulated Medical Waste								
Emergency Authorization Waste (Storm Debris)	*				1,673.64	568.57	2,242.2	0.90
Other (specify)								
Total Tons Disposed		20,320.53	17,928.13	15,122.18	14,441.20	16,761.05	178,763.16	664.55

*This information is proprietary to our business. The information is available at the facility for NYSDEC review.

REPRINTED (10/12)

CHEMUNG COUNTY LANDFILL - FACILITY SERVICE AREA

WASTE TYPE	COUNTY	STATE	TONNAGE
Mixed Municipal Solid Waste	Allegany	NY	16.04
Mixed Municipal Solid Waste	Broome	NY	1.34
Mixed Municipal Solid Waste	Chemung	NY	27620.62
Mixed Municipal Solid Waste	Chenango	NY	13406.24
Mixed Municipal Solid Waste	Rockland	NY	14005.39
Mixed Municipal Solid Waste	Schuyler	NY	9.42
Mixed Municipal Solid Waste	Steuben	NY	17.61
Mixed Municipal Solid Waste	Tioga	NY	24903.19
Mixed Municipal Solid Waste	Tompkins	NY	144.53
Mixed Municipal Solid Waste	Bradford	PA	6320.21
Mixed Municipal Solid Waste	Tioga	PA	37.25
Mixed Municipal Solid Waste	Susquehanna	PA	5.76
Mixed Municipal Solid Waste	Sullivan	PA	5.53
Mixed Municipal Solid Waste	Various	NJ	922.44
Mixed Municipal Solid Waste	Various	PA	16.70
			87432.27

CHEMUNG COUNTY LANDFILL - FACILITY SERVICE AREA

WASTE TYPE	COUNTY	STATE	TONNAGE
Construction & Demolition Debris	Chemung	NY	30.95
Construction & Demolition Debris	Rockland	NY	37.66
Construction & Demolition Debris	Schenectady	NY	32.56
Construction & Demolition Debris	Sullivan	NY	266.90
Construction & Demolition Debris	Tioga	NY	279.37
Construction & Demolition Debris	Bradford	PA	1539.87
Construction & Demolition Debris	Various	CT	13.98
			2201.29

B. Quantity Disposed by Facility's Service Area

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received by your facility (or Direct Haul), the corresponding State/Country, the County/Province, and the NYS Planning Unit and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. The total amount reported here should equal the total amount reported in Section 6A (Quantity Received by Month/Year). DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each

__100__% Road _____% Rail

_____% Water _____% Other (specify _____)

Please report the facility from which you received the solid waste. Note. This is not the facility identified in Section 1.

Explain which waste types and service areas below are included in these transport methods _____ _____

B. SERVICE AREA					
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR DIRECT HAUL	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECEIVED
Asbestos	See attachment for facility service area information				
Ash (Coal)					
Ash (MSW Energy Recovery)					
Construction & Demolition Debris (mixed)					

REPRINTED (10/12)

B. SERVICE AREA

TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR DIRECT HAUL	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECEIVED
Industrial Waste (Including Industrial Process Sludges)					
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)					
Oil/Gas Drilling Waste					
Petroleum Contaminated Soil					
Sewage Treatment Plant Sludge					
Treated Regulated Medical Waste (TRMW)*					
Emergency Authorization Waste (Storm Debris)					
Other (specify)					
				TOTAL RECEIVED (tons):	

* List generators that provide you Certificates of Treatment forms and quantities of TRMW from each _____

REPRINTED (10/12)

SECTION 7 – RECYCLABLE MATERIALS

A. Quantity of Recyclable Material Received by Facility's Service Area

Identify the facility's service area by indicating the type of recyclable material received, the Solid Waste Management facility (SWMF) from which it was received by your facility (or Direct Haul), the corresponding State/Country, the County/Province, the NYS Planning Unit from which waste was received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF. DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each

100% Road _____% Rail

_____% Water _____% Other (specify: _____)

Please report the facility from which you received the recyclable material. Note: This is not the facility identified in Section 1.

Explain which waste types and service areas below are included in these transport methods _____

SERVICE AREA					
RECYCLABLE MATERIAL	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR DIRECT HAUL	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECEIVED
Brush, Branches, Trees, & Stumps					
Commingled Containers (metal, glass, plastic)					
Commingled Paper (all grades)					
Electronics					
Food Scraps					
Leaves & Grass					
Single Stream (total)					
Other: Bulk Metal	**Direct Haul**				**11.13**
				TOTAL RECEIVED (tons):	11.13

REPRINTED (10/12)

B. Quantity of Recyclable Material Recovered

Identify the name of the destination facility to which the recyclable material was sent from your facility, the corresponding State/Country, the County/Province, the NYS Planning Unit, and the amount of recyclable material transported **Refer to the list of NYS Planning Units that can be found at the end of this report**. DO NOT REPORT IN CUBIC YARDS!

Specify transport method and percentages of total waste transported by each:

__100__% Road _____% Rail

_____% Water _____% Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

Please report the facility to which you send the recyclable material Note: This is not the facility identified in Section 1.

_____

PAPER RECOVERED

RECYCLABLE MATERIAL	DESTINATION FACILITY (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECYCLED (out of facility)
Corrugated Cardboard					
Junk Mail					
Magazines					
Newspaper					
Office Paper					
Paperboard / Boxboard					
Other Paper (specify)					

TOTAL PAPER RECYCLED (tons): _____

PAPER RESIDUE (tons): _____

RESIDUE DESTINATION:

(Name & Address) _____

REPRINTED (10/12)

B. Quantity of Recyclable Material Recovered (continued)

GLASS RECOVERED

RECYCLABLE MATERIAL	DESTINATION FACILITY (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECYCLED (out of facility)
Container Glass					
Industrial Scrap Glass					
Other Glass (specify)					

TOTAL GLASS RECYCLED (tons):

GLASS RESIDUE (tons): **RESIDUE DESTINATION:** (Name & Address)

METAL RECOVERED

RECYCLABLE MATERIAL	DESTINATION FACILITY (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECYCLED (out of facility)
Aluminum Foil / Trays					
Bulk Metal	Proprietary Information (available at facility for NYSDEC review)	NY	Chemung	Chemung County	11.13
Enameled Appliances / White Goods					
Industrial Scrap Metal					
Tin & Aluminum Containers					
Other Metal (specify)					

TOTAL METAL RECYCLED (tons): 11.13

METAL RESIDUE (tons): 0 **RESIDUE DESTINATION:** (Name & Address)

B. Quantity of Recyclable Material Recovered (continued)

PLASTIC

RECYCLABLE MATERIAL	DESTINATION FACILITY (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECYCLED (out of facility)
PET (plastic #1)					
HDPE (plastic #2)					
Other Rigid Plastics (#3 #7)					
Industrial Scrap Plastic					
Plastic Film & Bags					
Other Plastics (specify)					

TOTAL PLASTIC RECYCLED (tons):

PLASTIC RESIDUE (tons):

RESIDUE DESTINATION: (Name & Address)

VOLUME TO WEIGHT CONVERSION FACTORS

MATERIAL	EQUIVALENT		MATERIAL	EQUIVALENT		MATERIAL	EQUIVALENT	
GLASS – whole bottles	1 cubic yard	0.35 tons	GLASS - crushed mechanically	1 cubic yard	0.88 tons	ALUMINUM – cans – whole	1 cubic yard	0.03 tons
GLASS - semi crushed	1 cubic yard	0.70 tons	GLASS - uncrushed manually	55 gallon drum	0.16 tons	ALUMINUM – cans – flattened	1 cubic yard	0.125 tons
PAPER - high grade loose	1 cubic yard	0.18 tons	PLASTIC – PET – whole	1 cubic yard	0.015 tons			
PAPER - high grade baled	1 cubic yard	0.36 tons	PLASTIC – PET - flattened	1 cubic yard	0.04 tons			
PAPER - mixed loose	1 cubic yard	0.15 tons	PLASTIC – PET - baled	1 cubic yard	0.38 tons	WHITE GOODS - uncompacted	1 cubic yard	0.10 tons
NEWSPRINT - loose	1 cubic yard	0.29 tons	PLASTIC - styrofoam	1 cubic yard	0.02 tons	WHITE GOODS - compacted	1 cubic yard	0.5 tons
NEWSPRINT - compacted	1 cubic yard	0.43 tons	PLASTIC – HDPE – whole	1 cubic yard	0.012 tons			
CORRUGATED – loose	1 cubic yard	0.015 tons	PLASTIC – HDPE – flattened 1	1 cubic yard	0.03 tons			
CORRUGATED - baled	1 cubic yard	0.55 tons	PLASTIC – HDPE - baled	1 cubic yard	0.38 tons	FERROUS METAL - cans whole	1 cubic yard	0.08 tons
			PLASTIC – mixed (grocery bags)	45 gallon bag	0.01 tons	FERROUS METAL - cans	1 cubic yard	0.43 tons

B. Quantity of Recyclable Material Recovered (continued)

MISCELLANEOUS

RECYCLABLE MATERIAL	DESTINATION FACILITY (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECYCLED (out of facility)
Brush, Branches, Trees, & Stumps					
Commingled Containers					
Commingled Paper & Containers					
Electronics					
Food Scraps					
Leaves & Grass					
Textiles					
Other (specify)					

TOTAL MISCELLANEOUS RECYCLED (tons): _____

MISC. RESIDUE (tons): _____ **RESIDUE DESTINATION:** (Name & Address) _____

SECTION 8 - UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the Landfill during the reporting period? _____ Yes __X__ No

If yes, give information below for each incident (attach additional sheets if necessary):

Date Received	Type Received	Date Disposed	Disposal Method & Location

Radiation Monitoring

Does your facility use a fixed radiation monitor? __X__ Yes _____ No

Identify Manufacturer _____Ludlum_____ and Model _____375_____ of fixed unit.

Does your facility use a portable radiation monitor? _____ Yes __X__ No

Identify Manufacturer _____ and Model _____ of portable unit.

If the radiation monitors have been triggered give information below for each incident:

Incident Number	Received		Hauler	Origin	Truck Number	Reading	Disposal Status	Removed	
	Date	Time						Date	Time

There was one incident of the radiation monitor alarm triggered during the reporting period. The record is included in the attachments.

SECTION 9 - WASTE IN PLACE

Summary by Waste Type and Year

Include all active and inactive sections of the landfill. Report waste disposed annually by type, if known, in tons per year. Report total waste disposed, if breakdown of types is not available. In the case where more than one landfill section operated in a given year identify each separately, if known. If the annual amount is not available, report the quantities for a range of years. If you include amounts from old, closed landfills then clearly identify them on the table and explain below. In each row, report quantities disposed each year (or group of years if individual years unknown) for each waste type. Report cumulative WIP at bottom (sum of annual quantities disposed). Add additional sheets as necessary.

Year	MSW (tons)	Asbestos Waste (tons)	Ash (tons)	C&D Debris (tons)	Industrial Waste (tons)	Petroleum Contaminated Soil (tons)	Sewage Treatment Plant Sludge (tons)	Other (tons)	Year(s) Total (tons)	Identify Landfill Section(s) Used
WIP Cumulative Total										

Waste in place data is included in the attachments. The information includes waste from closed landfills.

Overall in place volume _____ cubic yards

Method for determining waste composition, if known. _____

Explain if closed landfills are included above _____

REPRINTED (10/12)

Waste Summary by Landfill Section

Provide waste in place information for all landfill sections.

Number of landfill sections: 3

Original* section used (years) from 1974 to 1988

Section Footprint 24 acres

Capped with approved final cover system Yes X No _____

Percent capped 100%

Waste in Place: _____ Tons 1,258,504 Cubic Yards, if known

(Includes sections 1 and 2)

Next* section used (years) from 1989 to Present

Section Footprint 30 acres

Capped with approved final cover system Yes X No _____

Percent capped 13.7%

Waste in Place: _____ Tons 3,186,585 Cubic Yards, if known

(Includes only section 3)

* If there are additional landfill sections, phases or cells, please provide the same waste in place information on additional sheets and attach to form.

SECTION 10 - LANDFILL GAS

Does the landfill have a landfill gas collection & control system?
Yes _X_ No ____ If Yes: Active _X_ Passive ___

Number of gas wells: 27 Vertical Gas Wells; 8 Horizontal Collectors (includes wells in the active landfill as well as the closed Area 3 and Area 5 landfills)

Total landfill footprint acreage Active MSW LF = approx. 30 acres, Other Landfill Areas (Area 3, Area 5, and Closed C&D) = approx. 45 acres

Total landfill acreage from which gas is collected: 43

Landfill sections from which gas is collected Sections 1, 2, and 3 (Area 3, Area 5, and Active Landfill)

Landfill acreage from which gas is collected for energy recovery 0

Measured Methane Generation Rate*, k Default

Measured Potential Methane Generation Capacity*, L_o Default m^3/Mg

NMOC Concentration* 58.3 ppmv as hexane (determined by 2009 Tier 2 Test)

Does the landfill require a Title V Permit? Yes _X_ No _____

Name of Landfill Gas Recovery (gas to energy or other use) Facility: _____N/A_____

* Note: If Concentration NMOC, Lo and k are not known or included, default values will be used to calculate the NMOCs emissions from the Landfill.

Flare

Open and Enclosed Flares located at the Landfill and the Landfill Gas Recovery Facility:

Number of Flares: 1

Type of Flare: Opened Flare X Enclosed Flare _____

Please report units in cubic feet

Quantity of Gas Collected and Flared Annually 158,000,000 cubic feet
Flare Hours of Operation per Year 8,497 hours/year
Methane Percentage in Landfill Gas before flaring 36 %
Methane Destruction efficiency >99 %

Candlestick Flares:

Number of Candlestick Flares 4
Estimate of Gas Flared Candlestick Flare 136,656,000 cubic feet

Gas To Energy

Please report units in cubic feet

Number of Internal Combustion Engines: 0

Quantity of Gas collected for Internal Combustion Engine Annually _____ cubic feet
Methane Destruc
Methane Percen
Utility Company

THIS SECTION IS NOT APPLICABLE TO THIS SITE

Quantity of Gas
Methane Percentage in Landfill Gas before processing _____ %
On-site or Off-site User of Gas _____

Landfill Gas Recovery Facility/Landfill Data

Facility Contact _____ Phone # (____)____-_____

Contact e-mail address _____ Fax # (____)____-_____

Operation and maintenance cost for calendar year: $_____

Does the LGRF experience

If yes, indicate reasons for s
the reasons for not attachin

THIS SECTION IS NOT APPLICABLE TO THIS SITE

ached to this form or

Year landfill opened: _____ Anticipated landfill closure date: _____

REPRINTED (10/12)

Results of Condensate Sampling

Submit (attached to this form) condensate quality monitoring results accomplished in accordance with condensate sampling. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

Landfill Gas Utilized For Energy Recovery

Provide the following information for the landfill gas recovered for energy. DO NOT INCLUDE THE GAS FLARED!

	Landfill Gas Collected for Energy Recovery (Cubic Feet)	Steam* Generated (Cubic Feet)	Total Electricity* Generated for onsite and offsite use (K.W.H.)	Total Gas Processed for use other than electricity generation (Cubic Feet)	Condensate Generated (Gallons)	Facility Operation (Hours)
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
ANNUAL TOTAL						

THIS SECTION IS NOT APPLICABLE TO THIS SITE

* Provide where applicable.

Normal Weekdays of Operation _____ Normal Hours of Operation_____

Electricity Generated and used/marketed offsite _____KWH
Electricity Generated and used onsite _____ KWH
Gas Processed and used/marketed offsite _____ cubic feet
Gas Processed and used onsite _____ cubic feet

Describe the collection, storage, treatment and disposal techniques used in managing the condensate:

_____

_____

SECTION 11 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS

Submit (attached to this form) any required cost estimates and financial assurance documents for closure, post-closure care, and applicable corrective measures, all reflecting adjustments for inflation and any changes to the Closure, Post Closure or Closure Maintenance Plans to indicate updated dollars for the year of operation for which the Annual Report is made. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The cost estimate and financial assurance documentation is included in the attachments.

SECTION 12 - PROBLEMS

Identify any problems encountered during the reporting period (e.g., specific occurrences which have led to changes in facility procedures) and methods for resolution of the problems. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information: N/A

SECTION 13 - CHANGES

Identify any changes from approved reports, plans, specifications, permit conditions and fill progression plan with a justification for each change. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:
N/A

SECTION 14 - ANALYTICAL RESULTS

Submit (attached to this form) tables showing the sample collection date, the analytical results [including all peaks even if below the Method Detection Limits (MDL)], designation of upgradient wells and location number for each environmental monitoring point sampled, applicable water quality standards, and groundwater protection standards if established, MDL's, and Chemical Abstracts Service (CAS) numbers on all parameters. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 15 - COMPARING DATA

Submit (attached to this form) tables or graphical representations comparing current water quality with existing water quality and with upgradient water quality. These comparisons may include Piper diagrams, Stiff diagrams, tables, or other analyses. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 16 - DISCUSSION OF RESULTS

Submit (attached to this form) a summary of any contraventions of State water quality standards, significant increases in concentrations above existing water quality, any exceedances of groundwater protection standards, and discussion of results, and any proposed modifications to the sampling and analysis schedule necessary to meet the Existing, Operational and Contingency water quality monitoring requirements. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 17 - DATA QUALITY ASSESSMENT

Submit (attached to this form) any required data quality assessment reports. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 18 - SUMMARIES OF MONITORING DATA

Submit (attached to this form) a summary of the water quality information presented in Sections 15 and 16 for the year of operation for which the Annual Report is made, noting any changes in water quality which have occurred throughout the year. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 19 - SURFACE IMPOUNDMENTS

Does this landfill have a surface impoundment? __X__Yes _____No

If yes, there are separate water quality reporting requirements for surface impoundments. Namely, for each surface impoundment, repeat Sections 14 through 17 above for Quarterly Reports and Section 18 above for Annual Reports. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

The requested information is included in the Environmental Monitoring Reports, submitted to the NYSDEC under separate cover.

SECTION 20 - PERMIT/CONSENT ORDER REPORTING REQUIREMENTS

Are there any additional permit/consent order reporting requirements not covered by the previous sections of this form? _____Yes ___X__No

If yes, identify the reporting requirements with their respective responses below, attaching additional sheets as necessary. List submissions (required by this section) that have been attached to this form or the reasons for not attaching a required piece of information:

_____

_____

_____

SECTION 21 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: swpermit@gw.dec.state.ny.us

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Signature

01. MAR. 13
Date

Carla M. Jordan
Name (Print or Type)

Regional Engineering Manager
Title (Print or Type)

carla.jordan@casella.com
Email (Print or Type)

1879 State Routes 5 & 20
Address

Stanley
City

New York 14561
State and Zip

(585) 526-4420
Phone Number

ATTACHMENTS: _X_ YES ____ NO
(Please check appropriate line)

REPRINTED (10/12)

Section 3 - Primary Leachate

Annual Leachate Line Cleaning Logs

Precision Industrial Maintenance
Daily Line Cleaning Record

Project No: 12-0456 Site Location: Leachate System Date: 7/16-7/20/12

Customer: Chemung Landfill PIM Techs: L. Thomas, L. Brooks, M. Schulze Weather: rainy

Date	Location Cell / Street	Line Segment MH No. to MH No.		Pipe Diameter	Pipe Type	Total Length Linear Footage	Total Linear Footage Cleaned	No. of Passes	Water Used Total Gallons	Total Gallons Leachate Vac.
[redacted]										
7/16/2012	AREA 5	C/O 7	C/O 6	6"	PVC	250'	30'	2	100	
7/16/2012		C/O 6	C/O 5?	6"	PVC	250'	250'	3	2,500	
7/17/2012	Cell IIIB & IIIA	MSW CO 3	MH4	6"	HDPE	800'	800'	2	2,500	
7/17/2012	Cell IVA	CO	Pump house CO	6"	HDPE	800'	800'	2	750	
7/17/2012	Cell IVB	CO	Pump house CO	6"	HDPE	800'	800'	2	750	
7/18/2012	C&D Pump Pit	Vac Out Pit							250	1,000
7/18/2012	Manhole 1A	Vac Out Manhole								
7/19/2012	Pond Washed Down									
7/19/2012	Pond	Vac Out								8 loads 2,500
7/20/2012	Pond	Vac Out								

Legend: MH - Manhole
CO - Cleanout

Precision Industrial Maintenance
Daily Line Cleaning Record

Project No: 12-0456 Site Location: Leachate System Date: 7/25 - 7/26/12

Customer: Chemung Landfill PIM Techs: L. Thomas, L. Brooks, M. Schulze Weather: sunny / cloudy

Date	Location Cell / Street	Line Segment MH No. to MH No.		Pipe Diameter	Pipe Type	Total Length Linear Footage	Total Linear Footage Cleaned	No. of Passes	Water Used Total Gallons	Total Gallons Leachate Vac.
7/25/2012	Cell IIB, IIIA	C/O 2	MH 6	6"	HDPE	800'	800'	2	1500	
7/25/2012	Cell IIB, IIIA	C/O ?	MSW4&4	6"	HDPE	250'	250'	2	500	
7/25/2012		MSW01	End	6"	HDPE	200'	200'	2	400	
7/25/2012		MSWFlair	MSH01	6"	HDPE	250'	250'	2	400	
7/25/2012	Cell IIB, IIIA	MH6	C/O UIA	6"	HDPE	350'	200'	2	1,000	
7/25/2012		C/O 1A	MH6	6"	HDPE	350'	350'	2	800	
7/25/2012		MH6	MSW C/O2	6"	HDPE	800'	300'	2	800	
7/25/2012		MH4	MH6	4"	PVC	200'	200'	2	800	
7/25/2012		MH4	MSW C/O3	4"	PVC	800'	150'	2	800	
7/25/2012		MH4	MH2	4"	PVC	200'	200'	2	600	
7/25/2012		MH2	MSW C/O4	4"	HDPE	100'	100'	2	600	
7/25/2012		MH2	MH1	4"	PVC	500'	200'	2	800	
7/26/2012		C/O1A	Flair	6"	PVC	250'	250'	2	800	
7/26/2012		MH1	MH2	4"	PVC	500'	400'	2	1,000	
7/26/2012		pond	MH1	4"	PVC	150'	150'	2	400	
7/26/2012		pond	MH1	6"	PVC	150'	150'	8	2,000	
7/26/2012		pond	pumphouse	4"	HDPE	1,000'	1,000'	2	2,500	

Legend: MH - Manhole
CO - Cleanout

Section 6 - Quantity of Solid Waste Disposed

B. Quantity Disposed by Facility's Service Area

CHEMUNG COUNTY LANDFILL - FACILITY SERVICE AREA

WASTE TYPE	COUNTY	STATE	TONNAGE
Drill Cuttings	Sullivan	PA	469.88
Drill Cuttings	Bradford	PA	36938.59
Drill Cuttings	Tioga	PA	3180.30
Drill Cuttings	Susquehanna	PA	16098.45
Drill Cuttings	Sullivan	PA	4041.84
Drill Cuttings	Wyoming	PA	792.43
Drill Cuttings	Various	PA	4381.39
			65902.88

CHEMUNG COUNTY LANDFILL - FACILITY SERVICE AREA

WASTE TYPE	COUNTY	STATE	TONNAGE
Industrial Waste	Chemung	NY	9676.10
Industrial Waste	Delaware	NY	172.10
Industrial Waste	Nassau	NY	217.77
Industrial Waste	Schuyler	NY	93.56
Industrial Waste	Seneca	NY	114.13
Industrial Waste	Steuben	NY	342.68
Industrial Waste	Sullivan	NY	11.50
Industrial Waste	Tioga	NY	37.75
Industrial Waste	Tompkins	NY	12.18
Industrial Waste	Warren	NY	1.23
Industrial Waste	Wyoming	NY	28.77
Industrial Waste	Bradford	PA	9608.16
Industrial Waste	Tioga	PA	626.58
Industrial Waste	Susquehanna	PA	1017.34
Industrial Waste	Sullivan	PA	369.98
Industrial Waste	Wyoming	PA	251.03
Industrial Waste	Various	PA	535.78
Industrial Waste	Other	--	8.38
Industrial Waste	Other	--	5.74
			23130.76

CHEMUNG COUNTY LANDFILL - FACILITY SERVICE AREA

WASTE TYPE	COUNTY	STATE	TONNAGE
Sewage Treatment Plant Sludge	Delaware	NY	32.35
Sewage Treatment Plant Sludge	Dutchess	NY	29.93
Sewage Treatment Plant Sludge	Tompkins	NY	33.68
			95.96

Section 8 - Unauthorized Solid Waste

Radiation Monitoring Reports

Radiation Monitor Alarm Record

The facility must complete this form if the radiation monitor alarms.

Initial Alarm: Date: 4/13/12 Time: 8:48 AM Scale-house Attendant: Ron Peterson

Radiation Monitor Reading: 39.3 kcps Background Reading: 4.3 kcps

Hauler: Judson Inc. Type of Truck Body: Dump Truck

Truck No. 108 Trailer No.: N/A

Vehicle License Plate No.: AF-96452-Pa. Part 364 Permit No. PA-468

Driver: Max D. Lathrop Waste Origin (Facility): Bradford, PA.

Material Hauled: Drill Cuttings Special Waste Number if Applicable: 2037

Notes: Driver said He had Medical Treatment

ACTIONS:

1. Alert onsite management that the alarm has been triggered.
2. Record the radiation monitor reading and the other information shown above.
3. Instruct the driver to pull off of the scale and park the truck away from the detectors. Turn off the engine to avoid idling. Ensure that the alarm has ceased and the monitor is reading normal background.
4. If the driver has received a recent nuclear medical procedure, ask him to walk near the detector to determine if he is the source. If the driver is the source, re-measure the truck alone by using an alternate driver or have the original driver park on the scale and walk away from the truck and detectors. If the truck alone does not set off the alarm, it may pass through. There is no restriction on a driver who has had a medical procedure.
5. If the truck is determined to be the source, facility management will provide direction.
6. A trained staff member will check the type and origin of the load and perform measurements to determine the type of radioactive materials present. Ensure that the results of the investigation are written on or are attached to this form.
7. Management shall notify the NYSDEC and County immediately, and if the office is staffed, or at the earliest possible time that personnel are on duty.
   NYSDEC Region 8 Division of Materials Management: Ph (585) 226-5414 or Ph (585) 226-5510
   Chemung County Dept of Health: Ph (607) 737-2019; Fax: (607) 737-2059
   NYSDEC Radiological Sites Section : Ph (518) 402-8579; Fax (518) 402-8024
8. Notify the Hauler's dispatch or representative.
9. The truck must remain parked until the situation is resolved.
10. If the driver leaves without authorization, contact NYSDEC Region 8 at the number above.

This Section To Be Completed By Facility Management:

Trained Responder: Larry Wolfe

Observations: Driver was told set Alarm off I Drove Truck Through - NO Alarm.

Event Resolution: Date: 4-13-2012 G.M. Acknowledgement:

Description: Carla notified she called Doc I Did Reject Load Because of Stabbing Wound

NYSDEC Notified:

Section 9 - Waste in Place

Summary by Waste Type and Year

SOLID WASTE DISPOSAL SUMMARY

Chemung County Landfill

Year	Municipal Solid Waste	C&D Debris (tons)	Asbestos	Industrial Waste	Ash(tons)	Sludge (Tons)	Contaminated Soil (tons)	Drill Cuttings	Exempt Flood Debris	Total Tons	Area of Landfill
74-82	272,216	59,059	0	126,340	1,608	28,154	22,143			509,520	1
83-88	164,146	35,600	0	76,183	970	16,977	13,352			307,228	2
1991										68,952	3
1992										53,994	3
1993										68,505	3
1994										78,040	3
1995										81,939	3
1996										72,974	3
1997										71,389	3
1998										75,995	3
1999										87,373	3
2000										86,486	3
2001										84,247	3
2002										81,079	3
2003	56,571	2,470	0	21,716	0	4,314	2,824			87,895	3
2004	56,144	5,625	0	25,383	0	4,515	969			92,636	3
2005	79,779	0	0	24,239	0	3,078	403			107,499	3
2006*	101,303	6,736	0	11,532	0	16	17			119,604	3
2007*	103,952	1,970	0	96,001	0	0	0			201,923	3
2008*	94,141	8,024	0	16,190	0	0	0			118,356	3
2009*	80,783	3,295	0	15,472	0	0	0			99,550	3
2010*	59,646	11	0	11,003	0	0	0	48,225		118,885	3
2011*	71,481	1,254	0	25,605	0	41	0	58,741	21,370	178,492	3
2012*	87,432	2,201	0	23,131	0	96	0	65,903	0	178,763	3
Total	1,227,594	126,246	0	472,796	2,578	57,191	39,708	172,869	21,370	3,031,324	

* Tonnage Numbers do not include material utilized as a BUD

2006 Numbers include 16,308.5 tons of flood waste

Section 11 - Cost Estimates and Financial Assurance Documents

Table 1.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
CLOSURE & POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE SUMMARY

Description	Active Cells I - IV-C, Active C&D, Closed Area 3, 5 and C&D Landfills
MSW Landfill Closure	$3,390,055
C&D Landfill Closure	$1,563,095
Total Closure Cost	$4,953,150

Description	Active Cells I - IV-C, Active C&D, Closed Area 3, 5 and C&D Landfills
Annual Post Closure Operation and Maintenance	30 Years @ $ 205,530
Leachate Treatment and Hauling	$1,288,639
Total Post Closure Cost	$7,454,539

Total Closure and 30 Year Post Closure Cost = $12,407,689

Table 2a.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
MSW LANDFILL CLOSURE FINANCIAL ASSURANCE COST ESTIMATE

21.30	acres	33% slopes
3.7	acres	4% slope
4.00	acres	Existing capped

Total Closure Acreage:	25.00

Cells I, II, III-A, III-B, IV-A, IV-B & IV-C CLOSURE Component	Quantity	Unit	Unit Price ($)	Cost
Mobilization/Demobilization	1.00	LS	$ 80,000.00	$ 80,000
Grading	25.00	acres	$ 3,500.00	$ 87,500
Erosion Control	25.00	acres	$ 3,500.00	$ 87,500
Fertilize, Seed & Mulch	25.00	acres	$ 3,000.00	$ 75,000
Barrier Protection Layer	80,666.67	cy	$ 9.00	$ 726,000
Geosynthetic Clay Layer (4% Slope Only)	161,172.00	sf	$ 0.55	$ 88,645
40 MIL Textured LLDPE Geomembrane	1,089,000.00	sf	$ 0.46	$ 500,940
Composite Geonet	1,089,000.00	sf	$ 0.55	$ 598,950
Topsoil Layer	20,166.67	cy	$ 14.00	$ 282,333
Vertical Gas Collection Wells	25.00	ea.	$ 15,000.00	$ 375,000
Stormwater Controls	25.00	acres	$ 6,000.00	$ 150,000
Toe Drain	1.00	LS	$ 30,000.00	$ 30,000
Design / QA/QC (10% of Construction Cost)				$ 308,187
			Cells I - IV-C Total =	**$ 3,390,055**
			Cost Per Acre	**$ 135,602**

Table 2b.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
C&D LANDFILL CLOSURE FINANCIAL ASSURANCE COST ESTIMATE

3.00	acres	33% slopes
7.00	acres	4% slope
---	acres	Existing capped

Total Closure Acreage	10.00

Active C&D Landfill Component	Quantity	Unit	Unit Price ($)	Cost
Mobilization/Demobilization	1.00	LS	$ 80,000.00	$ 80,000
Grading	10.00	acres	$ 3,500.00	$ 35,000
Erosion Control	10.00	acres	$ 3,500.00	$ 35,000
Fertilize, Seed & Mulch	10.00	acres	$ 3,000.00	$ 30,000
Barrier Protection Layer	32,266.67	cy	$ 9.00	$ 290,400
Geosynthetic Clay Layer (4% Slope Only)	304,920.00	sf	$ 0.55	$ 167,706
40 MIL Textured LLDPE Geomembrane	435,600.00	sf	$ 0.46	$ 200,376
Composite Geonet	435,600.00	sf	$ 0.55	$ 239,580
Topsoil Layer	8,066.67	cy	$ 14.00	$ 112,933
Vertical Gas Collection Wells	10.00	ea.	$ 15,000.00	$ 150,000
Stormwater Controls	10.00	acres	$ 6,000.00	$ 60,000
Toe Drain	1.00	LS	$ 20,000.00	$ 20,000
Design / QA/QC (10% of Construction Cost)				$ 142,099.53
			C&D Total =	**$ 1,563,095**
			Cost Per Acre	**$ 156,309**

Note: 18.61 acres of existing cap is present on Area 3, Area 5 and the Closed C&D landfills

Table 3.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE

Annual Post Closure Costs

Ops, Maint. Admin	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Cap repair (labor and equipment)	hr	$ 200.00	25.0	$ 5,000.00
General labor	hr	$ 50.00	25.0	$ 1,250.00
Seeding and fertilizing cap	acre	$ 1,500.00	1.0	$ 1,500.00
Mowing	acre	$ 100.00	57.6	$ 5,760.00
Surface water management maintenance	lump sum	$ 2,500.00	1.0	$ 2,500.00
Security and building repairs	lump sum	$ 500.00	1.0	$ 500.00
Annual inspections and reports	lump sum	$ 2,500.00	1.0	$ 2,500.00
Site Utilities (excluding gas system)	annual	$ 10,000.00	1.0	$ 10,000.00
			Operation, Maint., Admin costs:	**$ 29,010.00**

Water Monitoring	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Water Quality Sampling	lump sum	$ 12,200.00	4	$ 48,800.00
Water Quality Analysis	lump sum	$ 14,300.00	4	$ 57,200.00
Reporting	lump sum	$ 3,000.00	4	$ 12,000.00
Well replacements	each	$ 2,000.00	1	$ 2,000.00
Contingency Sampling	each	$ 1,600.00	1	$ 1,600.00
			Ground and surface water monitoring costs:	**$ 121,600.00**

Leachate Management	Units	Unit Cost	Quantity/Yr	Total Cost/Yr
Leachate management system repairs	lump sum	$ 20,000.00	1	$ 20,000.00
System operation and maintenance	lump sum	$ 10,000.00	1	$ 10,000.00
Leachate sampling and testing	lump sum	$ 1,800.00	2	$ 3,600.00
			Leachate Management Costs:	**$ 33,600.00**

Table 3.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE

Annual Post Closure Costs

Landfill Gas Management	Input data	Unit Cost	Quantity/Yr	Total Cost/Yr
Annual % repair and replacement	0.50%			
	Units			
Well Repair and Replacement	/acre	$ 15,000.00	57.6	$ 4,320.00
Blower replacements	each	$ 2,000.00	1.0	$ 2,000.00
Flare maintenance	annual	$ 2,500.00	1.0	$ 2,500.00
Electricity: blower	annual	$ 2,500.00	1.0	$ 2,500.00
System operation and inspection	LS	$ 2,500.00	1.0	$ 2,500.00
Gas probes: testing and report	annual	$ 1,000.00	1.0	$ 1,000.00
Compliance Monitoring	annual	$ 5,000.00	1.0	$ 5,000.00
Permit Fees (Title V NSPS)	annual	$ 1,500.00	1.0	$ 1,500.00
			Landfill Gas Management Costs:	**$ 21,320.00**
			Annual Post Closure Costs :	**$ 205,530.00**

Figure 1

Chemung County Landfill Post Closure Leachate Regression

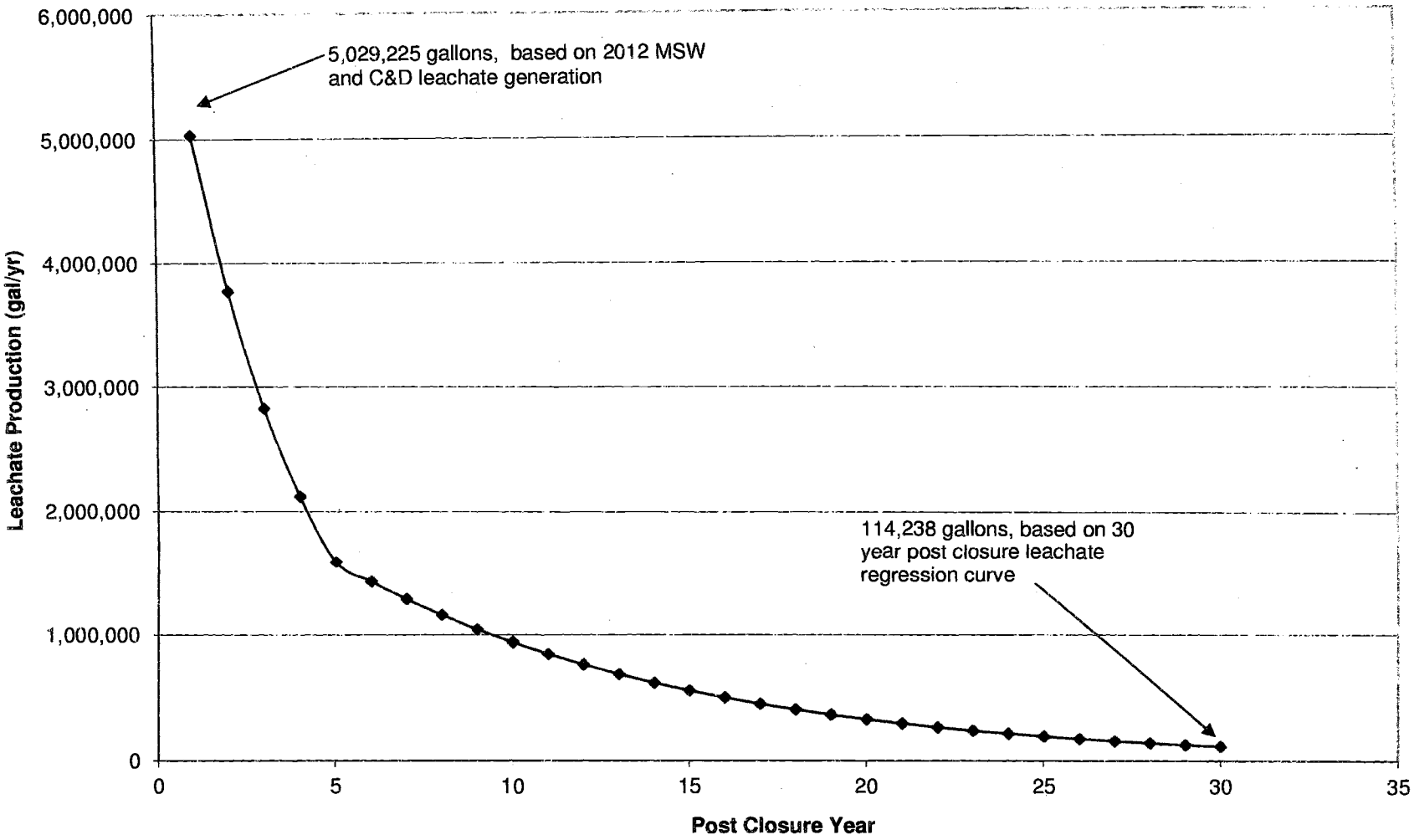

Table 4.
CHEMUNG LANDFILL, LLC.
CHEMUNG COUNTY LANDFILL
POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE

Post Closure Year	Leachate Generated (Gal.)	Cost *
Year 1**	5,029,225	226,315.13
Year 2	3,771,919	169,736.35
Year 3	2,828,939	127,302.26
Year 4	2,121,704	95,476.69
Year 5	1,591,278	71,607.52
Year 6	1,432,150	64,446.77
Year 7	1,288,935	58,002.09
Year 8	1,160,042	52,201.88
Year 9	1,044,038	46,981.69
Year 10	939,634	42,283.52
Year 11	845,670	38,055.17
Year 12	761,103	34,249.66
Year 13	684,993	30,824.69
Year 14	616,494	27,742.22
Year 15	554,844	24,968.00
Year 16	499,360	22,471.20
Year 17	449,424	20,224.08
Year 18	404,482	18,201.67
Year 19	364,033	16,381.50
Year 20	327,630	14,743.35
Year 21	294,867	13,269.02
Year 22	265,380	11,942.12
Year 23	238,842	10,747.90
Year 24	214,958	9,673.11
Year 25	193,462	8,705.80
Year 26	174,116	7,835.22
Year 27	156,704	7,051.70
Year 28	141,034	6,346.53
Year 29	126,931	5,711.88
Year 30	114,238	5,140.69
Totals	28,636,432	1,288,639

* - Leachate Disposal Cost = $0.045/gallon (Includes Hauling and Treatment)
** - Leachate Generation Based on 2012 leachate generation (2,996,117 gal.) plus C&D leachate generation (2,033,108 gal.)