



Hyland Facility Associates

HYLAND LANDFILL

**ANGELICA
ALLEGANY COUNTY, NEW YORK**

***2017 – 4th QUARTER
ANNUAL) OPERATIONS REPORT***

**Hyland Facility Associates Landfill
6653 Herdman Road
Angelica, NY 14709**

**Permit Number: 9-0232-00003/00002
Facility Number SW # 02S17**

Prepared: February 2018

MSW, INDUSTRIAL OR ASH LANDFILL ANNUAL/QUARTERLY REPORT

Submit the Annual Report no later than March 1, 2018.

- A. This annual/quarterly report is for the year of operation from January 01, 2017 to December 31, 2017
 B. Quarterly Report for: ___ Quarter 1 ___ Quarter 2 ___ Quarter 3 ___ Quarter 4

SECTION 1 – FACILITY INFORMATION

FACILITY INFORMATION			
FACILITY NAME:			
FACILITY LOCATION ADDRESS:	FACILITY CITY:	STATE:	ZIP CODE:
FACILITY TOWN:	FACILITY COUNTY:	FACILITY PHONE NUMBER:	
FACILITY NYS PLANNING UNIT: <i>(A list of NYS Planning Units can be found at the end of this report).</i>			NYSDEC REGION #:
360 PERMIT #:	DATE ISSUED:	DATE EXPIRES:	NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER:
FACILITY CONTACT:	<input type="checkbox"/> public <input type="checkbox"/> private	CONTACT PHONE NUMBER:	CONTACT FAX NUMBER:
CONTACT EMAIL ADDRESS:			
OWNER INFORMATION			
OWNER NAME:	OWNER PHONE NUMBER:	OWNER FAX NUMBER:	
OWNER ADDRESS:	OWNER CITY:	STATE:	ZIP CODE:
OWNER CONTACT:	OWNER CONTACT EMAIL ADDRESS:		
OPERATOR INFORMATION			
OPERATOR NAME:	<input type="checkbox"/> same as owner	<input type="checkbox"/> public <input type="checkbox"/> private	
PREFERENCES			
Preferred address to receive correspondence: <input type="checkbox"/> Other (provide):	<input type="checkbox"/> Facility location address	<input type="checkbox"/> Owner address	
Preferred email address: <input type="checkbox"/> Other (provide):	<input type="checkbox"/> Facility Contact	<input type="checkbox"/> Owner Contact	
Preferred individual to receive correspondence: <input type="checkbox"/> Other (provide):	<input type="checkbox"/> Facility Contact	<input type="checkbox"/> Owner Contact	

Did you operate in 2017? Yes; Complete this form.

No; Complete and submit Sections 1 and 22. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, also complete the "Inactive Solid Waste Management Facility or Activity Notification Form" located at: <http://www.dec.ny.gov/chemical/52706.html> .

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?

_____ Cubic Yards of Airspace

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

_____ Tons/Cubic Yard

Please do not report units as pounds per cubic yard.

2. Remaining Constructed Capacity

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

_____ Cubic Yards of Airspace

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

_____ Years _____ Months

at _____ 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

_____ 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?

_____ Cubic Yards of Airspace

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

_____ Years _____ Months

at _____ 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): _____

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?

_____ 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?

_____ Cubic Yards of Airspace

SECTION 3 - PRIMARY LEACHATE

Wellsville WWTP, Jamestown WWTP, Belmont WWTP

Name of off-site leachate treatment facility(s) utilized: Westfield WPCF, Steuben CPW, Bolivar WWTP

Does the landfill have a constructed liner and a leachate collection system? ____ 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)						
	Cells 1, 2, 3, & 4 (48.9 Acres)						Cells 1, 2, 3, & 4 (48.9 Acres) Includes Secondary Leachate						
January	1,286,496						1,140,205						
February	1,056,563						996,519						
March	989,589						1,120,720						
April	1,140,023						1,005,042						
May	1,276,668						1,360,649						
June	1,038,901						1,212,085						
July	908,495						931,932						
August	788,284						854,233						
September	766,974						741,465						
October	880,575						827,820						
November	860,497						914,099						
December	863,991						880,315						
ANNUAL	11,857,056						11,985,084						

	PRIMARY LEACHATE RECIRCULATED (GALLONS)						PRIMARY LEACHATE TREATED ON SITE (GALLONS)						
	There was no leachate recirculation						There was no leachate treated on site.						
January													
February													
March													
April													
May													
June													
July													
August													
September													
October													
November													
December													
ANNUAL													

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:

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:

SECTION 4 - SECONDARY LEACHATE

Does landfill have a double liner system with a secondary leachate collection and removal system? _____ 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:

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: _____ gal

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)					
	Cells 1, 2, 3, & 4 (48.9 Acres)						Cells 1, 2, 3, & 4 (48.9 Acres)					
January	4,964						The volume of secondary leachate treated off site is included in the primary leachate volume table.					
February	5,444											
March	7,229											
April	13,257											
May	3,832											
June	2,047											
July	5,586											
August	1,622											
September	1,687											
October	4,344											
November	2,952											
December	1,931											
ANNUAL	54,895											

	SECONDARY LEACHATE RECIRCULATED (GALLONS)						SECONDARY LEACHATE TREATED ON SITE (GALLONS)					
	There was no leachate recirculation						There was no leachate treated on site.					
January												
February												
March												
April												
May												
June												
July												
August												
September												
October												
November												
December												
ANNUAL												

SECTION 5 – BENEFICIAL USE DETERMINATION MATERIALS

For each type of waste material that the Department has approved for use as alternative 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)
Aggregate/Concrete						
Contaminated Soil						
Foundry Sand						
Glass						
Industrial Waste (specify)						
MSW/Wood Ash						
Paper Mill Sludge						
Processed C&D						
Shredder Fluff						
Tire Chips						
Wood/Wood Chips						
Other (specify)						
Total ADC						
Total Beneficial Use Determination Materials						

Percent Alternative Daily Cover (ADC) Calculation

ADC Calculations: Total Tons ADC/Total Tons Waste Disposed x 100 = _____

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

SECTION 6 - SOLID WASTE DISPOSED

Provide the tonnages of solid waste disposed. Exclude Beneficial Use Material amounts reported in Section 5 and Recyclable Material amounts reported in Section 8. 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	707.90	803.59	2,936.90	4,575.08	2,345.25	1,435.59	982.90
Ash (Coal)							
Ash (MSW Energy Recovery)							
Construction & Demolition Debris (mixed)	12,023.37	10,874.97	11,033.46	9,496.93	11,071.61	9,868.46	8,382.00
Industrial Waste (Including Industrial Process Sludges)	731.37	1,335.08	755.48	850.64	891.27	870.35	756.03
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	17,428.92	13,276.60	12,970.29	13,146.05	15,124.32	16,644.99	14,235.47
Oil/Gas Drilling Waste							
Petroleum Contaminated Soil			591.41		17.50	481.26	
Sewage Treatment Plant Sludge	4,502.61	3,768.08	4,605.18	3,888.43	4,760.11	4,866.44	4,543.49
Treated Regulated Medical Waste							
Emergency Authorization Waste (Storm Debris)							
Other (specify)							
Total Tons Disposed	35,394.17	30,058.32	32,892.72	31,957.13	34,210.09	34,167.09	28,899.89

SECTION 6 - SOLID WASTE DISPOSED (continued)

Daily Average Based on 274 Days

Type of Solid Waste	Tip Fee (\$/Ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Asbestos		1,021.14	790.88	840.01	1,282.92	819.86	18,542.05	67.67
Ash (Coal)								
Ash (MSW Energy Recovery)								
Construction & Demolition Debris (mixed)		8,611.20	17,631.86	17,211.62	19,853.99	18,220.69	154,280.16	563.07
Industrial Waste (Including Industrial Process Sludges)		1,026.09	2,168.79	770.76	1,569.58	771.10	12,496.54	45.61
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)		15,787.57	16,326.62	14,531.72	20,582.23	19,975.24	190,030.02	693.54
Oil/Gas Drilling Waste				1,463.32			1,463.32	5.34
Petroleum Contaminated Soil		35.84		163.63			1,289.64	4.71
Sewage Treatment Plant Sludge		4,998.59	5,232.28	4,367.45	4,750.98	4,913.61	55,197.25	201.45
Treated Regulated Medical Waste								
Emergency Authorization Waste (Storm Debris)								
Other (specify)								
Total Tons Disposed		31,480.43	42,150.43	39,348.51	48,039.70	44,700.50	433,298.98	1,581.38

SECTION 7 – SERVICE AREA OF SOLID WASTE RECEIVED

Identify the service area of the waste. The Total Tons Received reported below should equal the Total Tons Disposed in Section 6 (Solid Waste Disposed). **DO NOT REPORT IN CUBIC YARDS!**

1) Direct hauled from the generator of the waste. In the case where the waste is hauled to your facility from the generator (i.e. hauled from residences, commercial establishments, etc.), **“Direct Haul”** is the appropriate response in Column 2 under “Service Area.” Please report the tonnage by waste type and identify the state, county and planning unit where it was generated; or

2) Sent to your facility from another solid waste management facility. Waste may be sent to your transfer station from another solid waste management facility. In this case, please report the tonnage by waste type from each sending solid waste management facility, as well as the sending facility’s name, address, county, and the planning unit where the sending facility is located.

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

_____% Road ____% Rail ____% Water ____% Other (specify:_____)

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

SERVICE AREA OF SOLID WASTE RECEIVED					
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					
Ash (Coal)					
	See Attachment 3-Waste Origin				
Ash (MSW Energy Recovery)					
Construction & Demolition Debris (mixed)					

SERVICE AREA OF SOLID WASTE RECEIVED

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 _____

SECTION 8 –LANDFILL RECYCLABLE & RECOVERED MATERIALS

Is your facility also a permitted or registered Recyclables Handling & Recovery Facility?

- Yes; Complete Section 9 for material recovered from the mixed solid waste stream. Complete a Recyclables Handling & Recovery Facility (RHRF) form for material received as source separated. The RHRF form is located at: <http://www.dec.ny.gov/chemical/52706.html> .
- No; Complete Section 9 for material recovered from the mixed solid waste stream and for material received as source separated.

A. Service Area of Recyclable Material Received

Identify the service area of the material. DO NOT REPORT IN CUBIC YARDS!

1) Direct hauled from the generator of the recyclables. In the case where the recyclables are hauled to your facility from the generator (i.e. hauled from residences, commercial establishments, etc.), **“Direct Haul”** would be the appropriate response in Column 2 under “Service Area”. Please report the tonnage by material type and identify the state, county and planning unit where it was generated; or

2) Sent to your facility from another solid waste management facility. Recyclables may be sent to your facility from another solid waste management facility. In this case, please report the tonnage by material type from each sending solid waste management facility, as well as the sending facility’s name, address, county, and the planning unit where the sending facility is located.

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

SERVICE AREA OF RECYCLABLE MATERIAL RECEIVED					
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
Commingled Containers <i>(metal, glass, plastic)</i>					
Commingled Paper <i>(all grades)</i>					
Single Stream <i>(total)</i>					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste <i>(curbside)</i>					
Other <i>(specify)</i>					
TOTAL RECEIVED (tons):					_____

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS

B. Material Recovered

Identify the name of the destination facility to which the material was sent from your facility, the corresponding State/Country, the County/Province, the NYS Planning Unit, and the amount of 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 material transported by each:

_____% Road ____% Rail ____% Water ____% Other (specify: _____)

Explain which materials and destinations below are included in these transport methods _____

PAPER RECOVERED					
RECOVERED MATERIAL	DESTINATION <small>(Name & Address)</small>	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT <small>(See Attached List of NYS Planning Units)</small>	TONS RECOVERED <small>(out of facility)</small>
Commingled Paper <small>(all grades)</small>					
Corrugated Cardboard					
Junk Mail					
Magazines					
Newspaper					
Office Paper					
Paperboard / Boxboard					
Other Paper <small>(specify)</small>					
TOTAL PAPER RECOVERED (tons):					_____

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

GLASS RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECOVERED (out of facility)
Container Glass					
Industrial Scrap Glass					
Other Glass (specify)					
TOTAL GLASS RECOVERED (tons):					
METAL RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECOVERED (out of facility)
Aluminum Foil / Trays					
Bulk Metal (from MSW)					
Bulk Metal (from CD debris)					
Enameled Appliances / White Goods					
Industrial Scrap Metal					
Tin & Aluminum Containers					
Other Metal (specify)					
TOTAL METAL RECOVERED (tons):					

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

PLASTIC RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECOVERED (out of facility)
Mixed Plastic (#1 - #7)					
PET (plastic #1)					
HDPE (plastic #2)					
Other Rigid Plastics (#3 - #7)					
Industrial Scrap Plastic					
Plastic Film & Bags					
Other Plastics (specify)					
TOTAL PLASTIC RECOVERED (tons):					_____

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

MIXED MATERIAL RECOVERED					
RECOVERED MATERIAL	DESTINATION <i>(Name & Address)</i>	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT <i>(See Attached List of NYS Planning Units)</i>	TONS RECOVERED <i>(out of facility)</i>
Commingled Containers <i>(metal, glass, plastic)</i>					
Commingled Paper & Containers					
Single Stream <i>(total)</i>					
Other <i>(specify)</i>					
TOTAL MIXED MATERIAL RECOVERED (tons):					_____

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

MISCELLANEOUS MATERIAL RECOVERED					
RECOVERED MATERIAL	DESTINATION (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECOVERED (out of facility)
Electronics					
Textiles					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					
Other (specify)					
TOTAL MISCELLANEOUS MATERIAL RECOVERED (tons):					

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

SECTION 9 – UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the facility during the reporting period?

Yes No If yes, give information below for each incident (attach additional sheets if necessary): 2017-1st Quarter

Date Received	Type Received	Date Disposed	Disposal Method & Location

Radiation Monitoring

Does your facility use a fixed radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 375 of fixed unit.

Does your facility use a portable radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 702i 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
	2/27/17	7:36am	BFC	Centerpoint Transfer	534	12.9 kcps	Material was disposed in landfill after radiation survey identified material as I-131 and approval received via email from NYSDEC T. Papura on 2/27/17		

SECTION 9 – UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the facility during the reporting period?

Yes No If yes, give information below for each incident (attach additional sheets if necessary):

2017-2nd Quarter

Date Received	Type Received	Date Disposed	Disposal Method & Location

Radiation Monitoring

Does your facility use a fixed radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 375 of fixed unit.

Does your facility use a portable radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 702i 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
	4/4/17	10:04am	MBI	Chemung Transfer	1612	11.8 kcps	Material was disposed in landfill after radiation survey identified material as I-131 and approval received via email from NYSDEC T. Papura on 4/4/17.		
	6/22/17	2:28pm	SDS Olean	Potter Co. PA Transfer	8266	13.7 kcps	Material was disposed in landfill after radiation survey identified material as I-131 and approval received via email from NYSDEC T. Papura on 6/23/17.		
	6/30/17	8:14am	Allegany County	Allegany Co. NY Transfer	9	13.3 kps	Material was disposed in landfill after radiation survey identified material as I-131 & I-123 and approval received via email from T. Papura on 7/5/17.		

SECTION 9 – UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the facility during the reporting period?

Yes No If yes, give information below for each incident (attach additional sheets if necessary):

2017-3rd Quarter

Date Received	Type Received	Date Disposed	Disposal Method & Location
8/8/17	Sludge from RIDG-U-PAK	NA	Review of documentation showed that waste approval had expired. Load was rejected at Scale.

Radiation Monitoring

Does your facility use a fixed radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 375 of fixed unit.

Does your facility use a portable radiation monitor? Yes No

Identify Manufacturer Ludlum and Model 702i 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
	7/7/17	10:54am	Goulet Trucking	Beacon WWTP	14-17	17.4 kcps	Material was disposed in landfill after radiation survey identified material as I-131 and approval received via email from NYSDEC T. Papura on 7/7/17.		
	7/20/17	8:34am	Lardon Construction	Nu Waste, LLC	201	10.8 kcps	Material was disposed in landfill after radiation source material was segregated from the load and transported to a licensed facility. The radiation source was identified as radium wire/rope.		

SECTION 9 – UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the facility during the reporting period?

Yes No If yes, give information below for each incident (attach additional sheets if necessary):

2017-4th Quarter

Date Received	Type Received	Date Disposed	Disposal Method & Location

Radiation Monitoring

Does your facility use a fixed radiation monitor? ____ Yes ____ No

Identify Manufacturer _____ and Model _____ of fixed unit.

Does your facility use a portable radiation monitor? ____ Yes ____ 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
							Material disposed in landfill after radiation survey identified material as I-131 and approval email received from T. Rice-NYSDEC on 11/22/17.		
							Material disposed in landfill after radiation survey identified material as I-131 and approval email received from T. Rice-NYSDEC on 11/22/17.		
	12/13/17	0740	Innovation Transport	Bronx Transfer Station	004	17.5 kcps	Material disposed in landfill after radiation survey identified material as I-131 and approval email received from T. Papura-NYSDEC on 12/14/17.		

SECTION 10 - 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.

Data for years 1998-2017 are included in Attachment 4-Waste in Place

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										

Overall in place volume _____ cubic yards (As of July 19, 2017)

Method for determining waste composition, if known. _____

Explain if closed landfills are included above _____

Waste Summary by Landfill Section

Provide waste in place information for all landfill sections.

Number of landfill sections: _____ There are 4 contiguous sections, all in operation

Original* section used (years) from _____ to _____

Next* section used (years) from _____ to _____

Section Footprint _____ acres

Section Footprint _____ acres

Capped with approved final cover system Yes _____ No _____

Capped with approved final cover system Yes _____ No _____

Percent capped _____

Percent capped _____

Waste in Place: _____ Tons _____ Cubic Yards, if known

Waste in Place: _____ Tons _____ Cubic Yards, if known

* 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 11 - LANDFILL GAS

Does the landfill have a landfill gas collection & control system?

Yes _____ No _____

If Yes: Active ____ Passive ____

Number of gas wells: ^{39 gas wells and 38 horizontal collectors} _____

Total landfill footprint acreage _____

Total landfill acreage from which gas is collected _____

Landfill sections from which gas is collected _____

Landfill acreage from which gas is collected for energy recovery _____

Measured Methane Generation Rate*, k _____

Measured Potential Methane Generation Capacity*, Lo _____ m³/Mg

NMOC Concentration* _____ ppmv as hexane

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

Name of Landfill Gas Recovery (gas to energy or other use) Facility: _____

* 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: _____

Type of Flare: Opened Flare _____ Enclosed Flare _____

Please report units in cubic feet

Quantity of Gas Collected and Flared Annually _____ cubic feet

Flare Hours of Operation per Year _____ hours/year

Methane Percentage in Landfill Gas before flaring _____ %

Methane Destruction efficiency _____ %

Candlestick Flares:

Number of Candlestick Flares _____

Estimate of Gas Flared Candlestick Flare _____ cubic feet

Gas To Energy

Number of Internal Combustion Engines: _____

Please report units in cubic feet

Quantity of Gas collected for Internal Combustion Engine Annually _____ cubic feet

Methane Destruction efficiency _____ %

Methane Percentage in Landfill Gas before combustion _____ %

Utility Company Receiving Electricity _____

Gas Processed for Use (Other than gas to electricity)

Quantity of Gas Collected for Processing _____ cubic feet

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 shut downs: _____ Yes _____ No

If yes, indicate reasons for shut downs. List required submissions that have been attached to this form or the reasons for not attaching a required piece of information:

Year landfill opened: _____ Anticipated landfill closure date: _____

Reprinted (12/17)

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:

On-Site provided a tabulated compilation of the condensate quality data, as well as information required in Sections 3, 4, 11 and 15 through 20. Attachment 2 includes that 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	72,798,545	N/A	3,424,000	N/A	Commingled	738
February	65,196,901	N/A	3,132,000	N/A	With	670
March	73,277,091	N/A	3,418,000	N/A	Leachate	736
April	70,826,234	N/A	3,346,000	N/A		709
May	73,619,967	N/A	3,272,000	N/A		728
June	64,062,386	N/A	3,317,000	N/A		718
July	82,238,994	N/A	3,390,000	N/A		737
August	92,330,451	N/A	3,424,000	N/A		743
September	88,100,484	N/A	3,245,000	N/A		695
October	77,007,214	N/A	3,344,000	N/A		740
November	74,388,846	N/A	3,148,000	N/A		712
December	75,760,422	N/A	3,319,000	N/A		743
ANNUAL TOTAL	909,607,535	N/A	39,779,000	N/A		8,669

* Provide where applicable.

Normal Weekdays of Operation 7 Normal Hours of Operation 24

Electricity Generated and used/marketed offsite 38,077,153 KWH

Electricity Generated and used onsite 1,701,847 KWH

Gas Processed and used/marketed offsite 0 cubic feet

Gas Processed and used onsite 0 cubic feet

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

Condensate generated in the horizontal gas collectors drains back into the landfill cell's leachate collection system where it commingles with leachate. Leachate and concentrate are then pumped via pipe to a lined holding pond. Condensate generated by the landfill gas collection system and the LFTGE Plant is removed by a series of knockout tanks that discharge via pipe to the lined holding pond. Liquid that collects in the holding pond is removed into a tanker truck and hauled to a waste treatment facility.

SECTION 12 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS

Are there required cost estimates and financial assurance documents for closure and post-closure care?

Yes No If yes, attach additional sheets reflecting annual adjustments for inflation and any changes to the Closure Plan?

See Attachment 5

SECTION 13 – PROBLEMS

Were any problems encountered during the reporting period (e.g., specific occurrences which have led to changes in facility procedures)?

Yes No If yes, attach additional sheets identifying each problem and the methods for resolution of the problem.

SECTION 14 – CHANGES

Were there any changes from approved reports, plans, specifications, and permit conditions?

Yes No If yes, attach additional sheets identifying changes with a justification for each change.

SECTION 15 - 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:

SECTION 16 - 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:

SECTION 17 - 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:

SECTION 18 - 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:

SECTION 19 - SUMMARIES OF MONITORING DATA

Submit (attached to this form) a summary of the water quality information presented in Sections 16 and 17 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:

SECTION 20 - SURFACE IMPOUNDMENTS

Does this landfill have a surface impoundment?

- Yes No If yes, repeat Sections 15 through 18 above for Quarterly Reports and Section 19 above for Annual report. Attach additional submissions required by this section.

SECTION 21 - PERMIT/CONSENT ORDER REPORTING REQUIREMENTS

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

- Yes No If yes, attach additional sheets identifying the reporting requirements with their respective responses.

See Attachment 6

SECTION 22 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit the completed form by email or mail to the appropriate Regional Office (See attachment for Regional Office email & mailing 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: SWMFannualreport@dec.ny.gov**

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

2/28/18

Date

Lance Stevens

Name (Print or Type)

Environmental Manager

Title (Print or Type)

lance.stevens@casella.com

Email (Print or Type)

6653 Herdman Road

Address

Angelica

City

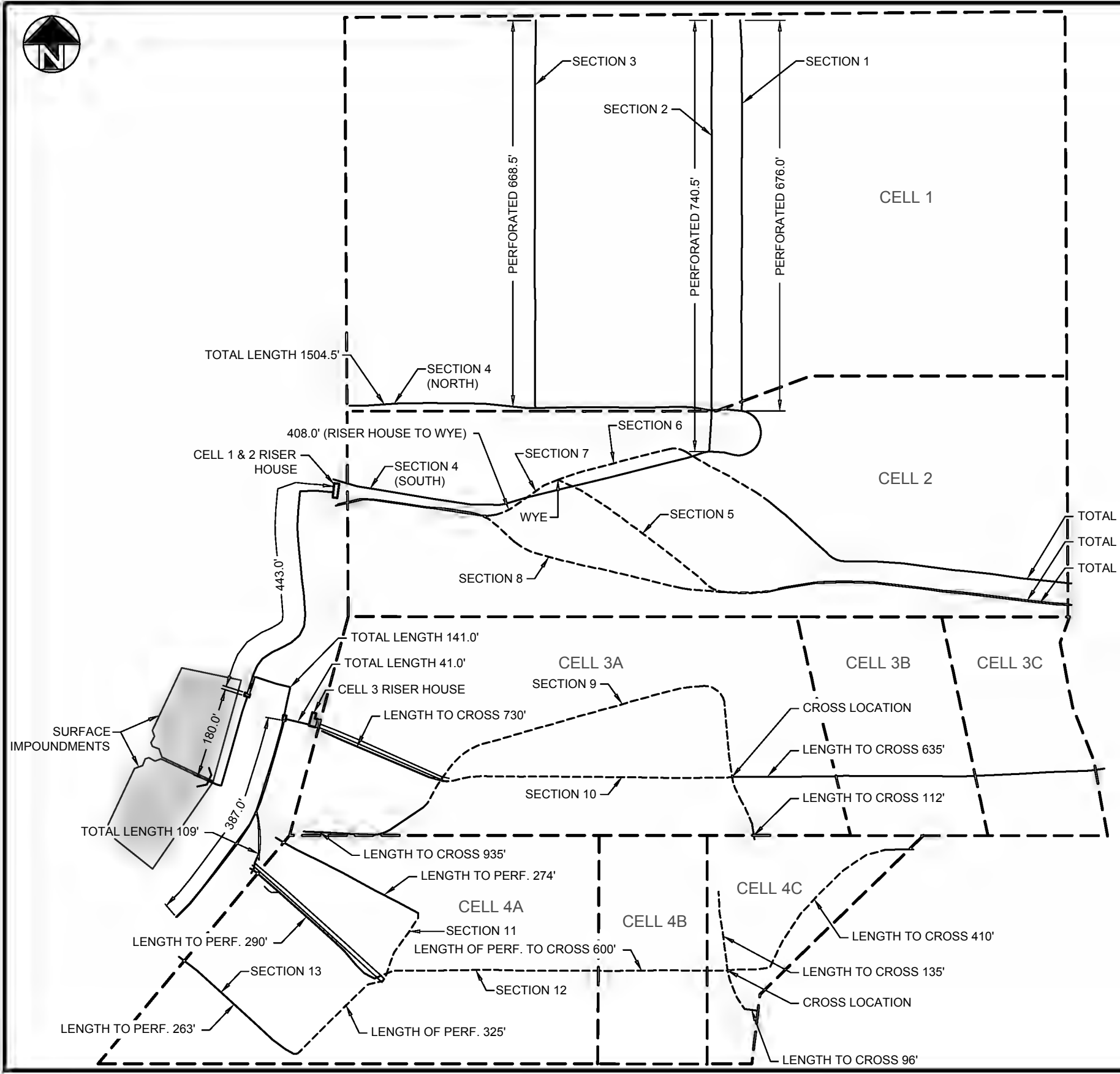
NY 14709

State and Zip

814 335 5183
() - _____
Phone Number

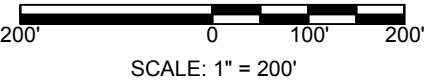
ATTACHMENTS: YES NO
(Please check appropriate line)

ATTACHMENT 1 – Leachate Line Cleaning



LEGEND	
	CELL BOUNDARY
	SOLID LEACHATE PIPE
	PERFORATED LEACHATE PIPE

- NOTE:
 1. Leachate piping adapted from the following drawings prepared by B&R Surveying, P.L.L.C.
- "Cell 3A Primary Leachate Collection System Record Plan dated" December 10, 2007
 - "Leachate Transfer System Record Plans" dated January 7, 2008
 - "Primary Leachate Collection Pipe Length Map" dated May 8, 2005
 - "Cell 3C Primary Leachate Collection Stone Record Plan" dated August 21, 2010.
 - "Cell 4A Exterior Leachate, Gas Collection and Conduit Record Plan" dated January 17, 2012.
 - "Cell 4A Primary Leachate Collection System Record Plan" dated January 12, 2012.
 - "Cell 4B Primary Leachate Collection System Record Plan" dated October 17, 2012.
 - "Cell 4C Primary Leachate Collection System Record Plan" dated November 10, 2014.



NOTE:
 UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN, OR REPORT IS A VIOLATION OF SECTION 7209 PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

McMahon & Mann
 Consulting Engineers, P.C.
 2085 MANN STREET, SUITE 402
 BUFFALO, NY 14214
 (716) 834-8932
 FAX: (716) 834-8934

HYLAND FACILITY
 ALLEGANY COUNTY
 NEW YORK

LEACHATE PIPING LENGTH
 FIGURE 1
 DWG. NO. 93002-651

ATTACHMENT 2 – Annual/Fourth Quarter 2017 Environmental Monitoring Report

Prepared For:
Hyland Facility Associates
6653 Herdman Road
Angelica, New York

Fourth Quarter/Annual 2017 Environmental Monitoring Report

Prepared by:
On-Site Technical Services, Inc.
72 Railroad Avenue
Wellsville, New York

February 2018

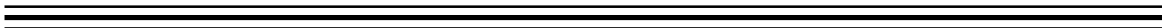


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- Table 3 – Fourth Quarter 2017 Bedrock Analytical Results
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Appendix B – Laboratory Analytical Reports

1.0 OVERVIEW (NYSDEC SECTION 19 – SUMMARY OF MONITORING DATA)

This report is intended to satisfy the environmental monitoring portion of sections 3, 4, 11, and 15, through 20 of the New York State Department of Environmental Conservation (NYSDEC) Active Municipal Solid Waste Landfill annual report form, and is organized as follows.

- Section 2 - Primary Leachate (NYSDEC Section 3)
- Section 3 - Secondary Leachate (NYSDEC Section 4)
- Section 4 - Results of Condensate Sampling (NYSDEC Section 11)
- Section 5 - Analytical Results (NYSDEC Section 15)
- Section 6 - Comparing Data (NYSDEC Sections 16)
- Section 7 - Discussion of Results (NYSDEC Sections 17)
- Section 8 - Surface Impoundments (NYSDEC Section 20)
- Section 9 - Data Quality Assessment (NYSDEC Section 18)

Environmental monitoring is conducted in accordance with the *Hyland Facility Associates Landfill Expansion Operation and Maintenance Manual Appendix B Environmental Monitoring Plan*, dated December 2013 (EMP),

1.1 Summary of 2017 Monitoring Results

The table below summarizes the 2017 sampling events.

Quarter	Month Sampled	Analysis ¹	Condensate Sampling	Leachate Sampling
1st	February	Note 2	NR	Expanded ⁵
2nd	May	Routine ⁴	NR	NR
3rd	August	Baseline ³	Baseline	Expanded ⁵
4th	November	Routine ⁴	NR	NR

1 - Typically includes sampling and analysis of monitoring wells, groundwater suppression systems, surface water and sediment samples. Fourth quarter includes routine analysis of residential water supplies.

2 - Includes routine sampling and analysis of groundwater suppression systems. Surface water, sediment and operational monitoring wells not required during first quarter

3 - 6 NYCRR Part 360 Baseline Parameter List Analysis (baseline parameters)

4 - 6 NYCRR Part 360 Routine Parameter List Analysis (routine parameters)

5 - 6 NYCRR Part 360 Expanded Parameter List Analysis (expanded parameters)

NR - Not required

First Quarter 2017

In accordance with the approved Environmental Monitoring Plan (EMP), first quarter sampling was conducted for routine parameters at groundwater suppression systems and expanded parameters at primary leachate and secondary leachate locations.

During first quarter 2017 Groundwater Suppression samples GSS-1, GSS-2E/F, GSS-2G/H, GSS-3 and GSS-4 samples were collected between February 6 and 9, 2017. First quarter groundwater suppression system results are consistent with historic data and ambient groundwater quality. Primary and secondary leachate samples were collected between February 6 and 8, 2017. Primary and secondary leachate results are further discussed in Section 2.

Second Quarter 2017

Second quarter 2017 routine sampling and analysis was conducted as required with the following notable items. Monitoring wells MW-43, MW-43A and MW-44AR, as well as surface water/sediment locations East Ditch, West Ditch and DB-2 were not sampled due to either dry conditions or insufficient water. The other scheduled sampling of groundwater, groundwater suppression systems and surface water was completed with the results generally consistent with historic results.

Cell 4 groundwater monitoring wells MW-43, MW-43A and MW-44AR were properly decommissioned in June 2017 to facilitate Cell 5 construction. Documentation of the well decommissioning has been provided to NYSDEC under separate cover.

Third Quarter 2017

Third quarter monitoring activities were completed in August 2017. Baseline parameter sampling and analysis of groundwater, groundwater suppression systems, surface water, condensate and expanded parameter sampling and analysis of primary and secondary leachate was conducted. Items of note are discussed below.

- Surface water / sediment locations East Perimeter Ditch, West Ditch, DB-1, DB-2 and DB-3 were not sampled due to dry conditions.
- Surface water location TBC-4 was not sampled as it was removed associated with Cell 5 construction.
- Groundwater Suppression System locations GSS-3 and GSS-4 were not sampled due to inaccessibility caused by Cell 5 construction.
- Scheduled semiannual expanded parameter sampling and analysis conducted at primary and secondary occurred on August 8, 2017 with results discussed in Section 2.
- Third quarter 2017 analytical results are generally consistent with historic results.

Fourth Quarter 2017

The fourth quarter 2017 sampling event included routine parameters sampling and analysis of groundwater, surface water, groundwater suppression systems and four residential water supply locations. Surface water / sediment locations East Perimeter Ditch, West Ditch and DB-1 were not sampled due to insufficient water present. Fourth quarter 2017 results are consistent with historic results. Details of the fourth quarter 2017 monitoring results are presented in Sections 5.0 through 9.0.

2.0 PRIMARY LEACHATE (NYSDEC SECTION 3)

In accordance with the EMP, primary leachate sampling at location PLCS (formerly leachate holding tank and now leachate surface impoundments) is required semi-annually.

Primary leachate samples from the first and third quarters 2017 exhibited analytical results typical of historic site leachate. Analytical results for the primary leachate collection system samples from the last three leachate samplings are presented in Table 1. 2017 primary leachate organic detections are shown in the table below.

Parameter	2/7/2017	8/16/2017
1,4-Dichlorobenzene	0.0022 J	
2,4,5-Trichlorophenol	0.0026	
2,4-Dimethylphenol		0.012 J
2-Butanone (MEK)	0.23 J	
2-Methylnaphthalene	0.004 J	
2-Methylphenol	0.014	0.016 J
3/4-Methylphenol	0.017	0.022 J
Acenaphthene	0.0034 J	
Acetone	0.18 J	0.17 J
Acetophenone	0.0074 J	0.0048 J
Anthracene	0.002 J	
Aroclor-1232	0.00054 J	
Benzyl alcohol	0.0022 J	
bis(2-Ethylhexyl) phthalate	0.029	0.024 J
Dibenzofuran	0.0024 J	
Ethyl benzene	0.01 J	0.0068 J
Fluoranthene	0.0017 J	
Fluorene	0.0027 J	
m&p-Xylene	0.012 J	
Naphthalene	0.012	0.0067 J
o-Xylene	0.0083 J	0.0058 J
Phenanthrene	0.0035 J	0.003 J
Phenol		0.0065 J
Pyrene	0.0014 J	
Toluene		0.007 J

J – Estimated Value

3.0 SECONDARY LEACHATE (NYSDEC SECTION 4)

In accordance with the facility EMP, secondary leachate collection system sampling is required semi-annually and was conducted during the first and third quarters in 2017. Additionally, required monthly baseline parameter sampling and analysis at Cell 2 E/F secondary system (SLCS-2 E/F) was conducted through April 2017. As approved by NYSDEC in a letter dated April 21, 2017, monthly sampling of SLCS-2 E/F is no longer required. Additionally, a baseline parameter sample was collected at Cell 3 secondary system (SLCS-3) on April 11, 2017. SLCS-2 E/F and SLCS-3 are further discussed below.

SLCS-2 E/F analytical results continue to indicate elevated concentrations of several analytes, indicative of primary leachate influence. However, SLCS-2 E/F flow rates continued to remain low, indicating any primary leachate influence is minimal.

SLCS-3 first quarter 2017 sample results show several elevated analytes indicative of primary leachate influence. Additionally, SLCS-3 flow rates exceeded the Action Leakage Rate (ALR) on April 7, 2017. NYSDEC was immediately verbally notified followed by written notification on April 12, 2017. An investigation into the cause pursued, which included:

- 1) excavation of a leachate/landfill gas collection line located on Cell 3 western slope; and
- 2) baseline sampling and analysis of SLCS-3 and Cell 3 Groundwater Suppression System (GSS-3).

The liner system was exposed at the Cell 3 western slope and inspected with no damage observed. However after the completion of this exploratory excavation, SLCS-3 flow rates greatly decreased and have remained below the ALR. The April baseline sampling and analysis of SLCS-3 is indicative of primary leachate influence. April baseline sampling and analysis of GSS-3 showed results consistent with typical ambient groundwater quality. Details of the investigation are provide in a letter from Hyland to NYSDEC dated May 19, 2017. In a letter dated August 18, 2017, NYSDEC approves continuation of EMP required semi-annual SLCS-3 sampling and analysis with quarterly baseline sampling and analysis of GSS-3. Additionally, SLCS-3 flow rates are continuing to be closely monitored. SLCS-2 E/F and SLCS-3 2017 monthly flows are presented in the table below.

Month 2017	SLCS-2 E/F Flow (G/A/D)	SLCS-3 Flow (G/A/D)
January	3.2	7
February	3.2	10
March	3.1	15.9
April	0.2	29.7
May	5.5	3.7
June	2.7	2.3
July	2.3	2.6
August	2.2	1.7
September	0.2	1.4
October	0.0	2.3
November	2.0	5.7
December	1.8	3.0

The 2017 secondary leachate organic detections are presented in the tables below.

Parameter (mg/L)	First Quarter 2017 Secondary Organic Detects					
	LP-2S 2/7/2017	SLCS-1 A/B 2/6/2017	SLCS-1 C/D 2/6/2017	SLCS-2 G/H 2/6/2017	SLCS-3 2/8/2017	SLCS-3 4/11/2017
Semi Volatile Organic Compounds						
2,4,5-Trichlorophenol			0.00027 J		0.00038 J	
3/4-Methylphenol					0.011	
Benzo(a)anthracene					0.0014 J	
bis(2-Ethylhexyl) phthalate					0.0097	
Volatile Organic Compounds						
1,1-Dichloroethane			0.00051 J	0.00048 J	0.00035 J	
1,2-Dichloroethane					0.00045 J	
2-Butanone (MEK)						0.048 J
Acetone		0.006 J	0.0055 J	0.0098 J	0.013	0.052 J
Benzene			0.0013 J	0.0012 J	0.0027 J	
Carbon disulfide					0.00032 J	
Chloroethane					0.00029 J	
Chloromethane				0.0006 J		
cis-1,2-Dichloroethene			0.00047 J	0.0011 J	0.00078 J	
Dichloromethane (Methylene chloride)	0.00088 J					
Ethyl benzene					0.00022 J	
Vinyl chloride					0.00077 J	

J – low level estimated concentration

Parameter (mg/L)	Third Quarter 2017 Secondary Organic Detects						
	LP-1S 8/17/2017	LP-2S 8/17/2017	SLCS-1 A/B 8/16/2017	SLCS-1 C/D 8/16/2017	SLCS-2 G/H 8/16/2017	SLCS-3 8/17/2017	SLCS-4 8/17/2017
Pesticides							
beta-BHC	0.000044 J		0.000091	0.000068			0.000023 J
Semi Volatile Organic Compounds							
bis(2-Ethylhexyl) phthalate	0.0015 J	0.0019 J	0.0056 BJ	0.0098 B	0.0061 BJ	0.0043 J	0.016
Volatile Organic Compounds							
1,1-Dichloroethane					0.0005 J		
Acetone	0.0018 J	0.0019 J	0.0026 J		0.0015 J	0.02 J	0.0016 J
Benzene					0.0015 J		0.00026 J
Chloroform						0.0043 J	
cis-1,2-Dichloroethene					0.0013 J		

Parameter (mg/L)	SLCS-2E/F Monthly/Quarterly Organic Detects			
	SLCS-2 E/F 1/19/2017	SLCS-2 E/F 2/6/2017	SLCS-2 E/F 3/23/2017	SLCS-2 E/F 8/16/2017
Semi Volatile Organic Compounds				
2,4,5-Trichlorophenol		0.007		
2-Methylnaphthalene		0.0015 J		
2-Methylphenol		0.0023 J		
3/4-Methylphenol		0.0052 J		
Acetophenone				0.0031 J
Anthracene		0.0011 J		
bis(2-Ethylhexyl) phthalate				0.0035 BJ
o-Toluidine		0.0022 J		
Volatile Organic Compounds				
Acetone	0.07 J		0.076 J	
Chloroform				0.018 J
Tetrachloroethene	0.015 J			

J/BJ – Estimated value

Many of the secondary leachate organic compounds detections are low-level estimated concentrations below Class GA Standards. Also, the majority of the reported values are estimated values between the laboratory reporting limits and method detection limits. The continued low-level detection of these organic compounds is likely associated with sampling and analysis artifacts. The precision of laboratory equipment is such that these very low levels of compounds can be observed, but the origin of the compounds is not known.

Analytical results from the secondary leachate collection system samples from the last three leachate sampling events are presented in Table 1. With the exception of SLCS-2 E/F and SLCS-3, discussed above, 2017 secondary leachate results are consistent with historic results and indicative of properly functioning secondary leachate systems.

4.0 RESULTS OF CONDENSATE SAMPLING (NYSDEC SECTION 11)

As required by landfill permit condition 57, condensate is required to be sampled and analyzed for baseline parameters quarterly for the first year of operation and annually thereafter. Therefore the current sampling frequency is annual. A landfill gas condensate sample was collected on August 17, 2017 and analyzed for baseline parameters. The sample was collected from the knock-out tank located north of Cell 1 and west of MW-19. The knock-out tank collects condensate from the gas header leading to the electrical cogeneration plant. Condensate results from the last four samplings are presented in Table 2. Third quarter 2017 gas condensate

sample results are consistent with historic results. The detected organic parameters from the third quarter 2017 gas condensate samples are shown in the table below.

Parameter	Result (mg/L)
1,4-Dichlorobenzene	0.022 J
2-Butanone (MEK)	5.6
4-Methyl-2-pentanone	0.19 J
Acetone	4.4
Benzene	0.01 J
Dichloromethane (Methylene chloride)	0.042 J
Ethyl benzene	0.041 J
m&p-Xylene	0.07 J
o-Xylene	0.035 J
Styrene	0.011 J
Toluene	0.077 J

5.0 ANALYTICAL RESULTS (NYSDEC SECTION 15)

The fourth quarter 2017 sampling of groundwater, surface water and groundwater suppression systems, was completed between November 6 and 9, 2017. Sampling was conducted by On-Site and laboratory analysis was performed by ALS Environmental ALS), located in Rochester, New York. Field sampling forms are included as Appendix A. Tables presenting the fourth quarter 2017 field parameters and analytical results are included with the appropriate NYSDEC standards as follows:

- Table 3 – Fourth Quarter 2017 Bedrock Well Analytical Results;
- Table 4 – Fourth Quarter 2017 Overburden Well Analytical Results;
- Table 5 – Fourth Quarter 2017 Surface Water Analytical results; and
- Table 6 – Fourth Quarter 2017 Groundwater Suppression Analytical Results.

The fourth quarter 2017 sampling event included scheduled routine parameter analyses. Monitoring of groundwater, surface water, and groundwater suppression systems, was conducted at the locations and dates listed in the table below. Additionally, groundwater suppression systems GSS-2 E/F and GSS-3 were sampled for baseline parameters. Please see Figure 1 for sampling locations.

Bedrock Monitoring Wells	
MW-14	11/6-11/7/2017
MW-19	11/8/2017
MW-31	11/8/2017
MW-34	11/7/2017
MW-37	11/8/2017

Groundwater Suppression System	
GSS-1	11/7/2017
GSS-2 E/F	11/7/2017
GSS-2 G/H	11/7/2017
GSS-3	11/8/2017
GSS-4 ¹	11/7/2017

MW-40	11/8/2017
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GSS-5 ¹	11/7/2017
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Overburden Monitoring Wells	
MW-26	11/6-11/7/2017
MW-36A	11/6-11/8/2017
MW-37A	11/6-11/7/2017
MW-40A ²	11/6/2017
MW-41A	11/6-11/8/2017
MW-42A ²	11/6-11/9/2017
MW-47A	11/8/2017

Surface Water/Sediment	
East Perimeter Ditch ¹	11/9/2017
West Ditch ¹	11/9/2017
DB-1 ¹	11/9/2017
DB-2	11/9/2017
DB-3	11/9/2017

Notes:

1 - Insufficient water present, no sample collected

2 – Only partial routine sample collected due to insufficient water recharge

Prior to commencing groundwater purging and sampling activities, static water levels were measured at 13 monitoring wells that were scheduled for sampling. Static water level measurements and associated groundwater elevations are provided in the table below.

Well	Date Measured	Measuring Point Elevation (ft)	Depth to Water (ft)	Groundwater Elevation (ft)
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Bedrock Wells

MW-14	11/6/2017	1970.41	38.51	1931.90
MW-19	11/8/2017	1937.2	41.31	1895.89
MW-31	11/8/2017	1952.78	12.18	1940.60
MW-34	11/7/2017	1849.27	150.09	1699.18
MW-37	11/8/2017	1885.18	35.59	1849.59
MW-40	11/8/2017	1918.35	46.24	1872.11

Overburden Wells

MW-26	11/6/2017	1946.37	11.9	1934.47
MW-36A	11/6/2017	1938.88	61.63	1877.25
MW-37A	11/6/2017	1885.79	34.28	1851.51
MW-40A	11/6/2017	1922.9	34.50	1888.40
MW-41A	11/6/2017	1916.83	55.67	1861.16
MW-42A	11/6/2017	1916.46	65.49	1850.97
MW-47A	11/8/2017	1890.62	30.06	1860.56

5.1 Perimeter Gas Probe Monitoring

Gas probe monitoring was conducted (as required by the EMP) on November 19, 2017 at 12 gas probes located around the perimeter of Cells 1 through 4 (Figure 1). Monitoring included pressure, methane and depth to water measurements using a GEM 2000 landfill gas meter and a Keck water level meter. Fourth quarter 2017 gas probe monitoring data is presented in the table below.

GAS PROBE	DATE	PRESSURE (IN-H₂O)	METHANE (%)	DTW (FT)
GP-1	11/9/2017	- 000.04	0.0	20.77
GP-2	11/9/2017	- 000.04	0.0	> 29.12
GP-3	11/9/2017	- 000.04	0.0	13.68
GP-4	11/9/2017	- 000.04	0.0	13.24
GP-5	11/9/2017	- 000.04	0.0	30.72
GP-9	11/9/2017	- 000.04	0.0	17.73
GP-10	11/9/2017	- 000.04	0.0	21.19
GP-11	11/9/2017	- 000.04	0.0	4.89
GP-12	11/9/2017	- 000.04	0.0	7.76
GP-13	11/9/2017	- 000.04	0.0	5.55
GP-14	11/9/2017	- 000.04	0.0	13.62
GP-15	11/9/2017	- 000.04	0.0	10.13

Notes:

Monitored by: K. Dye

Meters: GEM 2000, Keck Water Level Meter, GEM background reading is 0.0% throughout event

Weather: 45°F, Partly Sunny, Light Wind

6.0 COMPARING DATA (NYSDEC SECTIONS 16)

The current operational monitoring well network is presented in Figure 1. Site specific Existing Water Quality Values (EWQVs) have been established for the overburden and bedrock water bearing zones using pre-operational water quality data as required in 6 NYCRR Part 360. Starting with the third quarter 2008, EWQVs were revised to include pre-operational water quality data from Cell 3 monitoring wells. The pre-operational water quality dataset used includes analytical results from select Cell 1, 2 and 3 monitoring wells listed in the table below.

Bedrock Wells	Overburden Wells
MW-14	MW-26
MW-19	MW-36A
MW-31	MW-37A
MW-37	MW-38A
MW-38	MW-39A

Bedrock Wells	Overburden Wells
MW-40	MW-40A
	MW-41A
	MW-47A

As defined by 6 NYCRR Part 360, a EWQV is the arithmetic mean for each parameter. These values were calculated by summing the test results of individual parameters for each well and dividing by the number of times a test value was recorded. Standard deviations were also calculated from the same data set. The mean plus three standard deviations was calculated by adding three standard deviations to the calculated arithmetic mean for each parameter detected. The last column in each table lists the NYSDEC Class GA Water Quality Standards (Class GA Standards) included in NYSDEC Water Quality Regulations NYCRR Title 6, Chapter X Parts 700-705.

Two EWQVs are presented in Tables 7 and 8 for pre-operational water quality data values for inorganic parameters. The first value displayed is compared with operational metals data for samples having turbidity values less than 50 NTU. The second value displayed is compared with samples that have turbidities greater than 50 NTU.

Please see Tables 7 and 8 for a comparison of groundwater results to EWQVs and Class GA Standards. Table 9 provides surface water data for the last five quarters. Table 10 provides groundwater suppression system data for the last five quarters. A discussion of results is provided in Section 7.0 below.

7.0 DISCUSSION OF RESULTS (NYSDEC SECTIONS 17)

This section includes a narrative pertaining to results greater than EWQVs and/or NYSDEC water quality standards, significant changes in water quality and a general discussion of results.

7.1 Bedrock Wells

Fourth Quarter 2017 routine parameter analyses of bedrock monitoring well groundwater samples are consistent with historic data and generally representative of ambient water quality. Fourth quarter 2017 bedrock well results are compared to EWQVs and Class GA Standards below.

- At upgradient well MW-14, results are within EWQVs and Class GA Standards.
- Upgradient well MW-19 shows Sodium at 14.0 mg/L; which exceeds the EWQV plus three standard deviations, but remains below Class GA Standard. The remaining results are within EWQVs and Class GA Standards.
- Upgradient well MW-31 exhibits Field pH at 6.59, Chloride at 31.7 mg/L, Nitrate Nitrogen at 1.3 mg/L and Sulfate at 142 mg/L. These results exceed EWQVs plus three standard deviations, but remains within Class GA Standards. The remaining results are within EWQVs and Class GA Standards.

- Downgradient well MW-34 sampling results show Sodium at 74.7 mg/L, exceeding Class GA Standard and EWQV plus three standard deviations. Remaining results are within EWQVs and Class GA Standards.
- At downgradient well MW-37, results are within EWQVs and Class GA Standards.

7.2 Overburden Wells

Fourth quarter 2017 routine parameter analyses of groundwater from wells screened in overburden are consistent with historic data. Fourth quarter overburden wells analytical results are compared to EWQVs and Class GA Standards below.

- Upgradient well MW-26 exhibited Turbidity at 10.8 NTU, Sodium at 57.3 mg/L, Total Dissolved Solids (TDS) at 734 mg/L and Total Phenolics at 0.0021 J mg/L. These results are above Class GA Standards, but below EWQVs. Chemical Oxygen Demand (COD) and Chloride at a concentrations of 20 mg/L and 96.6 mg/L, respectively, exceed EWQV plus three standard deviations, but remain below Class GA Standards. The remaining results are below EWQVs and Class GA Standards.
- Upgradient well MW-36A exhibited Turbidity at 9.83 NTU exceeding Class GA Standards, but below EWQVs. Sodium at 84.2 mg/L, Sulfate at 1890 mg/L, and TDS at 2980 mg/L exceed Class GA Standards and the EWQVs. Fourth quarter MW-36A results are consistent with historic data.
- Downgradient well MW-37A historically consistent results show Turbidity at 9.8 NTU, Iron at 0.31 mg/L, Sodium at 43.8 mg/L, Sulfate at 628 mg/L and TDS at 1240 mg/L. These results exceed Class GA Standards, but are below EWQVs.
- Downgradient well MW-47A exhibited fourth quarter results consistent with historic data showing Iron at 1.5 mg/L, Sodium at 50.6 mg/L, Sulfate at 728 mg/L and TDS at 1180 mg/L exceeding Class GA Standards, but below EWQVs. Manganese at 1.19 mg/L exceeds Class GA Standard and the EWQV. The remaining results are below EWQVs and Class GA Standards.

7.3 Surface Water and Sediment

Fourth quarter 2017 surface water and sediment monitoring was conducted November 9, 2017. Surface water samples were collected at DB-2 and DB-3. Sediment was not observed at DB-2 or DB-3, and therefore fourth quarter 2017 sediment sample were not collected. Surface water locations DB-1, East Perimeter Ditch and West Ditch each had insufficient water to allow sampling. Also, Temporary Basin Control 4 (TBC-4) was eliminated prior to the third quarter 2017 monitoring event as part of Cell 5 construction. Fourth quarter 2017 surface water results are below Class C Standards. Fourth quarter 2017 surface water results are present in Table 5 while current and historic results are shown in Table 9.

7.4 Groundwater Suppression System

Fourth quarter groundwater suppression system monitoring was conducted between November 7 and 8, 2017 and included baseline parameter sampling at GSS-2 E/F and GSS-3. Groundwater

suppression systems GSS-1 and GSS-2 G/H were sampled for routine parameters. GSS-4 and newly constructed GSS-5 exhibited no flow and were therefore not sampled.

Fourth quarter sampling results are generally consistent with historic results and are discussed below.

- Fourth quarter 2017 GSS-1 results show Turbidity at 123 NTU and Iron at 4.98 mg/L exceeding Class GA Standards. These Turbidity and associated Iron results are slightly elevated as compared to recent historic results. This may be a result of minimal groundwater present at the time of sampling.
- GSS-2 E/F fourth quarter results are consistent with historic results and exceed Class GA Standards for Manganese at 0.817 mg/L. The remaining results are below Class GA Standards.
- GSS-2 G/H fourth quarter results show exceedances of Class GA Standards for Turbidity at 34.9 NTU, Iron at 1.51 mg/L, Manganese at 0.559 mg/L, Sodium at 22.7 mg/L, Sulfate at 493 mg/L and TDS at 1050 mg/L as typical for this location.
- GSS-3 fourth quarter results show Field pH at 4.72 S.U., Turbidity at 35.3 NTU, Iron at 1.38 mg/L, Magnesium at 1.07 mg/L and TDS at 527 mg/L. These results are not within Class GA Standards. Field pH, Turbidity and Iron results are not consistent with historic results. The Field pH is erroneously low and may not be accurate as the laboratory measured the sample pH at 7.27 S.U. Turbidity and Iron are slightly elevated compared to historic results and may be influenced by this groundwater drain being recently relocated associated with Cell 5 construction. The remaining GSS-3 results are below Class GA Standards and consistent with historic data and ambient groundwater quality.

Fourth quarter 2017 groundwater suppression system analytical results are presented in Table 6 and Table 10 presents the current plus historic groundwater suppression system data.

7.5 Residential Sampling

Four residential water supply locations were scheduled for sampling, and were sampled, as part of the fourth quarter 2017 monitoring event. Samples for routine parameters were collected on November 9, 2017. The Clark-Shay residence sample was collected from an outside spring located east of the house (Clark-1117). The Heath Gordon residence sample (H.Gordon-1117) was collected from a basement spigot. The Ellwin Gordon residence sample (E.Gordon-1117) was collected from the kitchen sink cold water tap. The Gordon Camp sample (Camp-1117) was collected from the outside spigot on the backside of the camp house. Please see Figure 2 for sampling locations. With the exception of Turbidity (5.88 NTU) at Gordon Camp, the 2017 residential water supply results are below Class GA Standards. Please see Table 11 for the 2017 residential water supply analytical results.

8.0 SURFACE IMPOUNDMENTS (NYSDEC SECTION 20)

This section includes a narrative pertaining to results greater than EWQVs and/or NYSDEC water quality standards, significant changes in water quality and a general discussion of results for monitoring wells that surround the leachate surface impoundments. Monitoring wells MW-40, MW-40A, MW-41A and MW-42A surround the impoundments and are designed to monitor groundwater in the immediate area. Fourth quarter 2017 surface impoundment monitoring well results are consistent with historic results with additional discussion provided below.

- With the exception of Turbidity at 13.5 NTU and Iron at 0.51 mg/L, upgradient bedrock well MW-40 results are below EWQVs and Class GA Standards.
- At upgradient overburden well MW-40A, the GA Standard and EWQV are exceeded by Turbidity at 246 NTU. Minimal groundwater present at this well resulted in elevated turbidity and collection of only a partial routine sample set.
- At downgradient overburden well MW-41A, the EWQVs and Class GA Standards are exceeded by Sodium at 119 mg/L, Sulfate at 2390 mg/L and TDS at 3500 mg/L. The remaining results are below EWQVs and Class GA Standards.
- Due to minimal groundwater at downgradient overburden well MW-42A, only a partial routine parameter sample could be collected during the fourth quarter 2017. MW-42A results are compared to interim intra-well EWQVs on Table 8A and site wide EWQVs in Table 8B. Turbidity at 21.9 NTU, Sulfate at 2060 mg/L and TDS at 3280 mg/L exceed Class GA Standards. MW-42A analytical results appear to slowly be decreasing over time; becoming more comparable to site wide groundwater quality. If this trend continues, it will be appropriate to discontinue the MW-42A interim EWQV comparison and resume the Site wide EWQV comparison. This trend will continue to be evaluated.

9.0 DATA QUALITY ASSESSMENT (NYSDEC SECTION 18)

The fourth quarter 2017 sampling event included routine parameter sampling and analysis for groundwater, surface water and groundwater suppression systems and baseline sampling and analysis of GSS-2 E/F and GSS-3. Samples were received by the laboratory in good condition within one day of sampling and within temperature requirements. Samples were analyzed within appropriate hold times and the laboratory reported no significant anomalies during analyses. Additional data quality control information is provided in the laboratory analytical reports located in Appendix B.

Duplicate Samples

A field duplicate sample was collected from monitoring well MW-34, labeled DUP1-1117 and analyzed by the laboratory for routine parameters. Results from MW-34 and the associated duplicate sample compare favorably indicating good sampling and analysis precision. Results are presented in Table 12.

Equipment Blank Sample

One field equipment rinsate blank sample was collected by pumping laboratory provided deionized water through the sampling pump and tubing. Sample EB1-1117 was collected from the bladder pump and tubing used to sample MW-40 and MW-47A. EB1 was analyzed for routine parameters showing primarily non-detect results typical of deionized water. Equipment rinsate blank results are presented in Table 13.

Data Validation / Data Usability

Third party data validation was not required during the fourth quarter 2017 routine sampling event. Internal data validation was completed by ALS and is provided with the analytical reports included in Appendix B. The results presented in this report should be considered technically correct and usable.

Tables

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Primary Leachate Collection System			Leachate Ponds Secondary Leachate Collection Systems						Cell 1 A/B Secondary Leachate Collection			Cell 1 C/D Secondary Leachate Collection		
	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						

Field Parameters

Field pH (std. units)	8.19	8.08	8.1	7.06	7.07	7.06	7.16	7.19	7.21	6.82	6.87	6.8	6.86	6.72	6.98
ORP (mV)	15.8	39.4	0.1	-79.6	27.2	-78.8	57.6	141	80.5	170.9	120.8	88.7	156.5	-39.4	124.9
Specific Conductivity (us/cm)	21439	16413	19593	799	766	1054	816	1010	848	987	897	870	1090	962	1036
Temperature (deg. C)	22.5	6.4	23.8	20.9	8.3	21	22.7	8.9	19.1	30.7	28	31.7	30.9	22.3	31.7
Turbidity (NTU)	52.8	49.6	50.6	0.75	2	1.38	4.22	8.46	9.15	3.04	2.92	2.05	1.33	1.37	0.78

Inorganic Compounds

Aluminum	0.982	0.681	1	0.0092 U	0.0281 J	0.1 U	0.0956 J	0.0764 J	0.263	0.0092 U	0.0262 J	0.1 U	0.0092 U	0.0241 J	0.1 U
Antimony	0.022 J	0.0066 J	0.0132 J	0.005 U	0.06 U	0.06 U	0.005 U	0.06 U	0.06 U	0.005 U	0.06 U	0.06 U	0.005 U	0.06 U	0.06 U
Arsenic	0.194	0.0999	0.173	0.0049 U	0.01 U	0.01 U	0.0049 U	0.01 U	0.01 U	0.0049 U	0.01 U	0.01 U	0.0049 U	0.0053 J	0.01 U
Barium	1.06	0.712	0.991	0.12	0.113	0.176	0.155	0.171	0.176	0.0501	0.124	0.0647	0.0585	0.107	0.0365
Beryllium	0.0002 J	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U
Boron	27.2	24.5	28.4	0.123 J	0.0708 J	0.2 U	0.095 J	0.529	0.33	0.0445 J	0.0363 J	0.2 U	0.0835 J	0.0651 J	0.079 J
Cadmium	0.0006 J	0.0002 J	0.005 U	0.000196 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U
Calcium	87	99.5	94.6	115	110	179	125	116	122	165	154	163	166	154	175
Chromium	0.469	0.262	0.497	0.00027 U	0.01 U	0.01 U	0.0023 J	0.0037 J	0.0037 J	0.00027 U	0.0003 J	0.01 U	0.00027 U	0.001 J	0.01 U
Chromium, hexavalent	0.1 U	0.05 U	0.4 U	0.01 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Cobalt	0.049 J	0.0275 J	0.0484 J	0.0011 U	0.05 U	0.05 U	0.0011 U	0.0015 J	0.05 U	0.0011 U	0.05 U	0.05 U	0.0011 U	0.05 U	0.05 U
Copper	0.0367	0.0215	0.0489	0.001 J	0.0046 J	0.02 U	0.0042 J	0.0293	0.0126 J	0.0241	0.011 J	0.0175 J	0.0032 J	0.0014 J	0.02 U
Iron	5.74	3.31	5.43	1.24	0.657	2.04	0.228	0.353	0.525	0.311	0.176	0.264	0.146	1.55	0.0861 J
Lead	0.0153 J	0.0098 J	0.0213 J	0.0021 U	0.05 U	0.05 U	0.0021 U	0.05 U	0.05 U	0.0021 U	0.05 U	0.05 U	0.0021 U	0.05 U	0.05 U
Magnesium	162	97	136	31.7	35.5	61.2	31.8	36	33.8	37.6	35.6	36	51.4	41	48.4
Manganese	0.328	0.219	0.267	1.46	1.55	1.78	0.0406	0.678	0.319	0.0676	0.0099 J	0.384	0.0117	1.75	0.01 U
Mercury	0.00004 UN	0.0002 U	0.0002 U	0.00004 UN	0.0002 U	0.0002 U	0.00004 U	0.0002 U	0.0002 U	0.00004 UN	0.0002 U	0.0002 U	0.000049 NJ	0.0002 U	0.0002 U
Nickel	0.345	0.18	0.376	0.0011 U	0.04 U	0.0097 J	0.0015 J	0.0336 J	0.0138 J	0.0011 U	0.04 U	0.04 U	0.0011 U	0.04 U	0.04 U
Potassium	775	655	682	4.26	3.41	4.59	3.32	13.2	7.08	3.83	2.99	3.24	4.71	4.14	4.48
Selenium	0.0033 U	0.01 U	0.01 U	0.0043 J	0.01 U	0.01 U	0.0033 U	0.01 U	0.01 U	0.0033 U	0.01 U	0.01 U	0.0033 U	0.01 U	0.01 U
Silver	0.0005 J	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U
Sodium	3200	2710	2550	18.2	16.6	16.2	10.5	63	41.3	17.1	11.5	11.8	19.4	14.8	17.2
Thallium	0.0021 U	0.01 U	0.01 U	0.0021 U	0.01 U	0.01 U	0.0021 U	0.01 U	0.01 U	0.0042 J	0.0026 J	0.01 U	0.0025 J	0.0035 J	0.01 U
Tin	0.136 J	0.0672 J	0.124 J	0.0094 U	0.5 U	0.5 U	0.0094 U	0.5 U	0.5 U	0.0094 U	0.5 U	0.5 U	0.0094 U	0.5 U	0.5 U
Vanadium	0.0761	0.0427 J	0.0699	0.000909 U	0.05 U	0.05 U	0.000909 U	0.05 U	0.05 U	0.000909 U	0.05 U	0.05 U	0.000909 U	0.05 U	0.05 U
Zinc	0.458	0.14	0.219	0.0017 U	0.0031 J	0.02 U	0.017 J	0.035	0.0205	0.0033 J	0.0034 J	0.02 U	0.0029 J	0.0024 J	0.02 U

PCBs

Aroclor-1016	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1221	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Aroclor-1232	0.00094 U	0.00054 J	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1242	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1248	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1254	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1260	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Primary Leachate Collection System			Leachate Ponds Secondary Leachate Collection Systems						Cell 1 A/B Secondary Leachate Collection			Cell 1 C/D Secondary Leachate Collection		
	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						
Pesticides & Herbicides															
4,4'-DDD	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
4,4'-DDE	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
4,4'-DDT	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Aldrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
alpha-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
alpha-Chlordane	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
beta-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000044 J	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000091	0.000047 U	0.000047 U	0.000068	
Chlorobenzilate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
delta-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Dieldrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Dinoseb	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.001 U	0.00047 U	0.0005 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U
Endosulfan I	0.0004	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endosulfan II	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endosulfan sulfate	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endrin aldehyde	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
gamma-BHC (Lindane)	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
gamma-Chlordane	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Heptachlor	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Heptachlor epoxide	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Methoxychlor	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Methyl parathion	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Parathion	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Toxaphene	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U
2,4,5-T	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.001 U	0.00047 U	0.0005 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U
2,4,5-TP			0.0005 U			0.0005 U			0.0005 U			0.0005 U			0.0005 U
2,4-D	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.001 U	0.00047 U	0.0005 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U
Semivolatile Organic Compounds															
1,2,4,5-Tetrachlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,2,4-Trichlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3,5-Trinitrobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3-Dinitrobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,4-Naphthoquinone	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
1,4-Phenylenediamine	0.094 UX	0.047 UX	0.14 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX
1-Naphthylamine	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2,3,4,6-Tetrachlorophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4,5-Trichlorophenol	0.0013	0.0026	0.028 U	0.00047 U	0.00047 U	0.0094 U	0.001 U	0.00047 U	0.0094 U	0.00047 U	0.0005 U	0.0094 U	0.00047 U	0.00027 J	0.0094 U
2,4,6-Trichlorophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dichlorophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dimethylphenol	0.019 U	0.0094 U	0.012 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dinitrophenol	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2,4-Dinitrotoluene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,6-Dichlorophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,6-Dinitrotoluene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Acetylaminofluorene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Chloronaphthalene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Primary Leachate Collection System			Leachate Ponds Secondary Leachate Collection Systems						Cell 1 A/B Secondary Leachate Collection			Cell 1 C/D Secondary Leachate Collection		
	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						
Semivolatile Organic Compounds (con't)															
2-Chlorophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methyl-5-nitroaniline	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methylnaphthalene	0.0031 J	0.004 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methylphenol	0.018 J	0.014	0.016 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Naphthylamine	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2-Nitroaniline	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2-Nitrophenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3,3-Dichlorobenzidine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3,3-Dimethylbenzidine	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
3/4-Methylphenol	0.046	0.017	0.022 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3-Methylcholanthrene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3-Nitroaniline	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,6-Dinitro-2-methylphenol	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Aminobiphenyl	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Bromophenyl-phenylether	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chloro-3-methylphenol	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chloroaniline	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chlorophenyl-phenylether	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Nitroaniline	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Nitrophenol	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
7,12-Dimethylbenz(a)anthracene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acenaphthene	0.019 U	0.0034 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acenaphthylene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acetophenone	0.0057 J	0.0074 J	0.0048 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Anthracene	0.002 J	0.002 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(a)anthracene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(a)pyrene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(b)fluoranthene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(g,h,i)perylene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(k)fluoranthene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzyl alcohol	0.0034 J	0.0022 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Bis(1-chloroisopropyl) Ether	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Chloroethoxy) methane	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Chloroethyl) ether	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Ethylhexyl) phthalate	0.026	0.029	0.024 J	0.0094 U	0.0094 U	0.0015 J	0.0094 U	0.0094 U	0.0019 J	0.0094 U	0.0094 U	0.0056 BJ	0.0094 U	0.0094 U	0.0098 B
Butylbenzylphthalate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Chrysene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diallate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dibenzo(a,h)anthracene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dibenzofuran	0.019 U	0.0024 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diethylphthalate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dimethoate	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dimethylphthalate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Di-n-butylphthalate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Di-n-octylphthalate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diphenylamine	0.019 UX	0.0094 UX	0.028 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Primary Leachate Collection System			Leachate Ponds Secondary Leachate Collection Systems						Cell 1 A/B Secondary Leachate Collection			Cell 1 C/D Secondary Leachate Collection		
	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						
Semivolatile Organic Compounds (con't)															
Disulfoton	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Ethyl methanesulfonate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Famphur	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Fluoranthene	0.019 U	0.0017 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Fluorene	0.019 U	0.0027 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorobutadiene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorocyclopentadiene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachloroethane	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachloropropene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Indeno(1,2,3-cd)pyrene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isodrin	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isophorone	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isosafrole	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Kepone	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U
Methapyrilene	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methyl methanesulfonate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Naphthalene	0.01 J	0.012	0.0067 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Nitrobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodibutylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodiethylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodimethylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodi-n-propylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodiphenylamine/Diphenylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosomethylethylamine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosopiperidine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosopyrrolidine	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
o,o,o-Triethyl phosphorothioate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
o-Toluidine	0.0064 J	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
p-(Dimethylamino)azobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachloronitrobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachlorophenol	0.094 U	0.047 U	0.14 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Phenacetin	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Phenanthrene	0.0028 J	0.0035 J	0.003 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Phorate	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pronamide	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pyrene	0.019 U	0.0014 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Safrole	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Thionazin	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U

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	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00051 J	0.005 U
1,1-Dichloroethene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloropropene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,2-Dichloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,3-Dichlorobenzene	0.019 U	0.0094 U	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3-Dichloropropane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,4-Dichlorobenzene	0.019 U	0.0022 J	0.028 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,2-Dichloropropane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Butanone (MEK)	0.25 U	0.23 J	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	0.04 J	0.18 J	0.17 J	0.1 U	0.01 U	0.0018 J	0.01 U	0.01 U	0.0019 J	0.0014 J	0.006 J	0.0026 J	0.01 U	0.0055 J	0.01 U
Acetonitrile	2.5 U	2.5 U	2.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrolein	2.5 U	2.5 U	2.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	2.5 U	2.5 U	2.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Allyl chloride	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0013 J	0.005 U
Bromochloromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromoform	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon tetrachloride	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00045 J	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00047 J	0.005 U
cis-1,3-Dichloropropene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dichloromethane (Methylene chloride)	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.00088 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl benzene	0.13 U	0.01 J	0.0068 J	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Iodomethane	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Isobutyl alcohol	2.5 U	2.5 U	2.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Primary Leachate Collection System			Leachate Ponds Secondary Leachate Collection Systems						Cell 1 A/B Secondary Leachate Collection			Cell 1 C/D Secondary Leachate Collection		
	8/10/2016	2/7/2017	8/16/2017	North Pond (LP-1S)			South Pond (LP-2S)			8/9/2016	2/6/2017	8/16/2017	8/9/2016	2/6/2017	8/16/2017
				8/10/2016	2/7/2017	8/17/2017	8/11/2017	2/7/2017	8/17/2017						

Volatile Organic Compounds (con't)

m&p-Xylene	0.13 U	0.012 J	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methacrylonitrile	0.5 U	0.5 U	0.5 U	0.2 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methyl methacrylate	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
o-Xylene	0.13 U	0.0083 J	0.0058 J	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Phenol	0.01 J	0.0094 U	0.0065 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Propionitrile	2.5 U	2.5 U	2.5 U	1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Styrene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	0.13 U	0.13 U	0.007 J	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
trans-1,2-Dichloroethene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
trans-1,3-Dichloropropene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
trans-1,4-Dichloro-2-butene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00021 J
Vinyl acetate	0.25 U	0.25 U	0.25 U	0.1 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl chloride	0.13 U	0.13 U	0.13 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Wet Chemistry

Alkalinity	7120	5650	6740	401	413	412	373	358	354	527	488	524	489	520	488
Ammonia Nitrogen	1290	1380	1260	0.421	0.218	0.396	0.05 U	4.98	0.033 J	0.05 U	0.05 U	0.05 U	0.05 U	0.252	0.05 U
Biochemical Oxygen Demand	216	160 *	235	2 U	2.7 *	2 U	2 U	24.7 *	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromide	19.4	14	17.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chemical Oxygen Demand	3720	2440	3010	12.8	17.6	19.4	6.5	40.8	23.3	6.5	9.1	8.8	5 U	13.4	10.1
Chloride	4090	3350	4040	26.9	90.8	11.3	9.9	27.4	45.9	1.9 J	2.3	1.7 J	2.8	2.5	2.9
Color (True) (C.U.)	3000	2500 *	5500	30	35 *	29	10	5 B,*	12	1	1	7	1	5	5
Cyanide	0.05 J	0.02 J,*	0.022 J	0.004 BJ	0.01 U,*	0.01 U	0.002 BJ	0.01 U,*	0.01 U	0.002 BJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hardness	885	648	794	417	422	700	444	438	444	568	532	555	625	553	635
Nitrate Nitrogen	1 U	2.6	1 U	1 U	12.9	1 U	0.7 J	1 U	3.9	0.8 J	1 U	0.6 J	0.6 J	1 U	0.7 J
pH of Color Analysis	8.33	8.26 *	8.14	7.44	7.53 *	7.51	7.521	7.53 *	7.66	7.191	6.81	7.5	7.198	7.77	7.66
Phosphorus	8.8	6.47	10.1												
Sulfate	7.7	17	72.6	12.6	59.3	288	71.4	11.7	40.7	54.6	55.3	46.3	156	72.7	168
Sulfide	5 U	3 BJ	4 U	0.98 U	1 U	0.21 J	1 U,*	1 U	0.19 J	0.12 J	1 U	0.97 U	0.98 U	1 U	0.96 U
Total Dissolved Solids	9900	7880	9750	461	452	814	516	652	580	589	577	576	706	628	716
Total Kjeldahl Nitrogen	1210	1070	1420	0.69	0.62	0.98 B	0.24	5.46	0.89 B	0.29 B	0.12 J	0.43	0.25 B	0.43	0.22
Total Organic Carbon (TOC)	2180	1250	1180	10.1	9.9	6.8	12.3	18.1	6.6	9.1	10.7	2.8	14.1	15.6	6.5
Total Phenolics	2.14	1.65	1.9	0.005 U	0.005 U	0.005 U	0.005 U	0.0069	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0077	0.005 U
Total Suspended Solids	5.3	19.7	4.5	2.6	2.7	5	3.2	3.8	3.8	1.5	1 U	1 U	1 U	2.8	1 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Cell 2 E/F Secondary Leachate Collection			Cell 2 G/H Secondary Leachate Collection System			Cell 3 Secondary Leachate Collection			Cell 4 Secondary Leachate Collection		
	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017

Field Parameters

Field pH (std. units)	7.41	7.74	7.84	6.67	6.55	6.54	6.69	6.81	7.16	6.92	6.7	6.8
ORP (mV)	-205.8	-267.7	88.1	174.2	-16.2	-18.4	-78.7	-31.9	-38	-86.4	16.2	-78.3
Specific Conductivity (us/cm)	14481	16317	12693	1952	1743	1868	1135	2329	4691	1193	890	1007
Temperature (deg. C)	28.1	27.1	30.6	30.9	26.7	29.4	27.8	21.3	29.4	27.2	22.3	26.5
Turbidity (NTU)	225	190	26.9	0.95	0.47	1.3	2.88	14.7	11.9	23.6	12.9	102

Inorganic Compounds

Aluminum	1.01	2.01	0.353	0.0092 U	0.0313 J	0.1 U	0.0153 J	0.108	0.151	0.0092 U	0.551	3.56
Antimony	0.0052 J	0.0091 J	0.0109 J	0.005 U	0.06 U	0.06 U	0.005 U	0.06 U	0.06 U	0.005 U	0.06 U	0.06 U
Arsenic	0.192	0.207	0.082	0.0056 J	0.01 U	0.0092 J	0.0049 U	0.013	0.0396	0.0049 U	0.0159	0.0203
Barium	0.39	0.698	0.371	0.0886	0.11	0.0878	0.215	0.826	0.356	0.381	0.316	0.311
Beryllium	0.0003 J	0.0003 J	0.003 U	0.00012 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U	0.00012 U	0.003 U	0.003 U
Boron	14.7	21.9	15	0.219	0.241	0.267	0.0772 J	1.39	6.27	0.194 J	0.0916 J	0.13 J
Cadmium	0.0008 J	0.0005 J	0.002 J	0.000196 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U
Calcium	247	262	179	270	278	284	142	228	111	169	153	176
Chromium	0.44	0.307	0.24	0.00027 U	0.01 U	0.01 U	0.00027 U	0.013	0.062	0.00027 U	0.01 U	0.01 U
Chromium, hexavalent	0.1 U	0.051	0.2 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.1 U
Cobalt	0.0723	0.06	0.116	0.0011 U	0.05 U	0.05 U	0.0011 U	0.002 J	0.0094 J	0.0011 U	0.05 U	0.05 U
Copper	0.129	0.105	9.92	0.0056 J	0.0013 J	0.02 U	0.0023 J	0.0034 J	0.02 U	0.000619 U	0.0025 J	0.02 U
Iron	9.19	5.81	4.2	11.3	4.44	9.41	1.62	7	6.7	11.1	4.08	10.9
Lead	0.038 J	0.0556	0.119	0.0021 U	0.0021 J	0.05 U	0.0021 U	0.05 U	0.05 U	0.0021 U	0.0024 J	0.05 U
Magnesium	75.1	68.8	76.5	75.7	67.6	82.1	35	65.2	65.2	33	29.2	42.3
Manganese	2.58	2.18	1.57	3.95	3.13	3.79	2.59	2.34	1.19	2.54	2.79	2.84
Mercury	0.00004 U	0.000058 J	0.0002 U	0.00004 UN	0.0002 U	0.0002 U	0.00004 U	0.0002 U	0.0002 U	0.00004 UN	0.0002 U	0.0002 U
Nickel	0.385	0.298	0.428	0.0011 U	0.04 U	0.04 U	0.0011 U	0.0204 J	0.11	0.0011 U	0.04 U	0.0127 J
Potassium	403	718	466	6.48	7.03	7.74	4.05	22.5	126	8.01	5.52	7.27
Selenium	0.0033 U	0.01 U	0.01 U	0.0047 J	0.01 U	0.01 U	0.0033 U	0.01 U	0.01 U	0.0033 U	0.01 U	0.01 U
Silver	0.0021 J	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U	0.000463 U	0.01 U	0.01 U
Sodium	2080	3120	1880	104	98.4	117	64.6	202	508	28.6	15.5	25.2
Thallium	0.0021 U	0.01 U	0.0066 J	0.0045 J	0.0045 J	0.0065 J	0.0021 U	0.006 J	0.01 U	0.0021 U	0.01 U	0.01 U
Tin	0.298 J	0.117 J	0.0553 J	0.0094 U	0.5 U	0.5 U	0.0094 U	0.5 U	0.5 U	0.0094 U	0.5 U	0.5 U
Vanadium	0.187	0.0723	0.0226 J	0.000909 U	0.05 U	0.05 U	0.000909 U	0.0045 J	0.0146 J	0.000909 U	0.0014 J	0.0061 J
Zinc	0.122 E	0.195	0.888	0.0017 U	0.0029 J	0.02 U	0.0024 J	0.0131 J	0.039	0.0034 J	0.0054 J	0.0176 J

PCBs

Aroclor-1016	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1221	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U	0.0019 U
Aroclor-1232	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1242	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1248	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1254	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Aroclor-1260	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Cell 2 E/F Secondary Leachate Collection			Cell 2 G/H Secondary Leachate Collection System			Cell 3 Secondary Leachate Collection			Cell 4 Secondary Leachate Collection		
	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017
Pesticides & Herbicides												
4,4'-DDD	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
4,4'-DDE	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
4,4'-DDT	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Aldrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
alpha-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
alpha-Chlordane	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
beta-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000023 J
Chlorobenzilate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
delta-BHC	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Dieldrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Dinoseb	0.00094 U	0.0024 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.0005 U
Endosulfan I	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endosulfan II	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endosulfan sulfate	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endrin	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Endrin aldehyde	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
gamma-BHC (Lindane)	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
gamma-Chlordane	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Heptachlor	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Heptachlor epoxide	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Methoxychlor	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U	0.000047 U
Methyl parathion	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Parathion	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Toxaphene	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U
2,4,5-T	0.00094 U	0.0024 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.0005 U
2,4,5-TP			0.0005 U			0.0005 U			0.0005 U			0.0005 U
2,4-D	0.00094 U	0.0024 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.00047 U	0.00047 U	0.0005 U	0.0005 U	0.00047 U	0.0005 U
Semivolatile Organic Compounds												
1,2,4,5-Tetrachlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,2,4-Trichlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3,5-Trinitrobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3-Dinitrobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,4-Naphthoquinone	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
1,4-Phenylenediamine	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX	0.047 UX
1-Naphthylamine	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2,3,4,6-Tetrachlorophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4,5-Trichlorophenol	0.00094 U	0.007	0.0094 U	0.00047 U	0.00047 U	0.0094 U	0.00047 U	0.00038 J	0.0094 U	0.0005 U	0.00047 U	0.0094 U
2,4,6-Trichlorophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dichlorophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dimethylphenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,4-Dinitrophenol	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2,4-Dinitrotoluene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,6-Dichlorophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,6-Dinitrotoluene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Acetylaminofluorene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Chloronaphthalene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Cell 2 E/F Secondary Leachate Collection			Cell 2 G/H Secondary Leachate Collection System			Cell 3 Secondary Leachate Collection			Cell 4 Secondary Leachate Collection		
	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017
Semivolatile Organic Compounds (con't)												
2-Chlorophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methyl-5-nitroaniline	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methylnaphthalene	0.0094 U	0.0015 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Methylphenol	0.0094 U	0.0023 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2-Naphthylamine	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2-Nitroaniline	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
2-Nitrophenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3,3-Dichlorobenzidine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3,3-Dimethylbenzidine	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
3/4-Methylphenol	0.0026 J	0.0052 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.011	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3-Methylcholanthrene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
3-Nitroaniline	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4,6-Dinitro-2-methylphenol	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Aminobiphenyl	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Bromophenyl-phenylether	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chloro-3-methylphenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chloroaniline	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Chlorophenyl-phenylether	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
4-Nitroaniline	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
4-Nitrophenol	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
7,12-Dimethylbenz(a)anthracene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acenaphthene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acenaphthylene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Acetophenone	0.0022 J	0.0094 U	0.0031 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Anthracene	0.0014 J	0.0011 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(a)anthracene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0014 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(a)pyrene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(b)fluoranthene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(g,h,i)perylene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzo(k)fluoranthene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Benzyl alcohol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Bis(1-chloroisopropyl) Ether	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Chloroethoxy) methane	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Chloroethyl) ether	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
bis(2-Ethylhexyl) phthalate	0.0094 U	0.0094 U	0.0035 BJ	0.0094 U	0.0094 U	0.0061 BJ	0.0022 J	0.0097	0.0043 J	0.0094 U	0.0094 U	0.016
Butylbenzylphthalate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Chrysene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diallate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dibenzo(a,h)anthracene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dibenzofuran	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diethylphthalate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Dimethoate	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Dimethylphthalate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Di-n-butylphthalate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Di-n-octylphthalate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Diphenylamine	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX	0.0094 UX

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Angelica, New York
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	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017
Semivolatile Organic Compounds (con't)												
Disulfoton	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Ethyl methanesulfonate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Famphur	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U	0.00094 U
Fluoranthene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Fluorene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorobutadiene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachlorocyclopentadiene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachloroethane	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Hexachloropropene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Indeno(1,2,3-cd)pyrene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isodrin	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isophorone	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Isosafrole	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Kepone	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U	0.0047 U
Methapyrilene	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Methyl methanesulfonate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Naphthalene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Nitrobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodibutylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodiethylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodimethylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodi-n-propylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosodiphenylamine/Diphenylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosomethylethylamine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosopiperidine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
N-Nitrosopyrrolidine	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
o,o,o-Triethyl phosphorothioate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
o-Toluidine	0.0094 U	0.0022 J	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
p-(Dimethylamino)azobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachloronitrobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pentachlorophenol	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U
Phenacetin	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Phenanthrene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Phorate	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pronamide	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Pyrene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Safrole	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Thionazin	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	Cell 2 E/F Secondary Leachate Collection			Cell 2 G/H Secondary Leachate Collection System			Cell 3 Secondary Leachate Collection			Cell 4 Secondary Leachate Collection		
	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017
Volatile Organic Compounds												
1,1,1,2-Tetrachloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.25 U	0.25 U	0.25 U	0.00033 J	0.00048 J	0.0005 J	0.005 U	0.00035 J	0.05 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,1-Dichloropropene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,2-Dichlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,2-Dichloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00045 J	0.05 U	0.00044 J	0.005 U	0.005 U
1,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,3-Dichlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
1,3-Dichloropropane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
1,4-Dichlorobenzene	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
2,2-Dichloropropane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
2-Butanone (MEK)	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
Acetone	0.12 J	0.5 U	0.5 U	0.0033 J	0.0098 J	0.0015 J	0.0016 J	0.013	0.02 J	0.0042 J	0.01 U	0.0016 J
Acetonitrile	5 U	5 U	5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Acrolein	5 U	5 U	5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	5 U	5 U	5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Allyl chloride	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Benzene	0.25 U	0.25 U	0.25 U	0.0011 J	0.0012 J	0.0015 J	0.00039 J	0.0027 J	0.05 U	0.00088 J	0.005 U	0.00026 J
Bromochloromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Bromoform	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00032 J	0.1 U	0.00025 J	0.01 U	0.01 U
Carbon tetrachloride	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00029 J	0.05 U	0.0004 J	0.005 U	0.005 U
Chloroform	0.015 J	0.25 U	0.018 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0043 J	0.005 U	0.005 U	0.005 U
Chloromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.0006 J	0.005 U	0.005 U	0.005 U	0.05 U	0.0003 J	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.25 U	0.25 U	0.25 U	0.00064 J	0.0011 J	0.0013 J	0.005 U	0.00078 J	0.05 U	0.00058 J	0.005 U	0.005 U
cis-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Dichloromethane (Methylene chloride)	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Ethyl benzene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00022 J	0.05 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
Iodomethane	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
Isobutyl alcohol	5 U	5 U	5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U

Table 1

Current and Historic (Last 3 Quarterly Samplings) Leachate Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Cell 2 E/F Secondary Leachate Collection			Cell 2 G/H Secondary Leachate Collection System			Cell 3 Secondary Leachate Collection			Cell 4 Secondary Leachate Collection		
	8/30/2016	2/6/2017	8/16/2017	8/10/2016	2/6/2017	8/16/2017	8/11/2016	2/8/2017	8/17/2017	8/9/2016	2/8/2017	8/17/2017

Volatile Organic Compounds (con't)

m&p-Xylene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Methacrylonitrile	1 U	1 U	1 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.2 U	0.02 U	0.02 U	0.02 U
Methyl methacrylate	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
o-Xylene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Phenol	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U
Propionitrile	5 U	5 U	5 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Styrene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Toluene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.0019 J	0.005 U	0.005 U
trans-1,2-Dichloroethene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
trans-1,3-Dichloropropene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
trans-1,4-Dichloro-2-butene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.05 U	0.005 U	0.005 U	0.005 U
Vinyl acetate	0.5 U	0.5 U	0.5 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.1 U	0.01 U	0.01 U	0.01 U
Vinyl chloride	0.25 U	0.25 U	0.25 U	0.005 U	0.005 U	0.005 U	0.005 U	0.00077 J	0.05 U	0.005 U	0.005 U	0.005 U

Wet Chemistry

Alkalinity	4410	6160	3260	582	560	580	633	1050	1680	628	466	594
Ammonia Nitrogen	550	1170	684	4.11	6.31	3.28	1.84	39.4	273	9.37	2.48	4.91
Biochemical Oxygen Demand	117	102	9.6 *	2.2	2 U,*	2.8	2 U	18.6	41.9	4.4	2.6	2 U
Bromide	12.4	13.3	7.01	1 U	1 U	1 U	1 U	1 U	3.4 J	1 U	1 U	1 U
Chemical Oxygen Demand	3270	2330	2190	14.3	16.4	26.3	9.7	236	543	15.8	22.5	18.5
Chloride	2360	3090	2400	15.9	35.8	22.2	9.6	247	747	15.4	6.8	9
Color (True) (C.U.)	8000	6000	10000	55	50	38	60	50	600	240	250	95
Cyanide	0.1 U	0.02 J	0.046 J	0.003 BJ	0.01 U	0.01 U	0.002 BJ	0.002 J	0.06 U	0.003 J	0.01 U	0.01 U
Hardness	927	936	763	986	972	1050	498	838	545	558	503	615
Nitrate Nitrogen	1 U	0.5 J	129	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
pH of Color Analysis	7.64	6.7	8.1	7.07	6.63	7.28	7.273	7.24	7.62	7.444	7.47	7.23
Phosphorus												
Sulfate	76.6	94.3	603	615	532	711	6.3	11	2 U	2 U	69	47.4
Sulfide	4 U	15.4	4 U	0.98 U	1 U	0.97 U	1 U,*	0.5 BJ	1 J	0.6 J	1 U	0.4 J
Total Dissolved Solids	8520	9240	7900	1530	1380	1620	659	1390	2150	621	573	642
Total Kjeldahl Nitrogen	614	1050	632	3.82	6.03	3.63	1.93	42.7	267	9.12	2.65	4.93
Total Organic Carbon (TOC)	296	1830	800	13.2	15	10	5.7	77	222	14.6	8.2	9
Total Phenolics	0.73	1.04	0.55	0.005 U	0.0049 J	0.005 U	0.005 U	0.045	0.079	0.002 J	0.0045 J	0.005 U
Total Suspended Solids	63.7	144	8.4	16.9	4.7	6.7	5.4	18.5	2.7	22	17.5	86

Notes: U - Concentration not detected at specified detection limit
 B - Analyte detected in associated method blank
 * - Denotes analysis was performed outside holding time.

J/UJ/BJ - Estimated value
 X - See laboratory report case narrative for discussion
 N - Inorganics- Matrix spike recovery was outside laboratory limits.

Table 2

Current and Historic Gas Condensate Analytical Results
Hyland, Facility
Angelica, New York
(mg/L except where noted)

Parameter	Condensate			
	8/7/2014	8/6/2015	8/11/2016	8/17/2017

Field Parameters

Field pH (std. units)	7.21	6.5	7.41	7.54
ORP (mV)	132.5	-311.8	-202.8	-233.4
Specific Conductivity (us/cm)	7230	10034	8127	6577
Temperature (deg. C)	16.5	16.6	20.4	24.6
Turbidity (NTU)	30.1	> 1000	144	>1000

Inorganic Compounds

Aluminum	0.0182 U	10.9	1.95	35.2
Antimony	0.0468 J	0.105 J	0.0597 J	0.0288 J
Arsenic	0.0775 J	0.195	0.13	0.116
Barium	0.02 U	0.177	0.0766	0.461
Beryllium	0.000183 U	0.000775 U	0.00012 U	0.0016 J
Boron	0.2 U	2.02	0.0075 U	0.2 U
Cadmium	0.000403 U	0.000845 U	0.0005 J	0.005 U
Calcium	0.145 J	15.2	2.64	7.22
Chromium	0.000513 U	0.0478 J	0.0064 J	0.0486
Chromium, hexavalent	0.02 U	0.1 U	0.065	0.01 U
Cobalt	0.000795 U	0.0027 U	0.0017 J	0.0227 J
Copper	0.0026 U	0.0763 J	0.0153 J	0.0728
Iron	0.178	27.5	6.55	60.1
Lead	0.0011 U	0.0245 J	0.01 J	0.0499 J
Magnesium	0.0782 J	17.1	0.747 J	8.92
Manganese	0.01 U	0.253	0.0914	0.939
Mercury	0.000088 J	0.0011	0.0022	0.0083
Nickel	0.0049 J	0.0469 J	0.0053 J	0.0513
Potassium	0.0834 J	50.2	0.391 J	7.42
Selenium	0.0024 U	0.0211 J	0.0033 U	0.01 U
Silver	0.000875 U	0.0044 J	0.000463 U	0.01 U
Sodium	1 U	177	0.113 J	0.838 J
Thallium	0.0051 U	0.0107 U	0.0021 U	0.01 U
Vanadium	0.000479 U	0.0174 J	0.0035 J	0.0566
Zinc	0.0398	1.89	0.158 E	0.55

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,1,1-Trichloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,1,2,2-Tetrachloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,1-Dichloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,1-Dichloroethene	0.25 UJ	0.25 U	0.25 U	0.25 U
1,2,3-Trichloropropane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,2-Dibromo-3-chloropropane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,2-Dibromoethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,2-Dichlorobenzene	0.25 UJ	0.029 J	0.25 U	0.25 U
1,2-Dichloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,2-Dichloropropane	0.25 UJ	0.25 U	0.25 U	0.25 U
1,4-Dichlorobenzene	0.35 J	0.92	0.059 J	0.022 J
2-Butanone (MEK)	5.8 J	2.7	6.5	5.6
2-Hexanone	0.087 J	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	0.2 J	0.18 J	0.15 J	0.19 J
Acetone	6.2 J	3	3	4.4
Acrylonitrile	5 UJ	5 U	5 U	5 U
Benzene	0.25 UJ	0.25 U	0.018 J	0.01 J
Bromochloromethane	0.25 UJ	0.25 U	0.25 U	0.25 U

Table 2

Current and Historic Gas Condensate Analytical Results
Hyland, Facility
Angelica, New York
(mg/L except where noted)

Parameter	Condensate			
	8/7/2014	8/6/2015	8/11/2016	8/17/2017

Volatile Organic Compounds (con't)

Bromodichloromethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Bromoform	0.25 UJ	0.25 U	0.25 U	0.25 U
Bromomethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Carbon disulfide	0.5 UJ	0.067 J	0.5 U	0.5 U
Carbon tetrachloride	0.25 UJ	0.25 U	0.25 U	0.25 U
Chlorobenzene	0.25 UJ	0.02 J	0.25 U	0.25 U
Chloroethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Chloroform	0.25 UJ	0.25 U	0.25 U	0.25 U
Chloromethane	0.25 UJ	0.25 U	0.25 U	0.25 U
cis-1,2-Dichloroethene	0.25 UJ	0.25 U	0.25 U	0.25 U
cis-1,3-Dichloropropene	0.25 UJ	0.25 U	0.25 U	0.25 U
Dibromochloromethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Dibromomethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Dichloromethane (Methylene chloride)	0.25 UJ	0.25 U	0.25 U	0.042 J
Ethyl benzene	0.29 J	1.2	0.079 J	0.041 J
Iodomethane	0.5 UJ	0.5 U	0.5 U	0.5 U
m&p-Xylene	0.68 J	2.7	0.13 J	0.07 J
o-Xylene	0.29 J	1.3	0.066 J	0.035 J
Styrene	0.049 J	0.17 J	0.011 J	0.011 J
Tetrachloroethene	0.25 UJ	0.052 J	0.25 U	0.25 U
Toluene	0.25 J	0.85	0.12 J	0.077 J
trans-1,2-Dichloroethene	0.25 UJ	0.25 U	0.25 U	0.25 U
trans-1,3-Dichloropropene	0.25 UJ	0.25 U	0.25 U	0.25 U
trans-1,4-Dichloro-2-butene	0.25 UJ	0.25 U	0.25 U	0.25 U
Trichloroethene	0.25 UJ	0.014 J	0.25 U	0.25 U
Trichlorofluoromethane	0.25 UJ	0.25 U	0.25 U	0.25 U
Vinyl acetate	0.5 UJ	0.5 U	0.5 U	0.5 UJ
Vinyl chloride	0.25 UJ	0.25 U	0.25 U	0.25 U

Wet Chemistry

Alkalinity	3820	4380	4330	3620
Ammonia Nitrogen	1170	13.9	1150	1140
Biochemical Oxygen Demand	56	44900	2620	1440
Bromide	1 U	0.4 J	1 U	1 U
Chemical Oxygen Demand	403 J-	3160	1730	1000
Chloride	1 J	138	2 U	2 U
Color (True) (C.U.)	19	1100	100	40
Cyanide	0.01 U	0.1 U	0.002 J	0.01 U
Hardness	4.6	108	9.67	54.8
Nitrate Nitrogen	1 U	1 U	1 U	1 U
pH of Color Analysis		7.883 *	7.937	8.2 *
Sulfate	2 UJ	209	3.5	4.4
Total Dissolved Solids	364	642	77 U	26
Total Kjeldahl Nitrogen	1060	1430	1150	1040
Total Organic Carbon (TOC)	49	141	205	320
Total Phenolics	5.39	2.79	4.61	9.18

Notes:

U - Concentration not detected at specified detection limit

J/UJ - Estimated value

* - Denotes analysis was performed outside holding time.

Table 3

Fourth Quarter 2017 Bedrock Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-14 11/6-7/2017	MW-19 11/8/2017	MW-31 11/8/2017	MW-34 11/7/2017	MW-37 11/8/2017	MW-40 11/8/2017	Class GA Standard
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Field Parameters

Depth to Groundwater (ft.)	38.51	41.31	12.18	150.09	35.59	46.24	
Dissolved Oxygen		10.09	7.52	0.74	0.87	1.96	
Field pH (std. units)	7.94	6.68	6.59	7.71	7.36	7.41	6.5 - 8.5
ORP (mV)	178.2	96.6	119.6	-49.2	144	41.4	
Specific Conductivity (us/cm)	304	374.8	459.5	581.5	477.9	393.6	
Temperature (deg. C)	9.2	8.1	13.6	9.3	10.3	12.7	
Turbidity (NTU)	3.95	3.29	3.94	0.54	0.84	13.5	5

Inorganic Compounds

Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005
Calcium	44.4	46.5	67.4	47.6	71.5	43.2	
Iron	0.1 U	0.09 J	0.1 U	0.16	0.1 U	0.51	0.3
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025
Magnesium	10.9	16.3	14.6	14.3	24.1	23.8	
Manganese	0.01 U	0.005 J	0.01 U	0.117	0.01 U	0.011	0.3
Potassium	1.9 J	2.8	2.2	1.4 J	2.3	2.9	
Sodium	3.4	14	11.5	74.7	7.6	8.7	20

Wet Chemistry

Alkalinity	148	167	71.6	252	232	180	
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.253	0.05 U	0.05 U	2
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	2 U	2 U	
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	
Chemical Oxygen Demand	5 U	6.8	5 U	5 U	5.4	5 U	
Chloride	2.4	16.2	31.7	20.8	8.6	11.8	250
Hardness	156	183	228	178	278	206	
Nitrate Nitrogen	1 U	0.8 J	1.3	0.6 J	1 U	0.6 J	10
Sulfate	19.1	21.6	142	67.1	49.2	29.4	250
Total Dissolved Solids	175	210	306	378	293	221	500
Total Kjeldahl Nitrogen	0.2 U	0.17 J	0.14 J	0.34	0.2 U	0.2 U	
Total Organic Carbon (TOC)	0.1 J	1.8	0.5 J	0.5 J	0.1 J	0.4 J	
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001

Notes:

Class GA Standard - NYSDEC Class GA Groundwater Standard

Concentrations in **bold** exceed Class GA Standards.

U - Concentration not detected at specified detection limit

J - Estimated value

Table 4

Fourth Quarter 2017 Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-26 11/6-7/2017	MW-36A 11/6- 8/2017	MW-37A 11/6- 7/2017	MW-40A 11/6/2017	MW-41A 11/7- 8/2017	MW-42A 11/7/2017	MW-47A 11/8/2017	Class GA Standard
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Depth to Groundwater (ft)	11.9	61.63	34.28	34.5	55.67	65.49	30.06	
Dissolved Oxygen							1.47	
Field pH (std. units)	6.63	6.97	7.29	7.05	7.03	7.02	7.26	6.5 - 8.5
ORP (mV)	218.4	214	193.2	224.6	108.4	-114.4	-136.3	
Specific Conductivity (us/cm)	1106	2808	1432	1966	3294	3061	1410	
Temperature (deg. C)	11.2	9	10.7	10.7	12.1	8.9	6.2	
Turbidity (NTU)	10.8	9.83	9.8	246	3.05	21.9	1.74	5

Cadmium	0.005 U	0.005 U	0.005 U		0.005 U		0.005 U	0.005
Calcium	171	545	228		626		220	
Iron	0.15	0.22	0.31		0.1 U		1.5	0.3
Lead	0.05 U	0.05 U	0.05 U		0.05 U		0.05 U	0.025
Magnesium	41.8	200	80.9		248		74.4	
Manganese	0.007 J	0.15	0.01 U		0.016		1.19	0.3
Potassium	2.6	13.1	12.4		15.7		6.6	
Sodium	57.3	84.2	43.8		119		50.6	20

Alkalinity	376	414	357		382		262	
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.0067	0.05 U	0.281	0.094	2
Biochemical Oxygen Demand	2 U	2 U	2 U		2 U		2 U	
Bromide	0.8 J	1 U	1 U		1 U	1 U	1 U	
Chemical Oxygen Demand	20	5.4	5 U	5.8	6.8	12.4	4.7 J	
Chloride	96.6	2.8	1.6 J		3.1	3.7	2.6	250
Hardness	600	2180	903		2590		856	
Nitrate Nitrogen	0.7 J	1 U	1 U		1 U	1 U	1 U	10
Sulfate	138	1890	628		2390	2060	728	250
Total Dissolved Solids	734	2980	1240		3500	3280	1180	500
Total Kjeldahl Nitrogen	0.56	0.28	0.19 J	0.67	0.13 J	0.77	0.23	
Total Organic Carbon (TOC)	7.8	2	0.8 J		2	2.1	1.7	
Total Phenolics	0.0021 J	0.005 U	0.005 U		0.005 U	0.005 U	0.005 U	0.001

Notes:

Class GA Standard - NYSDEC Class GA Groundwater Standard

Concentrations in **bold** exceed Class GA Standards.

U - Concentration not detected at specified detection limit

J - Estimated value

Table 5

Fourth Quarter 2017 Surface Water Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	DB-2 11/9/2017	DB-3 11/9/2017	Class C Standard
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Field Parameters

Field pH (std. units)	7.76	7.27	6.5 - 8.5
ORP (mV)	153.6	165.4	
Specific Conductivity (us/cm)	261.1	286.5	
Temperature (deg. C)	6.5	5.8	
Turbidity (NTU)	272	147	

Inorganic Compounds

Cadmium	0.005 U	0.005 U	
Calcium	38.6	40.9	
Iron	5.45	4.57	
Lead	0.05 U	0.05 U	0.008
Magnesium	11.6	13	
Manganese	0.174	0.087	
Potassium	5.9	5.4	
Sodium	4.3	4.3	

Wet Chemistry

Alkalinity	105	88	
Ammonia Nitrogen	0.136	0.037 J	2
Biochemical Oxygen Demand	2 U	2 U	
Bromide	1 U	1 U	
Chemical Oxygen Demand	14	10.8	
Chloride	4.1	5.1	
Hardness	144	156	
Nitrate Nitrogen	0.7 J	0.6 J	
Sulfate	41.7	73.4	
Total Dissolved Solids	232	217	500
Total Kjeldahl Nitrogen	0.93	0.54	
Total Organic Carbon (TOC)	4.6	3.2	
Total Phenolics	0.0041 J	0.0044 J	

Notes:

Class C Standard - NYSDEC Class C Surface Water Standard
Concentrations in **bold** exceed Class GA Standards.

U - Concentration not detected at specified detection limit

J - Estimated value

Table 6

Fourth Quarter 2017 Groundwater Suppression System Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	GSS-1 11/7/2017	GSS-2 E/F 11/7/2017	GSS-2 G/H 11/7/2017	GSS-3 11/8/2017	Class GA Standard
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Field Parameters

Field pH (std. units)	7.02	7.13	7.02	4.72	6.5 - 8.5
ORP (mV)	130	49.3	107.2	-36	
Specific Conductivity (us/cm)	436.9	606	1263	743	
Temperature (deg. C)	18.7	28	20.3	15.7	
Turbidity (NTU)	123	1.64	34.9	35.3	5

Inorganic Compounds

Aluminum		0.1 U		1.08	
Antimony		0.06 U		0.06 U	0.003
Arsenic		0.01 U		0.0204	0.025
Barium		0.0707		0.1	1
Beryllium		0.003 U		0.003 U	
Boron		0.2 U		0.101 J	1
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005
Calcium	71.9	92.8	200	112	
Chromium		0.01 U		0.01 U	0.05
Chromium, hexavalent		0.01 U		0.01 UJ	
Cobalt		0.05 U		0.05 U	
Copper		0.02 U		0.02 U	0.2
Iron	4.98	0.0994 J	1.51	1.38	0.3
Lead	0.009 J	0.05 U	0.05 U	0.05 U	0.025
Magnesium	16.9	24.8	76.2	42.1	
Manganese	0.099	0.817	0.559	1.07	0.3
Mercury		0.0002 U		0.0002 U	0.0007
Nickel		0.04 U		0.04 U	0.1
Potassium	5.7	3.59	7.7	6.7	
Selenium		0.01 U		0.01 U	0.01
Silver		0.01 U		0.01 U	0.05
Sodium	8	7.58	22.7	12.8	20
Thallium		0.01 U		0.01 U	
Vanadium		0.05 U		0.05 U	
Zinc		0.02 U		0.02 U	

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane		0.005 U		0.005 U	0.005
1,1,1-Trichloroethane		0.005 U		0.005 U	0.005
1,1,2,2-Tetrachloroethane		0.005 U		0.005 U	0.005
1,1,2-Trichloroethane		0.005 U		0.005 U	0.001
1,1-Dichloroethane		0.005 U		0.005 U	0.005
1,1-Dichloroethene		0.005 U		0.005 U	0.005
1,2,3-Trichloropropane		0.005 U		0.005 U	0.00004
1,2-Dibromo-3-chloropropane		0.005 U		0.005 UJ	0.00004
1,2-Dibromoethane		0.005 U		0.005 U	0.005
1,2-Dichlorobenzene		0.005 U		0.005 U	0.003

Table 6

Fourth Quarter 2017 Groundwater Suppression System Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	GSS-1 11/7/2017	GSS-2 E/F 11/7/2017	GSS-2 G/H 11/7/2017	GSS-3 11/8/2017	Class GA Standard
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Volatile Organic Compounds (con't)

1,2-Dichloroethane		0.005 U		0.005 U	0.0006
1,2-Dichloropropane		0.005 U		0.005 U	0.001
1,4-Dichlorobenzene		0.005 U		0.005 U	0.003
2-Butanone (MEK)		0.01 U		0.01 U	0.005
2-Hexanone		0.01 U		0.01 U	0.005
4-Methyl-2-pentanone		0.01 U		0.01 U	0.005
Acetone		0.01 U		0.01 U	0.005
Acrylonitrile		0.1 U		0.1 U	0.005
Benzene		0.005 U		0.005 U	0.001
Bromochloromethane		0.005 U		0.005 U	0.005
Bromodichloromethane		0.005 U		0.005 U	0.005
Bromoform		0.005 U		0.005 U	0.005
Bromomethane		0.005 U		0.005 U	0.005
Carbon disulfide		0.01 U		0.01 U	0.005
Carbon tetrachloride		0.005 U		0.005 U	0.005
Chlorobenzene		0.005 U		0.005 U	0.005
Chloroethane		0.005 U		0.005 U	0.005
Chloroform		0.005 U		0.005 U	0.007
Chloromethane		0.005 U		0.005 U	0.005
cis-1,2-Dichloroethene		0.005 U		0.005 U	0.005
cis-1,3-Dichloropropene		0.005 U		0.005 U	0.0004
Dibromochloromethane		0.005 U		0.005 U	0.005
Dibromomethane		0.005 U		0.005 U	0.005
Dichloromethane (Methylene chloride)		0.005 U		0.005 U	0.005
Ethyl benzene		0.005 U		0.005 U	0.005
Iodomethane		0.01 U		0.01 U	0.005
m&p-Xylene		0.005 U		0.005 U	0.005
o-Xylene		0.005 U		0.005 U	0.005
Styrene		0.005 U		0.005 U	0.005
Tetrachloroethene		0.005 U		0.005 U	0.005
Toluene		0.005 U		0.005 U	0.005
trans-1,2-Dichloroethene		0.005 U		0.005 U	0.005
trans-1,3-Dichloropropene		0.005 U		0.005 U	0.0004
trans-1,4-Dichloro-2-butene		0.005 U		0.005 U	0.005
Trichloroethene		0.005 U		0.005 U	0.005
Trichlorofluoromethane		0.005 U		0.005 U	0.005
Vinyl acetate		0.01 U		0.01 U	0.005
Vinyl chloride		0.005 U		0.005 U	0.002

Table 6

Fourth Quarter 2017 Groundwater Suppression System Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	GSS-1 11/7/2017	GSS-2 E/F 11/7/2017	GSS-2 G/H 11/7/2017	GSS-3 11/8/2017	Class GA Standard
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Wet Chemistry

Alkalinity	196	243	362	315	
Ammonia Nitrogen	0.05 U	0.036 J	0.05 U	0.075	2
Biochemical Oxygen Demand	2 U	2 U	2 U	2.3	
Bromide	1 U	1 U	1 U	1 U	
Chemical Oxygen Demand	11.4	10.8 J	8.5	3.7 J	
Chloride	23.7	4.4	9.2	6.5	250
Color (True) (C.U.)		11		8	15
Cyanide		0.01 U		0.01 U	0.2
Hardness	249	334	812	452	
Nitrate Nitrogen	0.7 J	1 U	1.8	1 U	10
pH of Color Analysis		7.44 *		7.27	
Sulfate	58.8	94.7	493	144	250
Total Dissolved Solids	297	395	1050	527	500
Total Kjeldahl Nitrogen	0.37	0.41 J	0.28	0.18 J	
Total Organic Carbon (TOC)	2.9	2.6	3.2	1.4	
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.001

Notes:

Class GA Standard - NYSDEC Class GA Groundwater Standard

Concentrations in **bold** exceed Class GA Standards.

U - Concentration not detected at specified detection limit

J/UJ - Estimated value

* - Quality control parameter exceeds laboratory limits

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Upgradient Bedrock Monitoring Wells														
	MW-14 8/9- 10/2016	MW-14 11/7- 8/2016	MW-14 4/21- 5/8/2017	MW-14 8/9- 10/2017	MW-14 11/6- 7/2017	MW-19 8/11/2016	MW-19 11/8/2016	MW-19 5/8/2017	MW-19 8/15/2017	MW-19 11/8/2017	MW-31 8/15/2016	MW-31 11/9/2016	MW-31 4/20/2017	MW-31 8/15/2017	MW-31 11/8/2017

Field Parameters

Depth to Groundwater (ft)	38.5	38.47	37.1	38.45	38.51	46.79	26.08	29.97	46.35	41.31	14.56	14.43	13.96	14.23	12.18
Dissolved Oxygen						2.05	5.15	3.74	2.6	10.09	6.28	5.62	5.29	3.63	7.52
Field pH (std. units)	8.24	8.03	7.81	7.9	7.94	7.16	7.18	7.14	7.3	6.68	6.43	6.63	6.48	6.59	6.59
ORP (mV)	134.4	182.5	146.8	61.5	178.2	-14.7	125.1	64.4	48.1	96.6	114.9	156.8	156	205.4	119.6
Specific Conductivity (us/cm)	275.4	299.5	293.2	268.2	304	534	295.7	362.2	448.2	374.8	243.3	216.4	363.3	463	459.5
Temperature (deg. C)	13	11.7	11.7	13	9.2	22.9	12.6	11.3	20	8.1	18.9	6.6	11.3	18.8	13.6
Turbidity (NTU)	1.78	3.28	7.36	3.64	3.95	13.4	1.51	1.25	5.84	3.29	2.41	5.9	1.4	0.58	3.94

Inorganic Compounds

Aluminum				0.1 U					0.258					0.1 U	
Antimony				0.06 U					0.06 U					0.06 U	
Arsenic				0.01 U					0.01 U					0.01 U	
Barium				0.0729					0.0599					0.0236	
Beryllium				0.003 U					0.003 U					0.003 U	
Boron				0.2 U					0.2 U					0.2 U	
Cadmium	0.005 U	0.0003 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0002 BJ	0.0003 BJ	0.005 U	0.005 U	0.005 U
Calcium	37.6	42.8	44.1	39.4	44.4	55.6	32.1	42.9	58.6	46.5	29.7	28.2	48	66.2	67.4
Chromium				0.0027 J					0.01 U					0.01 U	
Chromium, hexavalent				0.01 U					0.01 U					0.01 U	
Cobalt				0.05 U					0.05 U					0.05 U	
Copper				0.02 U					0.02 U					0.02 U	
Iron	0.02 J	0.24	0.21	0.1 U	0.1 U	0.4	0.03 J	0.03 J	0.235	0.09 J	0.05 BJ	0.17	0.02 J	0.1 U	0.1 U
Lead	0.005 J	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Magnesium	9.1	10	10.5	9.14	10.9	20.3	12.3	17.9	20.5	16.3	7.1	6.5	11.7	15.4	14.6
Manganese	0.002 BJ	0.014	0.008 J	0.01 U	0.01 U	0.055	0.002 J	0.002 J	0.0145	0.005 J	0.003 BJ	0.003 J	0.002 J	0.01 U	0.01 U
Mercury				0.0002 U					0.0002 U					0.0002 U	
Nickel				0.04 U					0.04 U					0.04 U	
Potassium	1.7 J	1.6 J	1.9 J	1.64 J	1.9 J	3	2.4	3	3.13	2.8	1.4 J	1.4 J	1.4 J	1.91 J	2.2
Selenium				0.01 U					0.01 U					0.01 U	
Silver				0.01 U					0.01 U					0.01 U	
Sodium	3.3	2.9	3.5	3.23	3.4	12.8	10.7	12.8	14.4	14	7.9	7.7	9.4	10.7	11.5
Thallium				0.01 U					0.01 U					0.01 U	
Vanadium				0.05 U					0.05 U					0.05 U	
Zinc				0.02 U					0.0839					0.0742	

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Upgradient Bedrock Monitoring Wells														
	MW-14 8/9- 10/2016	MW-14 11/7- 8/2016	MW-14 4/21- 5/8/2017	MW-14 8/9- 10/2017	MW-14 11/6- 7/2017	MW-19 8/11/2016	MW-19 11/8/2016	MW-19 5/8/2017	MW-19 8/15/2017	MW-19 11/8/2017	MW-31 8/15/2016	MW-31 11/9/2016	MW-31 4/20/2017	MW-31 8/15/2017	MW-31 11/8/2017
Volatile Organic Compounds															
1,1,1,2-Tetrachloroethane				0.005 U					0.005 U					0.005 U	
1,1,1-Trichloroethane				0.005 U					0.005 U					0.005 U	
1,1,2,2-Tetrachloroethane				0.005 U					0.005 U					0.005 U	
1,1,2-Trichloroethane				0.005 U					0.005 U					0.005 U	
1,1-Dichloroethane				0.005 U					0.005 U					0.005 U	
1,1-Dichloroethene				0.005 U					0.005 U					0.005 U	
1,2,3-Trichloropropane				0.005 U					0.005 U					0.005 U	
1,2-Dibromo-3-chloropropane				0.005 U					0.005 U					0.005 U	
1,2-Dibromoethane				0.005 U					0.005 U					0.005 U	
1,2-Dichlorobenzene				0.005 U					0.005 U					0.005 U	
1,2-Dichloroethane				0.005 U					0.005 U					0.005 U	
1,2-Dichloropropane				0.005 U					0.005 U					0.005 U	
1,4-Dichlorobenzene				0.005 U					0.005 U					0.005 U	
2-Butanone (MEK)				0.01 U					0.01 U					0.01 U	
2-Hexanone				0.01 U					0.01 U					0.01 U	
4-Methyl-2-pentanone				0.01 U					0.01 U					0.01 U	
Acetone				0.01 U					0.01 U					0.01 U	
Acrylonitrile				0.1 U					0.1 U					0.1 U	
Benzene				0.005 U					0.005 U					0.005 U	
Bromochloromethane				0.005 U					0.005 U					0.005 U	
Bromodichloromethane				0.005 U					0.005 U					0.005 U	
Bromoform				0.005 U					0.005 U					0.005 U	
Bromomethane				0.005 U					0.005 U					0.005 U	
Carbon disulfide				0.01 U					0.01 U					0.01 U	
Carbon tetrachloride				0.005 U					0.005 U					0.005 U	
Chlorobenzene				0.005 U					0.005 U					0.005 U	
Chloroethane				0.005 U					0.005 U					0.005 U	
Chloroform				0.005 U					0.005 U					0.005 U	
Chloromethane				0.005 U					0.005 U					0.005 U	
cis-1,2-Dichloroethene				0.005 U					0.005 U					0.005 U	
cis-1,3-Dichloropropene				0.005 U					0.005 U					0.005 U	
Dibromochloromethane				0.005 U					0.005 U					0.005 U	
Dibromomethane				0.005 U					0.005 U					0.005 U	
Dichloromethane (Methylene chloride)				0.005 U					0.005 U					0.005 U	

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Upgradient Bedrock Monitoring Wells														
	MW-14 8/9- 10/2016	MW-14 11/7- 8/2016	MW-14 4/21- 5/8/2017	MW-14 8/9- 10/2017	MW-14 11/6- 7/2017	MW-19 8/11/2016	MW-19 11/8/2016	MW-19 5/8/2017	MW-19 8/15/2017	MW-19 11/8/2017	MW-31 8/15/2016	MW-31 11/9/2016	MW-31 4/20/2017	MW-31 8/15/2017	MW-31 11/8/2017

Volatile Organic Compounds (con't)

Ethyl benzene				0.005 U					0.005 U					0.005 U	
Iodomethane				0.01 U					0.01 U					0.01 U	
m&p-Xylene				0.005 U					0.005 U					0.005 U	
o-Xylene				0.005 U					0.005 U					0.005 U	
Styrene				0.005 U					0.005 U					0.005 U	
Tetrachloroethene				0.005 U					0.005 U					0.005 U	
Toluene				0.005 U					0.005 U					0.005 U	
trans-1,2-Dichloroethene				0.005 U					0.005 U					0.005 U	
trans-1,3-Dichloropropene				0.005 U					0.005 U					0.005 U	
trans-1,4-Dichloro-2-butene				0.005 U					0.005 U					0.005 U	
Trichloroethene				0.005 U					0.005 U					0.005 U	
Trichlorofluoromethane				0.005 U					0.005 U					0.005 U	
Vinyl acetate				0.01 UJ					0.01 UJ					0.01 UJ	
Vinyl chloride				0.005 U					0.005 U					0.005 U	

Wet Chemistry

Alkalinity	125	142	149	137	148	180	138	171	201	167	77.2	75.2	54.8	75.2	71.6
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chemical Oxygen Demand	5 U	9.7	5 U	4.7 J	5 U	5 U	15.8	6.4	14	6.8	9.4	5 U	4.7 J	14	5 U
Chloride	2.5	3.2	2.4	2	2.4	21.6	11.1	19.1	25.2	16.2	6.9	7.9	50	56.9	31.7
Color (True) (C.U.)				2					5					2	
Cyanide				0.01 U					0.01 U					0.01 U	
Hardness	131	148	153	136	156	222	132	181	231	183	104	97.3	168	229	228
Nitrate Nitrogen	0.6 J	0.9 J	1 U	1 U	1 U	0.7 J	1 J	0.7 J	0.7 J	0.8 J	0.6 J	1	0.6 J	0.6 J	1.3
pH of Color Analysis				8.16 *					7.73 *					7.4 *	
Sulfate	18.2	19.2	19.3	21.2	19.1	39.7	17.7	16.4	29.2	21.6	35.8	33.3	60.9	94.1	142
Total Dissolved Solids	160	173	178	187	175	297	181	200	265	210	196	137	269	286	306
Total Kjeldahl Nitrogen	0.18 BJ	0.22	0.2 U	0.85	0.2 U	0.25 B	0.24	0.29	0.23 B	0.17 J	0.17 J	0.14 J	0.1 J	0.18 J	0.14 J
Total Organic Carbon (TOC)	0.4 J	0.8 J	0.9 BJ	1.3	0.1 J	1.1	2.5	2	3.8	1.8	0.6 J	0.5 BJ	1.4	1.4	0.5 J
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Downgradient Bedrock Monitoring Wells										Leachate Impoundment Bedrock Monitoring Wells				
	MW-34 8/30/2016	MW-34 11/9/2016	MW-34 4/25/2017	MW-34 8/16/2017	MW-34 11/7/2017	MW-37 8/15/2016	MW-37 11/9/2016	MW-37 5/8/2017	MW-37 8/10/2017	MW-37 11/8/2017	MW-40 8/15/2016	MW-40 11/8/2016	MW-40 4/20/2017	MW-40 8/15/2017	MW-40 11/8/2017

Field Parameters

Depth to Groundwater (ft)	154.42	152.26	151.16	150.32	150.09	30.53	31.15	23.31	31.43	35.59	48.74	31.59	31.24	47.81	46.24
Dissolved Oxygen	3.3	3.93	0.8	0.59	0.74	5.11		1.72	0.79	0.87	4.42	5.9	2.9	1.61	1.96
Field pH (std. units)	7.48	7.43	7.49	7.8	7.71	7.38	7.33	7.21	7.47	7.36	7.2	7.32	7.06	7.5	7.41
ORP (mV)	-21.7	1.9	55.8	-75.8	-49.2	22.8	158.7	191.8	116	144	86.2	130.6	135.5	118.9	41.4
Specific Conductivity (us/cm)	621.2	583.3	585.5	563.6	581.5	523.2	260.1	472.2	484.3	477.9	521.6	320.9	316.7	413.1	393.6
Temperature (deg. C)	11.6	9.3	9.9	13.1	9.3	18.2	10.5	9.2	16.1	10.3	18.1	14.6	13.3	20.3	12.7
Turbidity (NTU)	0.63	0.9	0.39	0.35	0.54	3.61	25.8	1.03	2.54	0.84	14.7	34.4	1.51	9.41	13.5

Inorganic Compounds

Aluminum	0.0232 J			0.1 U					0.195					0.338	
Antimony	0.005 U			0.06 U					0.06 U					0.06 U	
Arsenic	0.0049 U			0.01 U					0.01 U					0.01 U	
Barium	0.315			0.317					0.0547					0.0159 J	
Beryllium	0.00012 U			0.003 U					0.003 U					0.003 U	
Boron	0.226			0.243					0.2 U					0.2 U	
Cadmium	0.000196 U	0.0002 BJ	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	46.4	46.8	48.1	47.9	47.6	71.1	70	70.5	71.7	71.5	54.9	34.7	36.9	48.1	43.2
Chromium	0.00027 U			0.01 U					0.01 U					0.01 U	
Chromium, hexavalent	0.01 U			0.01 U					0.01 U					0.01 U	
Cobalt	0.0011 U			0.05 U					0.05 U					0.05 U	
Copper	0.000619 U			0.02 U					0.02 U					0.02 U	
Iron	0.173	0.09 BJ	0.17	0.167	0.16	0.03 BJ	0.55	0.03 J	0.204	0.1 U	0.49	0.74	0.04 J	0.27	0.51
Lead	0.0021 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Magnesium	13.1	13.1	14.1	14.1	14.3	22.8	21.8	23.1	22.9	24.1	30.3	15.7	17.2	27.4	23.8
Manganese	0.105	0.112	0.118	0.115	0.117	0.011 B	0.005 J	0.003 J	0.0068 J	0.01 U	0.01 B	0.016	0.002 J	0.01 U	0.011
Mercury	0.00004 U			0.0002 U					0.0002 U					0.0002 U	
Nickel	0.0011 U			0.04 U					0.04 U					0.04 U	
Potassium	1.26 J	1.4 J	1.6 J	1.4 J	1.4 J	2.3	2.3	2.3	2.31	2.3	3.1	2.5	2.4	2.86	2.9
Selenium	0.0033 U			0.01 U					0.01 U					0.01 U	
Silver	0.000463 U			0.01 U					0.01 U					0.01 U	
Sodium	75.2	75.2	76	73.4	74.7	7.4	7.5	7.5	7.29	7.6	9.8	8.8	9.2	8.91	8.7
Thallium	0.0021 U			0.01 U					0.01 U					0.01 U	
Vanadium	0.000909 U			0.05 U					0.05 U					0.05 U	
Zinc	0.0018 J			0.02 U					0.02 U					0.0527	

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Downgradient Bedrock Monitoring Wells										Leachate Impoundment Bedrock Monitoring Wells				
	MW-34 8/30/2016	MW-34 11/9/2016	MW-34 4/25/2017	MW-34 8/16/2017	MW-34 11/7/2017	MW-37 8/15/2016	MW-37 11/9/2016	MW-37 5/8/2017	MW-37 8/10/2017	MW-37 11/8/2017	MW-40 8/15/2016	MW-40 11/8/2016	MW-40 4/20/2017	MW-40 8/15/2017	MW-40 11/8/2017

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,1,1-Trichloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,1,2,2-Tetrachloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,1,2-Trichloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,1-Dichloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,1-Dichloroethene	0.005 U			0.005 U					0.005 U					0.005 U	
1,2,3-Trichloropropane	0.005 U			0.005 U					0.005 U					0.005 U	
1,2-Dibromo-3-chloropropane	0.005 U			0.005 U					0.005 U					0.005 U	
1,2-Dibromoethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,2-Dichlorobenzene	0.005 U			0.005 U					0.005 U					0.005 U	
1,2-Dichloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
1,2-Dichloropropane	0.005 U			0.005 U					0.005 U					0.005 U	
1,4-Dichlorobenzene	0.005 U			0.005 U					0.005 U					0.005 U	
2-Butanone (MEK)	0.01 U			0.01 U					0.01 U					0.01 U	
2-Hexanone	0.01 U			0.01 U					0.01 U					0.01 U	
4-Methyl-2-pentanone	0.01 U			0.01 U					0.01 U					0.01 U	
Acetone	0.01 U			0.01 U					0.01 U					0.01 U	
Acrylonitrile	0.1 U			0.1 U					0.1 U					0.1 U	
Benzene	0.005 U			0.005 U					0.005 U					0.005 U	
Bromochloromethane	0.005 U			0.005 U					0.005 U					0.005 U	
Bromodichloromethane	0.005 U			0.005 U					0.005 U					0.005 U	
Bromoform	0.005 U			0.005 U					0.005 U					0.005 U	
Bromomethane	0.005 U			0.005 U					0.005 U					0.005 U	
Carbon disulfide	0.01 U			0.01 U					0.01 U					0.01 U	
Carbon tetrachloride	0.005 U			0.005 U					0.005 U					0.005 U	
Chlorobenzene	0.005 U			0.005 U					0.005 U					0.005 U	
Chloroethane	0.005 U			0.005 U					0.005 U					0.005 U	
Chloroform	0.005 U			0.005 U					0.005 U					0.005 U	
Chloromethane	0.005 U			0.005 U					0.005 U					0.005 U	
cis-1,2-Dichloroethene	0.005 U			0.005 U					0.005 U					0.005 U	
cis-1,3-Dichloropropene	0.005 U			0.005 U					0.005 U					0.005 U	
Dibromochloromethane	0.005 U			0.005 U					0.005 U					0.005 U	
Dibromomethane	0.005 U			0.005 U					0.005 U					0.005 U	
Dichloromethane (Methylene chloride)	0.005 U			0.005 U					0.005 U					0.005 U	

Table 7

Current and Historic Bedrock Well Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	Downgradient Bedrock Monitoring Wells										Leachate Impoundment Bedrock Monitoring Wells				
	MW-34 8/30/2016	MW-34 11/9/2016	MW-34 4/25/2017	MW-34 8/16/2017	MW-34 11/7/2017	MW-37 8/15/2016	MW-37 11/9/2016	MW-37 5/8/2017	MW-37 8/10/2017	MW-37 11/8/2017	MW-40 8/15/2016	MW-40 11/8/2016	MW-40 4/20/2017	MW-40 8/15/2017	MW-40 11/8/2017

Volatile Organic Compounds (con't)

Ethyl benzene	0.005 U			0.005 U					0.005 U					0.005 U	
Iodomethane	0.01 U			0.01 U					0.01 U					0.01 U	
m&p-Xylene	0.005 U			0.005 U					0.005 U					0.005 U	
o-Xylene	0.005 U			0.005 U					0.005 U					0.005 U	
Styrene	0.005 U			0.005 U					0.005 U					0.005 U	
Tetrachloroethene	0.005 U			0.005 U					0.005 U					0.005 U	
Toluene	0.005 U			0.005 U					0.005 U					0.005 U	
trans-1,2-Dichloroethene	0.005 U			0.005 U					0.005 U					0.005 U	
trans-1,3-Dichloropropene	0.005 U			0.005 U					0.005 U					0.005 U	
trans-1,4-Dichloro-2-butene	0.005 U			0.005 U					0.005 U					0.005 U	
Trichloroethene	0.005 U			0.005 U					0.005 U					0.005 U	
Trichlorofluoromethane	0.005 U			0.005 U					0.005 U					0.005 U	
Vinyl acetate	0.01 U			0.01 U					0.01 U					0.01 U	
Vinyl chloride	0.005 U			0.005 U					0.005 U					0.005 U	

Wet Chemistry

Alkalinity	250	248	270	254	252	226	231	238	226	232	196	148	161	191	180
Ammonia Nitrogen	0.307	0.258	0.308	0.295	0.253	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chemical Oxygen Demand	5 U	5 U	5 U	14.7 J	5 U	9.7	5 U	8.1	4.4 J	5.4	8.1	6.5	5 U	15.6	5 U
Chloride	20.7	23.6	19.8	20.5	20.8	10.8	9.2	13.7	2.3	8.6	13.2	11.3	14	11.6	11.8
Color (True) (C.U.)	10			4					2					7	
Cyanide	0.01 U			0.01 U					0.01 U					0.01 U	
Hardness	170	171	178	178	178	271	265	271	273	278	262	153	163	233	206
Nitrate Nitrogen	1 U	1 U	1 U	1 U	0.6 J	1 U	1 U	1 U	0.5 J	1 U	0.6 J	1.1	0.6 J	0.5 J	0.6 J
pH of Color Analysis	7.96			7.94 *					7.37					7.88 *	
Sulfate	58.4	70.9	64	67.9	67.1	48.1	49	42.2	48	49.2	75.3	21.2	17.5	45.1	29.4
Total Dissolved Solids	375	370	368	374	378	340	300	291	331	293	350	195	210	268	221
Total Kjeldahl Nitrogen	0.4	0.32	0.36	0.46	0.34	0.2 U	0.22	0.14 J	0.16 J	0.2 U	0.2 U	0.19 J	0.2 U	0.2	0.2 U
Total Organic Carbon (TOC)	0.7 J	0.5 BJ	0.4 J	3.6 J	0.5 J	0.5 J	0.9 J	1.2 B	4.4	0.1 J	0.7 J	0.8 J	1.7	1.4	0.4 J
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Notes:

U - Concentration not detected at specified detection limit

J/UJ/BJ - Estimated value

* - Denotes analysis was performed outside holding time.

E - Concentration is estimated due to the serial dilution was outside control limits.

B - Analyte detected in method blank may have contributed to sample result

100
100
100
100

Parameter exceeds Class GA Std but is below EWQV

Parameter exceeds both EWQV (mean) and Class GA Std

Parameter exceeds EWQV plus three std deviations

Parameter exceeds all the above criteria

Table 7 Continued

**Groundwater Pre-Operational Water Quality Data
and NYSDEC Water Quality Standards
Hyland Facility
Angelica, New York
(mg/L except where noted)**

Parameter	Bedrock Pre-Operational Water Quality Data			Class GA Standard
	Mean	Standard Deviation	Mean +3 Standard Deviations	

Field Parameters

Field pH (std. units) Lower limit	7.6	0.32	6.64	6.5 - 8.5
Field pH (std. units) Upper limit	7.6	0.32	8.57	6.5 - 8.5
ORP (mV)	94.6	129.3	482.5	
Specific Conductivity (us/cm)	446	88	710	
Turbidity (NTU)	93.3	158	567.3	5

Inorganic Compounds

Aluminum	1.03/8.3	1.68/8.1	6.08/32.5	
Antimony	0.0112/0.015	0.007/0.004	0.0323/0.028	0.003
Arsenic	0.004/0.009	0.002/0.006	0.009/0.026	0.025
Barium	0.038/0.104	0.024/0.052	0.11/0.26	1
Beryllium	0.0014/0.001	0.0002/0.001	0.002/0.003	
Boron	0.2/0.03	0.09/0.025	0.48/0.106	1
Cadmium	0.0021/0.0019	0.001/0.0013	0.005/0.0057	0.005
Calcium	55.6/46	11.4/9.6	89.8/74.4	
Chromium	0.0043/0.044	0.0051/0.046	0.0196/0.182	0.05
Chromium, hexavalent	0.005/0.005	0/0	0.005/0.005	
Cobalt	0.009/0.009	0.002/0.006	0.015/0.027	
Copper	0.007/0.035	0.004/0.034	0.02/0.138	0.2
Iron	3.7/13.7	10.2/11.8	34.3/49	0.3
Lead	0.0036/0.022	0.0046/0.029	0.017/0.11	0.025
Magnesium	20.1/15.6	5.56/6.52	36.8/35.2	
Manganese	0.0996/0.63	0.2736/0.703	0.9205/2.74	0.3
Mercury	0.0001/0.0001	0/0	0.0001/0.0001	0.0007
Nickel	0.013/0.036	0.004/0.028	0.024/0.118	0.1
Potassium	2.47/3.8	0.85/1.2	5.01/7.3	
Selenium	0.0019/0.001	0.0009/0	0.0047/0.001	0.01
Silver	0.004/0.003	0.002/0.001	0.009/0.006	0.05
Sodium	7.66/7.18	1.79/2.95	13/16	20
Thallium	0.004/0.0008	0.002/0.0007	0.01/0.0029	
Tin3	NA/0.4	NA/0	NA/0.4	
Vanadium	0.014/0.01	0.004/0.005	0.024/0.024	
Zinc	0.0213/0.076	0.0208/0.064	0.0838/0.268	

Wet Chemistry

Alkalinity	185	61	369	
Ammonia Nitrogen	0.19	0.14	0.6	2
Biochemical Oxygen Demand	2	2	8	
Bromide	0.3	0.2	1	
Chemical Oxygen Demand	12	10	41	
Chloride	9.53	6.89	30.2	250
Color (True) (C.U.)	57	117	407	15
Cyanide	0.006	0.002	0.012	0.2
Hardness	216	40	335	
Nitrate Nitrogen	0.28	0.2	0.88	10
Sulfate	51.5	25.2	127.1	250
Sulfide	0.4	0.66	2.39	
Total Dissolved Solids	247	78	480	500
Total Kjeldahl Nitrogen	0.62	0.63	2.53	
Total Organic Carbon (TOC)	2	1.3	5.8	
Total Phenolics	0.0044	0.0068	0.025	0.001

Notes:

Pre-operational data from wells MW-14, MW-19, MW-26, MW-31, MW-36A, MW-37, MW-37A, MW-38, MW-38A, MW-39A, MW-40, MW-40A, MW-41A, MW-42A and MW-47A; with the exception of Tin which is the preceeding list of wells plus MW-15, MW-15A, MW-16, MW-17, MW-20, MW-20A, MW-21, MW-21R, MW-21AR, MW-22, MW-23, MW-27, MW-27A, MW-28, MW-28A, MW-29, MW-29A, MW-30, MW-30A, MW-F, MW-G and MW-H.

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-26 8/9/2016	MW-26 11/7/2016	MW-26 4/21- 5/8/2017	MW-26 8/9- 10/2017	MW-26 11/6- 7/2017	MW-36A 8/10- 15/2016	MW-36A 11/8- 14/2016	MW-36A 4/21- 5/8/2017	MW-36A 8/9- 15/2017	MW-36A 11/6- 8/2017
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Field Parameters

Depth to Groundwater (ft)	13.09	13.69	12.99	12.83	11.9	61.04	62.3	61.22	60.34	61.63
Dissolved Oxygen										
Field pH (std. units)	6.55	6.7	6.62	6.67	6.63	6.85	6.82	6.83	6.87	6.97
ORP (mV)	171.6	155.2	180.5	93.6	218.4	149.4	198.5	183.7	47.1	214
Specific Conductivity (us/cm)	1234	1187	1171	1251	1106	3165	2856	3051	2992	2808
Temperature (deg. C)	15.1	15.2	10	14.7	11.2	12.9	11.2	11.3	13.1	9
Turbidity (NTU)	2.51	7.17	52.5	9.06	10.8	37.8	10.3	9.34	26.8	9.83

Inorganic Compounds

Aluminum				0.248					0.366	
Antimony				0.06 U					0.06 U	
Arsenic				0.01 U		0.01 U			0.01 U	
Barium				0.0604					0.02 U	
Beryllium				0.003 U					0.003 U	
Boron				0.2 U					0.121 J	
Cadmium	0.005 U	0.0009 J	0.0004 J	0.005 U	0.005 U	0.0008 J	0.0007 J	0.005 U	0.005 U	0.005 U
Calcium	163	154	168	175	171	567	536	543	557	545
Chromium				0.01 U					0.01 U	
Chromium, hexavalent				0.01 U					0.01 U	
Cobalt				0.05 U					0.05 U	
Copper				0.02 U					0.02 U	
Iron	0.04 J	0.43	1.86	0.212	0.15	0.39	10.4	0.26	0.282	0.22
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Magnesium	38.5	37.6	41.1	41.8	41.8	174	189	201	201	200
Manganese	0.004 BJ	0.026	0.025	0.0055 J	0.007 J	0.077	0.527	0.022	0.123	0.15
Mercury				0.0002 U					0.0002 U	
Nickel				0.04 U					0.04 U	
Potassium	1.8 J	2.3	3.1	2.78	2.6	11.2	15.1	13.1	14	13.1
Selenium				0.01 U					0.01 U	
Silver				0.01 U					0.01 U	
Sodium	53.3	52.7	55.5	56	57.3	73.8	86.7	84	83.5	84.2
Thallium				0.01 U					0.0132	
Vanadium				0.05 U					0.05 U	
Zinc				0.02 U					0.02 U	

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane				0.005 U					0.005 U	
1,1,1-Trichloroethane				0.005 U					0.005 U	
1,1,2,2-Tetrachloroethane				0.005 U					0.005 U	
1,1,2-Trichloroethane				0.005 U					0.005 U	
1,1-Dichloroethane				0.005 U					0.005 U	
1,1-Dichloroethene				0.005 U					0.005 U	
1,2,3-Trichloropropane				0.005 U					0.005 U	
1,2-Dibromo-3-chloropropane				0.005 U					0.005 U	
1,2-Dibromoethane				0.005 U					0.005 U	
1,2-Dichlorobenzene				0.005 U					0.005 U	
1,2-Dichloroethane				0.005 U					0.005 U	
1,2-Dichloropropane				0.005 U					0.005 U	
1,4-Dichlorobenzene				0.005 U					0.005 U	
2-Butanone (MEK)				0.01 U					0.01 U	
2-Hexanone				0.01 U					0.01 U	
4-Methyl-2-pentanone				0.01 U					0.01 U	

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-26 8/9/2016	MW-26 11/7/2016	MW-26 4/21- 5/8/2017	MW-26 8/9- 10/2017	MW-26 11/6- 7/2017	MW-36A 8/10- 15/2016	MW-36A 11/8- 14/2016	MW-36A 4/21- 5/8/2017	MW-36A 8/9- 15/2017	MW-36A 11/6- 8/2017
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Volatile Organic Compounds (con't)

Acetone				0.01 U					0.01 U	
Acrylonitrile				0.1 U					0.1 U	
Benzene				0.005 U					0.005 U	
Bromochloromethane				0.005 U					0.005 U	
Bromodichloromethane				0.005 U					0.005 U	
Bromoform				0.005 U					0.005 U	
Bromomethane				0.005 UJ					0.005 U	
Carbon disulfide				0.01 U					0.01 U	
Carbon tetrachloride				0.005 U					0.005 U	
Chlorobenzene				0.005 U					0.005 U	
Chloroethane				0.005 U					0.005 U	
Chloroform				0.005 U					0.005 U	
Chloromethane				0.005 U					0.005 U	
cis-1,2-Dichloroethene				0.005 U					0.005 U	
cis-1,3-Dichloropropene				0.005 U					0.005 U	
Dibromochloromethane				0.005 U					0.005 U	
Dibromomethane				0.005 U					0.005 U	
Dichloromethane (Methylene chloride)				0.005 U					0.005 U	
Ethyl benzene				0.005 U					0.005 U	
Iodomethane				0.01 U					0.01 UJ	
m&p-Xylene				0.005 U					0.005 U	
o-Xylene				0.005 U					0.005 U	
Styrene				0.005 U					0.005 U	
Tetrachloroethene				0.005 U					0.005 U	
Toluene				0.005 U					0.005 U	
trans-1,2-Dichloroethene				0.005 U					0.005 U	
trans-1,3-Dichloropropene				0.005 U					0.005 U	
trans-1,4-Dichloro-2-butene				0.005 U					0.005 U	
Trichloroethene				0.005 U					0.005 U	
Trichlorofluoromethane				0.005 U					0.005 U	
Vinyl acetate				0.01 UJ					0.01 UJ	
Vinyl chloride				0.005 U					0.005 U	

Wet Chemistry

Alkalinity	396	400	403	408	376	390		390	428	414
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.031 J	0.05 U
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	2 U	2 U		2 U	2 U	2 U
Bromide	1 U	1 U	1 U	1 U	0.8 J	1 U		1 U	1 U	1 U
Chemical Oxygen Demand	12.8	24.2	18.1	26	20	5 U	12.8	60.6	8.5	5.4
Chloride	101	101	98.7	103	96.6	2.9		2.7	2.5	2.8
Color (True) (C.U.)				14					23	
Cyanide				0.01 U					0.01 U	
Hardness	565	540	589	610	600	2130	2120	2180	2220	2180
Nitrate Nitrogen	1.1	1.5	0.8 J	0.8 J	0.7 J	1 U		1 U	1 U	1 U
pH of Color Analysis				7.27 *					7.56 *	
Sulfate	147	141	134	149	138	2130		1850	1850	1890
Total Dissolved Solids	831	772	822	902	734	3050		2930	3070	2980
Total Kjeldahl Nitrogen	0.64 B	0.57 B	0.47	0.71 B	0.56	0.34 B	0.3	0.12 J	0.52 B	0.28
Total Organic Carbon (TOC)	8.4	7.7	11.5	13.2	7.8	2.8	2.2	25.5	8.5	2
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.0021 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-37A 8/9/2016	MW-37A 11/7- 8/2016	MW-37A 4/21- 5/8/2017	MW-37A 8/9/2017	MW-37A 11/6- 7/2017	MW-40A 8/9- 10/2016	MW-40A 4/20/2017	MW-40A 8/9- 10/2017	MW-40A 11/6/2017
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Field Parameters

Depth to Groundwater (ft)	31.94	32.4	32.59	33.46	34.28	34.5	32.5	33.41	34.5
Dissolved Oxygen									
Field pH (std. units)	7.11	7.18	7.12	7.07	7.29	7.01	6.88	6.79	7.05
ORP (mV)	180.7	184.6	181.8	65.3	193.2	141.6	166.1	92.7	224.6
Specific Conductivity (us/cm)	1667	1474	1630	1560	1432	2347	2176	2184	1966
Temperature (deg. C)	14.8	14.3	12.7	13.4	10.7	16.8	13.5	14.9	10.7
Turbidity (NTU)	13.5	24.3	3.56	11.5	9.8	174	4.24	41.6	246

Inorganic Compounds

Aluminum				0.862				2.92	
Antimony				0.06 U				0.06 U	
Arsenic				0.01 U				0.0038 J	
Barium				0.0148 J				0.0286	
Beryllium				0.003 U				0.003 U	
Boron				0.129 J				0.157 J	
Cadmium	0.005 U	0.0005 J	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	
Calcium	247	229	246	244	228		258	341	
Chromium				0.01 U				0.0034 J	
Chromium, hexavalent				0.01 U				0.01 U	
Cobalt				0.05 U				0.05 U	
Copper				0.02 U				0.02 U	
Iron	0.27	4.15	0.04 J	0.762	0.31		0.43	2.84	
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U		0.05 U	0.05 U	
Magnesium	83	79.6	89.6	86.1	80.9		172	164	
Manganese	0.01 BJ	0.345	0.003 J	0.015	0.01 U		0.047	0.154	
Mercury				0.0002 U				0.0002 U	
Nickel				0.04 U				0.04 U	
Potassium	11.9	14.2	13.1	12.9	12.4		11.4	11.9	
Selenium				0.01 U				0.01 U	
Silver				0.01 U				0.01 U	
Sodium	42.6	44.9	45.5	44	43.8		64	60	
Thallium				0.01 U				0.0064 J	
Vanadium				0.05 U				0.0051 J	
Zinc				0.02 U				0.0098 J	

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane				0.005 U				0.005 U	
1,1,1-Trichloroethane				0.005 U				0.005 U	
1,1,2,2-Tetrachloroethane				0.005 U				0.005 U	
1,1,2-Trichloroethane				0.005 U				0.005 U	
1,1-Dichloroethane				0.005 U				0.005 U	
1,1-Dichloroethene				0.005 U				0.005 U	
1,2,3-Trichloropropane				0.005 U				0.005 U	
1,2-Dibromo-3-chloropropane				0.005 U				0.005 U	
1,2-Dibromoethane				0.005 U				0.005 U	
1,2-Dichlorobenzene				0.005 U				0.005 U	
1,2-Dichloroethane				0.005 U				0.005 U	
1,2-Dichloropropane				0.005 U				0.005 U	
1,4-Dichlorobenzene				0.005 U				0.005 U	
2-Butanone (MEK)				0.01 U				0.01 U	
2-Hexanone				0.01 U				0.01 U	
4-Methyl-2-pentanone				0.01 U				0.01 U	

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-37A 8/9/2016	MW-37A 11/7- 8/2016	MW-37A 4/21- 5/8/2017	MW-37A 8/9/2017	MW-37A 11/6- 7/2017	MW-40A 8/9- 10/2016	MW-40A 4/20/2017	MW-40A 8/9- 10/2017	MW-40A 11/6/2017
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Volatile Organic Compounds (con't)

Acetone				0.01 U				0.01 U	
Acrylonitrile				0.1 U				0.1 U	
Benzene				0.005 U				0.005 U	
Bromochloromethane				0.005 U				0.005 U	
Bromodichloromethane				0.005 U				0.005 U	
Bromoform				0.005 U				0.005 U	
Bromomethane				0.005 U				0.005 U	
Carbon disulfide				0.01 U				0.01 U	
Carbon tetrachloride				0.005 U				0.005 U	
Chlorobenzene				0.005 U				0.005 U	
Chloroethane				0.005 U				0.005 U	
Chloroform				0.005 U				0.005 U	
Chloromethane				0.005 U				0.005 U	
cis-1,2-Dichloroethene				0.005 U				0.005 U	
cis-1,3-Dichloropropene				0.005 U				0.005 U	
Dibromochloromethane				0.005 U				0.005 U	
Dibromomethane				0.005 U				0.005 U	
Dichloromethane (Methylene chloride)				0.005 U				0.005 U	
Ethyl benzene				0.005 U				0.005 U	
Iodomethane				0.01 UJ				0.01 UJ	
m&p-Xylene				0.005 U				0.005 U	
o-Xylene				0.005 U				0.005 U	
Styrene				0.005 U				0.005 U	
Tetrachloroethene				0.005 U				0.005 U	
Toluene				0.005 U				0.005 U	
trans-1,2-Dichloroethene				0.005 U				0.005 U	
trans-1,3-Dichloropropene				0.005 U				0.005 U	
trans-1,4-Dichloro-2-butene				0.005 U				0.005 U	
Trichloroethene				0.005 U				0.005 U	
Trichlorofluoromethane				0.005 U				0.005 U	
Vinyl acetate				0.01 UJ				0.01 UJ	
Vinyl chloride				0.005 U				0.005 U	

Wet Chemistry

Alkalinity	381	358	390	375	357		409	404	
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.0067
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	2 U		2 U		
Bromide	1 U	1 U	1 U	1 U	1 U		1 U	1 U	
Chemical Oxygen Demand	5 U	5 U	5 U	6.4	5 U	5 U	5 U	5 U	5.8
Chloride	1.6 J	2.3	1.6 J	1.3 J	1.6 J		2.8	2.6	
Color (True) (C.U.)				11				4	
Cyanide				0.01 U				0.01 U	
Hardness	960	900	984	963	903		1350	1530	
Nitrate Nitrogen	1 U	1 U	1 U	1 U	1 U		1 U	0.5 J	
pH of Color Analysis				7.72 *				7.61 *	
Sulfate	695	647	687	660	628		1080	1220	
Total Dissolved Solids	1360	1240	1370	1430	1240		2200	2240	
Total Kjeldahl Nitrogen	0.26 B	0.17 BJ	0.13 J	0.28 B	0.19 J	0.33 B	0.2 U	0.29 B	0.67
Total Organic Carbon (TOC)	1.2	0.9 J	0.9 BJ	5.6	0.8 J		4.3	6.1	
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U		0.005 U	0.005 U	

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-41A 8/9- 15/2016	MW-41A 11/7- 8/2016	MW-41A 4/21- 25/2017	MW-41A 8/9- 10/2017	MW-41A 11/7- 8/2017	MW-47A 8/15/2016	MW-47A 11/9/2016	MW-47A 5/8/2017	MW-47A 8/10/2017	MW-47A 11/8/2017
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Field Parameters

Depth to Groundwater (ft)	55.75	56.23	55.48	54.97	55.67	27.39	29.43	31.04	27.29	30.06
Dissolved Oxygen						4.58	6.45	1.57	0.55	1.47
Field pH (std. units)	7.05	6.89	6.84	6.97	7.03	7.17	7.23	7.15	7.19	7.26
ORP (mV)	138.5	241.9	141.8	85.2	108.4	-190.6	-99.3	-100.4	11.9	-136.3
Specific Conductivity (us/cm)	3605	3331	3408	3451	3294	1540	1435	1402	1433	1410
Temperature (deg. C)	17.7	13.9	14.2	15.9	12.1	18	6.7	8.4	19.7	6.2
Turbidity (NTU)	551	8.97	19.9	2.67	3.05	7.82	18.6	6.96	3.59	1.74

Inorganic Compounds

Aluminum				0.445					0.1 U	
Antimony				0.06 U					0.06 U	
Arsenic	0.006 J			0.01 U					0.01 U	
Barium				0.0149 J					0.0185 J	
Beryllium				0.003 U					0.003 U	
Boron				0.176 J					0.096 J	
Cadmium	0.0008 J	0.0005 J	0.005 U	0.005 U	0.005 U	0.005 U	0.001 BJ	0.005 U	0.005 U	0.005 U
Calcium	639	612	636	639	626	238	232	229	227	220
Chromium				0.01 U					0.01 U	
Chromium, hexavalent				0.01 U					0.01 U	
Cobalt				0.05 U					0.05 U	
Copper				0.02 U					0.02 U	
Iron	15	0.11 B	0.88	0.419	0.1 U	1.29	1.24	0.28	0.256	1.5
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Magnesium	223	227	242	247	248	69.5	69.1	71.7	72	74.4
Manganese	0.618	0.01 J	0.045	0.0223	0.016	6.37	1.05	0.304	0.827	1.19
Mercury				0.0002 U					0.0002 U	
Nickel				0.04 U					0.04 U	
Potassium	16.9	17	15.8	15.5	15.7	6.6	7.1	6.6	6.82	6.6
Selenium				0.01 U					0.01 U	
Silver				0.01 U					0.01 U	
Sodium	110	114	118	117	119	49.3	53.4	50.5	51.6	50.6
Thallium				0.0182					0.01 U	
Vanadium				0.05 U					0.05 U	
Zinc				0.02 U					0.0707	

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane				0.005 U					0.005 U	
1,1,1-Trichloroethane				0.005 U					0.005 U	
1,1,2,2-Tetrachloroethane				0.005 U					0.005 U	
1,1,2-Trichloroethane				0.005 U					0.005 U	
1,1-Dichloroethane				0.005 U					0.005 U	
1,1-Dichloroethene				0.005 U					0.005 U	
1,2,3-Trichloropropane				0.005 U					0.005 U	
1,2-Dibromo-3-chloropropane				0.005 U					0.005 U	
1,2-Dibromoethane				0.005 U					0.005 U	
1,2-Dichlorobenzene				0.005 U					0.005 U	
1,2-Dichloroethane				0.005 U					0.005 U	
1,2-Dichloropropane				0.005 U					0.005 U	
1,4-Dichlorobenzene				0.005 U					0.005 U	
2-Butanone (MEK)				0.01 U					0.01 U	
2-Hexanone				0.01 U					0.01 U	
4-Methyl-2-pentanone				0.01 U					0.01 U	

Table 8

Current and Historic Overburden Well Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-41A 8/9- 15/2016	MW-41A 11/7- 8/2016	MW-41A 4/21- 25/2017	MW-41A 8/9- 10/2017	MW-41A 11/7- 8/2017	MW-47A 8/15/2016	MW-47A 11/9/2016	MW-47A 5/8/2017	MW-47A 8/10/2017	MW-47A 11/8/2017
Volatile Organic Compounds (con't)										
Acetone				0.01 U					0.01 U	
Acrylonitrile				0.1 U					0.1 U	
Benzene				0.005 U					0.005 U	
Bromochloromethane				0.005 U					0.005 U	
Bromodichloromethane				0.005 U					0.005 U	
Bromoform				0.005 U					0.005 U	
Bromomethane				0.005 U					0.005 U	
Carbon disulfide				0.01 U					0.01 U	
Carbon tetrachloride				0.005 U					0.005 U	
Chlorobenzene				0.005 U					0.005 U	
Chloroethane				0.005 U					0.005 U	
Chloroform				0.005 U					0.005 U	
Chloromethane				0.005 U					0.005 U	
cis-1,2-Dichloroethene				0.005 U					0.005 U	
cis-1,3-Dichloropropene				0.005 U					0.005 U	
Dibromochloromethane				0.005 U					0.005 U	
Dibromomethane				0.005 U					0.005 U	
Dichloromethane (Methylene chloride)				0.005 U					0.005 U	
Ethyl benzene				0.005 U					0.005 U	
Iodomethane				0.01 U					0.01 U	
m&p-Xylene				0.005 U					0.005 U	
o-Xylene				0.005 U					0.005 U	
Styrene				0.005 U					0.005 U	
Tetrachloroethene				0.005 U					0.005 U	
Toluene				0.005 U					0.005 U	
trans-1,2-Dichloroethene				0.005 U					0.005 U	
trans-1,3-Dichloropropene				0.005 U					0.005 U	
trans-1,4-Dichloro-2-butene				0.005 U					0.005 U	
Trichloroethene				0.005 U					0.005 U	
Trichlorofluoromethane				0.005 U					0.005 U	
Vinyl acetate				0.01 U					0.01 U	
Vinyl chloride				0.005 U					0.005 U	

Wet Chemistry

Alkalinity	372		370	376	382	279	260	258	256	262
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.717	0.05 U	0.05 U	0.086	0.094
Biochemical Oxygen Demand	6 U		2 U	2 U	2 U	2.4	2 U	2 U	2 U	2 U
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chemical Oxygen Demand	5 U	8.1	4.7 J	11.4	6.8	18.1	12.8	11.1	5 U	4.7 J
Chloride	3.1	3.8	3.1	2	3.1	2.6	4.4	2.6	9.4	2.6
Color (True) (C.U.)				13				7		
Cyanide				0.007 J					0.01 U	
Hardness	2510	2460	2580	2610	2590	881	865	866	863	856
Nitrate Nitrogen	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	0.6 J	1 U	1 U
pH of Color Analysis				7.59 *					7.19	
Sulfate	2270	2390	2250	2370	2390	710	686	679	47.5	728
Total Dissolved Solids	3790	3260	3420	3940	3500	1370	1220	1190	1310	1180
Total Kjeldahl Nitrogen	0.68 B	0.2 B	0.13 J	0.33 B	0.13 J	0.71	0.34	0.32	0.42 B	0.23
Total Organic Carbon (TOC)	3	2.4	2.7 B	6.5	2	3.6	2.1	4	5.5	1.7
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

Notes:

U - Concentration not detected at specified detection limit

J/U/J/B/J - Estimated value

N - Matrix spike recovery was outside laboratory limits.

* - Denotes analysis was performed outside holding time.

100	Parameter exceeds Class GA Std but is below EWQV
100	Parameter exceeds both EWQV (mean) and Class GA Std
100	Parameter exceeds EWQV plus three std deviations
100	Parameter exceeds the above criteria

Table 8 Continued

**Groundwater Pre-Operational Water Quality Data
and NYSDEC Water Quality Standards**

**Hyland Facility
Angelica, New York
(mg/L except where noted)**

Parameter	Overburden Well Pre-Operational Water Quality Data			Class GA Standard
	Mean	Standard Deviation	Mean +3 Standard Deviations	

Field Parameters

Field pH (std. units) Lower limit	7.27	0.32	6.31	6.5 - 8.5
Field pH (std. units) Upper limit	NM	NM	NM	NM
ORP (mV)	47.8	131	440	
Specific Conductivity (us/cm)	2004	891	4678	
Turbidity (NTU)	118	215	762	5

Inorganic Compounds

Aluminum	2.41/10.3	6.73/20.7	22.6/72.5	
Antimony	0.0103/0.0088	0.0066/0.0047	0.0299/0.0228	0.003
Arsenic	0.007/0.008	0.006/0.006	0.023/0.024	0.025
Barium	0.038/0.155	0.035/0.142	0.144/0.582	1
Beryllium	0.0015/0.0015	0.0002/0.0001	0.0021/0.0019	
Boron	0.23/0.279	0.06/0.169	0.39/0.786	1
Cadmium	0.002/0.0024	0.001/0.0005	0.004/0.0039	0.005
Calcium	261/277	140/148	682/722	
Chromium	0.0056/0.0154	0.0111/0.023	0.0388/0.0846	0.05
Chromium, hexavalent	0.006/0.008	0.004/0.005	0.018/0.021	
Cobalt	0.012/0.02	0.006/0.01	0.028/0.05	
Copper	0.01/0.0221	0.008/0.0211	0.035/0.0854	0.2
Iron	3.33/5	7.32/3.65	25.3/16	0.3
Lead	0.003/0.005	0.003/0.0055	0.012/0.0215	0.025
Magnesium	90.3/105	56.5/57.6	260/278	
Manganese	0.88/1.36	0.84/1.5	3.4/5.86	0.3
Mercury	0.0001/0.0001	0/0	0.0001/0.0001	0.0007
Nickel	0.02/0.03	0.014/0.029	0.06/0.116	0.1
Potassium	17.7/19.4	11.2/9.59	51.3/48.2	
Selenium	0.0036/0.0028	0.0048/0.0016	0.018/0.0077	0.01
Silver	0.005/0.005	0.002/0	0.01/0.005	0.05
Sodium	76.7/80.9	41.8/53.1	202/240	20
Thallium	0.004/0.0074	0.002/0.006	0.009/0.0254	
Tin	0.3/0.4	0.2/0.1	0.9/0.6	
Vanadium	0.017/0.024	0.01/0.02	0.047/0.083	
Zinc	0.033/0.092	0.041/0.118	0.156/0.445	

Wet Chemistry

Alkalinity	266	71.5	480	
Ammonia Nitrogen	0.22	0.09	0.49	2
Biochemical Oxygen Demand	2.3	1.8	7.7	
Bromide	0.7	0.4	1.9	
Chemical Oxygen Demand	9.2	3.1	19	
Chloride	5.4	4.78	19.7	250
Color (True) (C.U.)	90	108	413	15
Cyanide	0.005	0.001	0.007	0.2
Hardness	1010	579	2746	
Nitrate Nitrogen	0.24	0.443	1.57	10
Sulfate	1023	947	3864	250
Sulfide	0.14	0.23	0.84	
Total Dissolved Solids	1475	947	4316	500
Total Kjeldahl Nitrogen	0.67	1.2	4.28	
Total Organic Carbon (TOC)	3.7	3	12.7	
Total Phenolics	0.0032	0.0027	0.0115	0.001

Notes:

Pre-operational data from wells MW-14, MW-19, MW-26, MW-31, MW-36A, MW-37, MW-37A, MW-38, MW-38A, MW-39A, MW-40, MW-40A, MW-41A, MW-42A and MW-47A; with the exception of Tin which is the preceding list of wells plus MW-15, MW-15A, MW-16, MW-17, MW-20, MW-20A, MW-21, MW-21R, MW-21AR, MW-22, MW-23, MW-27, MW-27A, MW-28, MW-28A, MW-29, MW-29A, MW-30, MW-30A, MW-F, MW-G and MW-H.

Table 8A

Current and Historic MW-42A Well Analytical Results Compared to Interim EWQVs
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	MW-42A 5/4 & 5/5/2009	MW-42A 8/11/2009	MW-42A 11/17/2009	MW-42A 2/3/2010	MW-42A 5/10/2010	MW-42A 8/9 & 8/10/2010	MW-42A 11/8 & 11/9/2010	MW-42A 5/4 & 5/5/2011	MW-42A 8/8- 8/10/2011	MW-42A 10/31/2011	MW-42A 5/9 & 5/10/2012	MW-42A 8/8/2012	MW-42A 11/5/2012	MW-42A 5/8 & 5/9/2013	MW-42A 7/31 & 8/1/2013	MW-42A 5/5/2014	MW-42A 8/4/2014
Field Parameters																	
Field pH (std. units)	7.07	7.37	7.2	7.35	6.67	7.78	7.03	6.8	7.05	7.1	6.89	6.91	7.01	6.87	6.95	6.92	6.83
ORP (mV)	61.1	153.5	73.5	213.8	220.3	158.9	166.3	190.8	178.8	226.2	149	182	111.3	208.3	40.9	190.6	198.3
Specific Conductivity (us/cm)	2764	2971	2836	826	2979	2737	2842	2938	3081	2948	2681	2965	2758	3228	3093	3075	3121
Temperature (deg. C)	11.75	15.34	10.22	7.96	10.08	16.82	9.18	11.03	14.94	9.31	12.04	15.98	9.14	12.88	18.34	13.47	13.79
Turbidity (NTU)	312	85.8	19.8	149		201	44.8	1000	5.78	750	52.1	219	90.3	156	1000	261	34.2
Inorganic Compounds																	
Aluminum					3.88				2.65				4.33	25.7			2.29
Antimony					0.0025				0.0025				0.00115	0.001			0.004
Arsenic					0.00501				0.0025				0.006	0.0182			0.00061
Barium					0.025				0.025				0.0345	0.168			0.0231
Beryllium					0.0015				0.0015				0.0000385	0.000749			0.0000845
Boron					0.25				0.25				0.209	0.178			0.141
Cadmium	0.0025	0.0025	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.000073	0.0000775	0.0025	0.0025	0.000104
Calcium	625	570	545		643	598	569	571	544	549	541	611	548	547	583	556	530
Chromium					0.005				0.005				0.0085	0.0529			0.0005
Chromium, hexavalent									0.005				0.005	0.015			
Cobalt					0.01				0.01				0.0014	0.015			0.00033
Copper					0.005				0.005				0.0109	0.031			0.0076
Iron	20.6	3.2	1.12		8.24	10.3	2.77	43.9	5.67	30.5	47.4	117	7.44	39	59.8	9.31	3.28
Lead	0.0015	0.0015	0.0015		0.0015	0.0034	0.0015	0.012	0.0015	0.00951	0.0139	0.0334	0.002	0.0129	0.0101	0.0025	0.0004035
Magnesium	171	157	169		186	186	175	195	159	138	169	175	172	182	184	194	188
Manganese	2.41	1.45	0.849		0.765	0.989	0.3	1.58	0.324	1.78	2.61	4.6	0.495	1.58	1.16	0.361	0.17
Mercury					0.0001				0.0001				0.000013	0.000016			0.000012
Nickel					0.015				0.015				0.00095	0.0308			0.0019
Potassium	41.1	34.2	33.4		36.5	32.6	31.9	38	31.7	31.7	29.5	37.6	20.6	28.3	30.7	22.8	20.9
Selenium					0.0015				0.0015				0.0005	0.0023			0.001
Silver					0.005				0.005				0.0006	0.003			0.0001925
Sodium	134	130	131		138	130	132	127	119	114	109	115	99.9	110	106	110	102
Thallium					0.0015				0.0015				0.0018	0.00165			0.0009
Tin																	
Vanadium					0.015				0.015				0.0076	0.0364			0.0025
Zinc					0.005				0.101				0.216	0.401			0.265
Wet Chemistry																	
Alkalinity	250							340	340	280	328		328				
Ammonia Nitrogen	0.25				0.25		0.25	0.25	0.25	0.25	0.025	0.25	0.025	0.015	0.017	0.011	
Biochemical Oxygen Demand	4					2		2	2	2	1		0.5				
Bromide	10					0.8		40	4	4	0.5		5.1	0.5	0.5	0.5	
Chemical Oxygen Demand	10				10		10	10	10	36	2.5	5.7	4.3	4.3	2.5	2.5	
Chloride	6.27					5.75		5.77	4.65	5.39	5.6		0.005	3.7	4.3	4	
Color (True) (C.U.)									120					95			75
Cyanide					0.005				0.005					0.005			0.005
Hardness	2270	2070	2060		2370	2260	2140	2230	2070	1940	2060	2120	2050		2220	2210	2280
Nitrate Nitrogen	0.1					0.056		0.025	0.214	0.025	0.5		0.5	0.5	0.5	0.5	
Sulfate	4110					2350		2940	2670	1820	2070		1880	2000	2170	1980	
Sulfide																	
Total Dissolved Solids	2900					3700		2600	2500	2900	3090		3160	3170	3250	3280	
Total Kjeldahl Nitrogen	0.25				0.25		0.25	0.25	0.536	1.32	0.1	0.11	1.01	0.33	0.44	0.15	
Total Organic Carbon (TOC)	1.5	1.5		1.5	4.3	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.4		1.2	1.3
Total Phenolics	0.0025							0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025		0.0025	0.0025

Table 8A

Current and Historic MW-42A Well Analytical Results Compared to Interim EWQVs
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-42A 11/3/2014	MW-42A 5/5/2015	MW-42A 8/5/2015	MW-42A 11/3/2015	MW-42A 5/18- 19/2016	MW-42A 8/9-11/2016	MW-42A 11/7-14/2016	MW-42A 4/21/2017	MW-42A 8/9/2017	MW-42A 11/7/2017	Number of Samples	Minimum	Maximum	Mean	Standard Deviation	Mean +3 Standard Deviations	Class GA Standard
Field Parameters																	
Field pH (std. units)	8.09	6.97	7.29	7.41	6.92	6.95	6.96	6.97	6.87	7.02	37	6.51	9.72	7.52	0.77	9.84	6.5 - 8.5
ORP (mV)	176.3	141.6	106.2	28.2	99.6	38.4	66.2	129.8	-141.9	-114.4	33	-78.9	285.7	90.4	106.2	409.0	
Specific Conductivity (us/cm)	3159	3435	3183	3240	3224	3295	1593	3115	3236	3061	37	826	3245	2731	550	4382	
Temperature (deg. C)	10.62	15.7	14.22	13.83	13.7	14.3	13.8	13.6	13.6	8.9	37	5.93	17.24	10.86	3.22	20.51	
Turbidity (NTU)	13.2	243	132	148	21.5	21.8	23.2	36.6	17	21.9	35	7.41	1000	258	345	1293	5

Inorganic Compounds																	
Aluminum				2.33	0.513				0.752		13	0.05	37.1	15.84	13.95	57.69	
Antimony				0.00085	0.0025				0.03		13	0.0025	0.015	0.00917	0.005	0.024	0.003
Arsenic				0.00055	0.00245				0.005		13	0.005	0.0357	0.013	0.012	0.050	0.025
Barium				0.0208	0.0096				0.0174		13	0.025	0.288	0.117	0.111	0.451	1.0
Beryllium				0.00006	0.00006				0.0015		13	0.0015	0.0015	0.002	0.000	0.002	
Boron				0.142	0.145				0.152		13	0.25	0.573	0.354	0.162	0.840	1.0
Cadmium	0.0025	0.0025	0.0025	0.00006	0.000098	0.0025	0.0004	0.0002	0.0025		33	0.0025	0.00679	0.003	0.001	0.007	0.005
Calcium	572	552	562	631	591	566	597	598	606		33	383	643	525	76	753	
Chromium				0.0061	0.000135				0.005		13	0.0025	0.106	0.045	0.040	0.166	0.05
Chromium, hexavalent											4	0.25	0.25	0.25	#DIV/0!	#DIV/0!	
Cobalt				0.0016	0.00055				0.0057		13	0.01	0.0367	0.017	0.011	0.052	
Copper				0.0068	0.0003095				0.01		13	0.005	0.0619	0.028	0.023	0.097	0.2
Iron	0.97	12.9	8.5	5.95	0.902	1.2	0.57	8.45	3.25		33	0.139	84.7	24.82	27.28	106.7	0.3
Lead	0.025	0.004	0.025	0.0079	0.00105	0.025	0.025	0.025	0.025		33	0.0015	0.026	0.004	0.007	0.026	0.025
Magnesium	182	173	190	177	185	179	175	189	193		33	89.7	186	141	28.6	227	
Manganese	0.082	0.326	0.357	0.472	0.0378	0.24	0.067	0.418	22.2		33	0.765	3.5	2.34	0.89	5.01	0.3
Mercury				0.00002	0.00002				0.0001		13	0.0001	0.0001	0.0001	0	0.0001	0.0007
Nickel				0.0049	0.00055				0.0145		13	0.015	0.0721	0.0339	0.0237	0.105	0.1
Potassium	18.9	22.3	23.5	23.6	18.3	17.6	21.7	21.9	22.4		33	33.2	44.6	38.0	4.35	51.0	
Selenium				0.002	0.0116				0.0073		13	0.0015	0.005	0.003	0.0013	0.007	0.01
Silver				0.00027	0.0002315				0.005		13	0.005	0.005	0.01	0.00	0.01	0.05
Sodium	105	105	99.1	106	103	100	102	105	105		33	103	138	120	11.78	155	20
Thallium				0.0008	0.0143				0.0166		13	0.0015	0.005	0.00442	0.00	0.009	
Tin											1	0.15	0.15	0.15	#DIV/0!	#DIV/0!	
Vanadium				0.0032	0.0004545				0.025		13	0.015	0.051	0.025	0.015	0.071	
Zinc				0.103	0.0494				0.089		13	0.005	0.172	0.071	0.066	0.270	

Wet Chemistry																	
Alkalinity		355									11	210	270	240	22	307	
Ammonia Nitrogen		0.025	0.025		0.025	0.103	0.025	0.025		0.281	22	0.25	0.25	0.25	0	0.25	2
Biochemical Oxygen Demand		1				3					11	2	12	6	5.292	21.87	
Bromide	0.5	0.5				0.5	0.5	0.5		0.5	18	1	10	7	5.196	22.59	
Chemical Oxygen Demand		2.5	2.5		2.5	2.5	6.5	2.5		12.4	22	10	10	10	0	10	
Chloride	3.9	3.8				3.5	4.4	3.5		3.7	18	6.17	11.4	7.95	2.991	16.92	250
Color (True) (C.U.)				40							5	1250	1250	1250	#DIV/0!	#DIV/0!	15
Cyanide											5	0.000005	0.005	0.0025025	0.004	0.013	0.2
Hardness	2350	2210	2180	2300	2240	2150	2210	2270	2310		32	1330	2370	1893	304	2805	
Nitrate Nitrogen	0.5	0.5				0.5	0.5	0.5		0.5	18	0.1	0.1	0.1	1.69967E-17	0.1	10
Sulfate	1900	1970				2050	2080	2060		2060	17	454	4110	2282	2585	10038	250
Sulfide											0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	
Total Dissolved Solids	3260	3280				3070	3140	3140		3280	17	2110	2900	2505	559	4181	500
Total Kjeldahl Nitrogen		0.49	0.1		0.13	0.37	0.3	0.54		0.77	22	0.25	0.25	0.25	0	0.25	
Total Organic Carbon (TOC)	1.3	1.4	1.2		1.8	1.7		1.6		2.1	28	1.5	8	2.72	2.20	9.32	
Total Phenolics	0.0025	0.0025	0.0025		0.0025	0.0025		0.0025		0.0025	18	0.0025	0.0025	0.0025	0	0.0025	0.001

Notes:

- 1) One-half detection limit utilized for non-detected results
- 2) #DIV/0 - Insufficient data to calculate
- 3) MW-42A data from July 2007 to May 2010 utilized in EWQV calculations
- 4) The sample count is from July 2007 to current

100	- parameter exceeds the Class GA Standard but is below the EWQV
100	- parameter exceeds both the EWQV (mean) and the Class GA Standard
100	- parameter exceeds the EWQV (mean) plus three standard deviations
100	- parameter exceeds both the above criteria

Table 8B

Current and Historic MW-42A Well Analytical Results Compared to EWQVs

Hyland Facility

Angelica, New York

(mg/L except where noted)

Parameter	MW-42A 8/9- 11/2016	MW-42A 11/7- 14/2016	MW-42A 4/21/2017	MW-42A 8/9/2017	MW-42A 11/7/2017
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Field Parameters

Depth to Groundwater (ft)	65.48	65.95	65.36	65.27	65.49
Field pH (std. units)	6.95	6.96	6.97	6.87	7.02
ORP (mV)	38.4	66.2	129.8	-141.9	-114.4
Specific Conductivity (us/cm)	3295	1593	3115	3236	3061
Temperature (deg. C)	14.3	13.8	13.6	13.6	8.9
Turbidity (NTU)	21.8	23.2	36.6	17	21.9

Inorganic Compounds

Aluminum				0.752	
Antimony				0.06 U	
Arsenic				0.01 U	
Barium				0.0174 J	
Beryllium				0.003 U	
Boron				0.152 J	
Cadmium	0.005 U	0.0004 J	0.0002 J	0.005 U	
Calcium	566	597	598	606	
Chromium				0.01 U	
Cobalt				0.0057 J	
Copper				0.02 U	
Iron	1.2	0.57	8.45	3.25	
Lead	0.05 U	0.05 U	0.05 U	0.05 U	
Magnesium	179	175	189	193	
Manganese	0.24	0.067	0.418	22.2	
Mercury				0.0002 U	
Nickel				0.0145 J	
Potassium	17.6	21.7	21.9	22.4	
Selenium				0.0073 J	
Silver				0.01 U	
Sodium	100	102	105	105	
Thallium				0.0166	
Vanadium				0.05 U	
Zinc				0.089	

Volatile Organic Compounds

1,1,1,2-Tetrachloroethane				0.005 U	
1,1,1-Trichloroethane				0.005 U	
1,1,2,2-Tetrachloroethane				0.005 U	
1,1,2-Trichloroethane				0.005 U	
1,1-Dichloroethane				0.005 U	
1,1-Dichloroethene				0.005 U	
1,2,3-Trichloropropane				0.005 U	
1,2-Dibromo-3-chloropropane				0.005 U	

Table 8B

Current and Historic MW-42A Well Analytical Results Compared to EWQVs
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	MW-42A 8/9- 11/2016	MW-42A 11/7- 14/2016	MW-42A 4/21/2017	MW-42A 8/9/2017	MW-42A 11/7/2017
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Volatile Organic Compounds (con't)

1,2-Dibromoethane				0.005 U	
1,2-Dichlorobenzene				0.005 U	
1,2-Dichloroethane				0.005 U	
1,2-Dichloropropane				0.005 U	
1,4-Dichlorobenzene				0.005 U	
2-Butanone (MEK)				0.01 U	
2-Hexanone				0.01 U	
4-Methyl-2-pentanone				0.01 U	
Acetone				0.01 U	
Acrylonitrile				0.1 U	
Benzene				0.005 U	
Bromochloromethane				0.005 U	
Bromodichloromethane				0.005 U	
Bromoform				0.005 U	
Bromomethane				0.005 U	
Carbon disulfide				0.00038 J	
Carbon tetrachloride				0.005 U	
Chlorobenzene				0.005 U	
Chloroethane				0.005 U	
Chloroform				0.005 U	
Chloromethane				0.005 U	
cis-1,2-Dichloroethene				0.005 U	
cis-1,3-Dichloropropene				0.005 U	
Dibromochloromethane				0.005 U	
Dibromomethane				0.005 U	
Dichloromethane (Methylene chloride)				0.005 U	
Ethyl benzene				0.005 U	
Iodomethane				0.01 UJ	
m&p-Xylene				0.005 U	
o-Xylene				0.005 U	
Styrene				0.005 U	
Tetrachloroethene				0.005 U	
Toluene				0.005 U	
trans-1,2-Dichloroethene				0.005 U	
trans-1,3-Dichloropropene				0.005 U	
trans-1,4-Dichloro-2-butene				0.005 U	
Trichloroethene				0.005 U	
Trichlorofluoromethane				0.005 U	
Vinyl acetate				0.01 UJ	
Vinyl chloride				0.005 U	

Table 8B

**Current and Historic MW-42A Well Analytical Results Compared to EWQVs
Hyland Facility
Angelica, New York
(mg/L except where noted)**

Parameter	MW-42A 8/9- 11/2016	MW-42A 11/7- 14/2016	MW-42A 4/21/2017	MW-42A 8/9/2017	MW-42A 11/7/2017
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Wet Chemistry

Ammonia Nitrogen	0.103	0.05 U	0.05 U		0.281
Biochemical Oxygen Demand	6 U				
Bromide	1 U	1 U	1 U		1 U
Chemical Oxygen Demand	5 U	6.5	5 U		12.4
Chloride	3.5	4.4	3.5		3.7
Hardness	2150	2210	2270	2310	
Nitrate Nitrogen	1 U	1 U	1 U		1 U
Sulfate	2050	2080	2060		2060
Total Dissolved Solids	3070	3140	3140		3280
Total Kjeldahl Nitrogen	0.37 B	0.3 B	0.54		0.77
Total Organic Carbon (TOC)	1.7		1.6 B		2.1
Total Phenolics	0.005 U		0.005 U		0.005 U

Notes:

U - Concentration not detected at specified detection limit

J/UJ/BJ - Estimated value

N - Matrix spike recovery was outside laboratory limits.

E - Concentration is estimated serial dilution outside control limits.

* - Denotes analysis was performed outside holding time.

100	Parameter exceeds Class GA Std but is below EWQV
100	Parameter exceeds both EWQV and Class GA Std
100	Parameter exceeds EWQV plus three std deviations
100	Parameter exceeds the above criteria

Table 9

Current and Historic Surface Water Analytical Results
Hyland Facility
Angelica, New York
(mg/L except where noted)

Parameter	DB-1 11/8/2016	DB-1 4/19/2017	DB-2 11/8/2016	DB-2 11/9/2017	DB-3 11/8/2016	DB-3 4/19/2017	DB-3 11/9/2017	TBC-4 8/8/2016	TBC-4 11/8/2016	TBC-4 4/19/2017	Class C Standard
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Field Parameters

Dissolved Oxygen	12.14										Not < 5
Field pH (std. units)	6.95	7.74	7.31	7.76	7.46	7.61	7.27	7.91	7.29	8.41	6.5 - 8.5
ORP (mV)	148.6	210.3	138.7	153.6	147.9	177.2	165.4	105.4	131.2	224.7	
Specific Conductivity (us/cm)	136.4	232.2	312.8	261.1	141.2	267.9	286.5	567	367.4	389.2	
Temperature (deg. C)	8.8	11.1	11.9	6.5	10.1	12.9	5.8	20.5	12.8	12.6	
Turbidity (NTU)	59.1	56	123	272	85.1	66.1	147	4.25	67.9	115	

Inorganic Compounds

Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0002 J	0.005 U	
Calcium	17.3	36.1	42.7	38.6	37.7	40.9	40.9	72.6	50.6	49.7	
Iron	2.49	1.91	4.33	5.45	3.39	2.66	4.57	0.03 BJ	2.8	3.45	
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.008
Magnesium	3.9	7.1	11.6	11.6	9.6	10.3	13	20.9	14.8	21.6	
Manganese	0.04	0.15	0.164	0.174	0.052	0.071	0.087	0.068	0.183	0.365	
Potassium	2.9	2.9	6.3	5.9	4.9	3.9	5.4	4.8	4.7	5.7	
Sodium	2.3	6.2	9	4.3	3.5	5.8	4.3	11.1	7.5	9.8	

Wet Chemistry

Alkalinity	48.8	104	117	105	81.6	106	88	138	116	138	
Ammonia Nitrogen	0.05 U	0.05 U	0.23	0.136	0.05 U	0.05 U	0.037 J	0.05 U	0.271	0.05 U	2
Biochemical Oxygen Demand	2 U	22.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	5.6	
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chemical Oxygen Demand	6.5	7.1	12.8	14	6.5	5.1	10.8	8.1	8.1	20.6	
Chloride	2.7	7	10.1	4.1	4.6	5.7	5.1	19.8	10.8	15.6	
Hardness	60.3	119	158	144	134	144	156	268	187	213	
Nitrate Nitrogen	1 U	1 U	1	0.7 J	0.9 J	1 U	0.6 J	0.8 J	1	1 U	
Sulfate	10.5	18.7	38.5	41.7	66	41.7	73.4	131	82.2	74.8	
Total Dissolved Solids	89	157	256	232	198	199	217	404	252	284	500
Total Kjeldahl Nitrogen	0.33	0.41	0.76	0.93	0.41	0.29	0.54	0.42 B	1	1.03	
Total Organic Carbon (TOC)	3	4.5	5.6	4.6	3.6	4.6	3.2	2.9	3.8	7.9	
Total Phenolics	0.0043 J	0.0026 J	0.0054	0.0041 J	0.004 J	0.0029 J	0.0044 J	0.005 U	0.0046 J	0.0065	

Notes:

Class C Standard - NYSDEC Class C Surface Water Standard

Concentrations in **bold** exceed Class C Standards

U - Concentration not detected at specified detection limit

J/UJ/BJ - Estimated value

E - Concentration is estimated as serial dilution was outside control limit

Table 10

Current and Historic Groundwater Suppression System Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	GSS-1					GSS-2 E/F					GSS-2 G/H					GSS-3				GSS-4			Class GA Standard
	11/9/2016	2/7/2017	4/20/2017	8/17/2017	11/7/2017	11/9/2016	2/6-9/2017	4/19/2017	8/17/2017	11/7/2017	11/9/2016	2/7/2017	4/19/2017	8/17/2017	11/7/2017	11/8/2016	2/6/2017	4/19/2017	11/8/2017	GSS-4 11/8/2016	GSS-4 2/6/2017	GSS-4 4/19/2017	
Field Parameters																							
Field pH (std. units)	7.3	7.19	7	7.54	7.02	7.33	7.33	6.92	7.43	7.13	7	6.98	6.72	7.04	7.02	6.92	7.06	6.91	4.72	6.77	6.87	6.67	6.5 - 8.5
ORP (mV)	-14.8	136.2	100.5	-112.3	130	3.7	54.8	81.7	61.3	49.3	3.6	110.5	117	-65.5	107.2	20.1	5	-32.8	-36	-9.2	9	2.2	
Specific Conductivity (us/cm)	442.5	302	265.3	284	436.9	652	594	772	560	606	1223	1287	1079	1285	1263	725	686	721	743	1642	1560	1507	
Temperature (deg. C)	26.7	16.3	24.3	28.1	18.7	23.8	20.2	24.5	29.1	28	24.2	16.2	9.9	27	20.3	23.2	17.1	22.2	15.7	17.5	14.4	16.8	
Turbidity (NTU)	22.1	58.3	48.3	30.6	123	3.78	1.83	2.42	3.31	1.64	5.21	10.2	3.91	92.8	34.9	1.25	1.41	1.08	35.3	21	34	21.3	5
Inorganic Compounds																							
Aluminum				1.77		0.0865 J	0.03 J	0.06 J	0.295	0.1 U				4.09				0.0496 J	1.08				
Antimony				0.06 U		0.005 U	0.06 U	0.06 U	0.06 U	0.06 U				0.06 U				0.06 U	0.06 U				0.003
Arsenic				0.0046 J		0.0049 U	0.01 U	0.01 U	0.0045 J	0.01 U				0.0823		0.014	0.023	0.0243	0.0204				0.025
Barium				0.0581		0.0437	0.052	0.0905	0.0998	0.0707				0.153				0.0802	0.1				1
Beryllium				0.003 U		0.00012 U	0.003 U	0.003 U	0.003 U	0.003 U				0.003 U				0.003 U	0.003 U				
Boron				0.2 U		0.0828 J	0.04 J	0.0476 J	0.2 U	0.2 U				0.225				0.1 J	0.101 J				1
Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.000196 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0002 J	0.005 U	0.005 U	0.005
Calcium	65.1	48.8	43.5	45.8	71.9	101	87.9	121	127	92.8	182	191	176	208	200	108	92.5	95.3	112	262	255	245	
Chromium				0.01 U		0.0008 J	0.01 U	0.01 U	0.01 U	0.01 U				0.0094 J				0.01 U	0.01 U				0.05
Chromium, hexavalent				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				
Cobalt				0.05 U		0.0011 U	0.05 U	0.05 U	0.05 U	0.05 U				0.0041 J				0.05 U	0.05 U				
Copper				0.0275		0.0089 J	0.005 J	0.0035 J	0.02 U	0.02 U				0.0141 J				0.02 U	0.02 U				0.2
Iron	1.38	1.69	1.57	2.08	4.98	0.39	0.07 J	0.137	1.12	0.0994 J	1.58	2.62	0.98	10.9	1.51	0.27	0.28	0.281	1.38	4.15	3.85	4.33	0.3
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.009 J	0.0031 J	0.05 U	0.005 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.005 U	0.05 U	0.05 U	0.05 U	0.05 U	0.025
Magnesium	14.9	11.2	9.1	9.86	16.9	26.5	21.2	35.5	33.9	24.8	65.9	80.4	60.2	85.2	76.2	34.6	38.8	38.5	42.1	89	87.1	89.3	
Manganese	0.269	0.132	0.094	0.191	0.099	0.138	0.506	0.886	1.32	0.817	1.2	2.07	0.38	1.55	0.559	0.942	1.02	1.04	1.07	4.02	3.65	3.82	0.3
Mercury				0.0002 U		0.00004 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U				0.0002 U				0.0002 U	0.0002 U				0.0007
Nickel				0.04 U		0.0011 U	0.04 U	0.04 U	0.04 U	0.04 U				0.04 U				0.04 U	0.04 U				0.1
Potassium	3.3	3	2.8	2.99	5.7	4.18	3.1	3.96	4.24	3.59	6.7	7.2	6	9.6	7.7	5.6	6.5	6.07	6.7	12	11.4	11.9	
Selenium				0.01 U		0.0046 J	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.01
Silver				0.01 U		0.000463 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.05
Sodium	6.5	4.6	4.1	4.13	8	10.9	6.6	9.33	10.2	7.58	20.4	21.2	30.9	24.2	22.7	11.8	13	12.6	12.8	39.7	36	37.7	20
Thallium				0.01 U		0.0021 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				
Vanadium				0.0034 J		0.000909 U	0.05 U	0.05 U	0.05 U	0.05 U				0.0087 J				0.05 U	0.05 U				
Zinc				0.0185 J		0.0028 J	0.02 U	0.0046 J	0.02 U	0.02 U				0.0364				0.0074 J	0.02 U				
Volatile Organic Compounds																							
1,1,1,2-Tetrachloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,1,1-Trichloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,1,2,2-Tetrachloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,1,2-Trichloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.001
1,1-Dichloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,1-Dichloroethene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,2,3-Trichloropropane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.00004
1,2-Dibromo-3-chloropropane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.00004
1,2-Dibromoethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
1,2-Dichlorobenzene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.003
1,2-Dichloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.0006
1,2-Dichloropropane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.001
1,4-Dichlorobenzene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.003
2-Butanone (MEK)				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.005
2-Hexanone				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.005
4-Methyl-2-pentanone				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.005
Acetone				0.0027 J		0.01 U	0.01 U	0.01 U	0.0033 J	0.01 U				0.004 J				0.01 U	0.01 U				0.005
Acrylonitrile				0.1 U		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U				0.1 U				0.1 U	0.1 U				0.005
Benzene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.001
Bromochloromethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005

Table 10

Current and Historic Groundwater Suppression System Analytical Results
 Hyland Facility
 Angelica, New York
 (mg/L except where noted)

Parameter	GSS-1					GSS-2 E/F					GSS-2 G/H					GSS-3				GSS-4			Class GA Standard
	11/9/2016	2/7/2017	4/20/2017	8/17/2017	11/7/2017	11/9/2016	2/6-9/2017	4/19/2017	8/17/2017	11/7/2017	11/9/2016	2/7/2017	4/19/2017	8/17/2017	11/7/2017	11/8/2016	2/6/2017	4/19/2017	11/8/2017	GSS-4 11/8/2016	GSS-4 2/6/2017	GSS-4 4/19/2017	
Volatile Organic Compounds (con't)																							
Bromodichloromethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Bromoform				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Bromomethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Carbon disulfide				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.005
Carbon tetrachloride				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Chlorobenzene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Chloroethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Chloroform				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.007
Chloromethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
cis-1,2-Dichloroethene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
cis-1,3-Dichloropropene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.0004
Dibromochloromethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Dibromomethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Dichloromethane (Methylene chloride)				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Ethyl benzene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Iodomethane				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.005
m&p-Xylene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
o-Xylene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Styrene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Tetrachloroethene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Toluene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
trans-1,2-Dichloroethene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
trans-1,3-Dichloropropene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.0004
trans-1,4-Dichloro-2-butene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Trichloroethene				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Trichlorofluoromethane				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.005
Vinyl acetate				0.01 UJ		0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U				0.01 UJ				0.01 U	0.01 U				0.005
Vinyl chloride				0.005 U		0.005 U	0.005 U	0.005 U	0.005 U	0.005 U				0.005 U				0.005 U	0.005 U				0.002
Naphthalene							0.005 U																0.005
Wet Chemistry																							
Alkalinity	174	128	118	126	196	281	225	288	221	243	353	397	424	381	362	307	290	308	315	402	396	409	
Ammonia Nitrogen	0.088	0.05 U	0.05 U	0.136	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.036 J	0.34	0.254	0.05 U	1.36	0.05 U	0.083	0.1	0.103	0.075	0.22	0.169	0.181	2
Biochemical Oxygen Demand	2 U	2 U,*	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U,*	2 U	2 U	2 U	2 U	2 U	2 U	2.3	2 U	2 U	2 U	
Bromide	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chemical Oxygen Demand	6.5	6.5	5.1	15	11.4	5 U	5 U	5 U	4.4 J	10.8 J	9.7	4.9 J	7.8	16.6	8.5	5 U	5 U	4.1 J	3.7 J	5 U	5.9	5.8	
Chloride	6.6	5.2	4.8	4.1	23.7	8.3	5	4.9	4	4.4	11.2	7.9	41.9	7.7	9.2	8.9	6.7	6.4	6.5	13.9	13.2	12.7	250
Color (True) (C.U.)				21		7 B	10 B	1 B,*	3	11				16				5 B,*	8				15
Cyanide				0.01 U		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U				0.01 U				0.01 U	0.01 U				0.2
Hardness	224	168	146	155	249	362	307	447	457	334	725	807	688	869	812	411	391	397	452	1020	995	980	
Nitrate Nitrogen	1 U	1 U	1 U	1 U	0.7 J	1	1 U	1 U	1 U	1 U	2	0.9 J	1.9	1.4	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10
pH of Color Analysis				7.77 *		7.23	7.06	8.2 *	7.96 *	7.44 *				7.7 *				8.07 *	7.27				
Sulfate	66.3	43	28.3	30.6	58.8	91.5	89.9	184	123	94.7	415	446	189	538	493	132	117	137	144	693	644	625	250
Total Dissolved Solids	271	209	221	174	297	419	365	570	404	395	950	1000	850	1110	1050	499	470	499	527	1370	1300	1390	500
Total Kjeldahl Nitrogen	0.32	0.22	0.23	0.43	0.37	0.11 J	0.18 J	0.12 J	0.2 J	0.41 J	0.67	0.51	0.3	1.52	0.28	0.24	0.19 J	0.2	0.18 J	0.43	0.33	0.2 J	
Total Organic Carbon (TOC)	3	2.8	3.5	2.8	2.9	2	4.9	2.3	3.6	2.6	3.4	2.9	8.7	3.7	3.2	1.3	6.4	1.4	1.4	1.6	5.9	4.8	
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0019 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.001

Notes:
 Class GA Standard - NYSDEC Class GA Groundwater Standard
 Concentrations in **bold** exceed Class GA Standards
 U - Concentration not detected at specified detection limit
 B - Analyte detected in associated method blank
 J/U/J/B/J - Estimated value
 E - Concentration is estimated due to the serial dilution was outside control limits.
 * - Denotes analysis was performed outside holding time.

Table 11

2017 Residential Water Supply Analytical Results
Hyland Facility
Angelica, New York
(mg/L where noted)

Parameter	Ellwin Gordon CAMP 11/9/2017	Clark Residence 11/9/2017	Ellwin Gordon Residence 11/9/2017	Heath Gordon Residence 11/9/2017	Class GA Standard
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Field Parameters

Field pH (std. units)	7	6.98	7.17	7.37	8.5
ORP (mV)	149.7	75.5	130.8	109.8	
Specific Conductivity (us/cm)	75.9	500.9	287.6	459.9	
Temperature (deg. C)	12	11.3	12.5	11.5	
Turbidity (NTU)	5.88	0.38	0.31	0.24	5

Inorganic Compounds

Cadmium	0.005 U	0.005 U	0.005 U	0.005 U	0.005
Calcium	8.4	57.2	47.3	70.5	
Iron	0.29	0.1 U	0.1 U	0.1 U	0.3
Lead	0.05 U	0.05 U	0.05 U	0.05 U	0.025
Magnesium	3	14.7	8.7	19.2	
Manganese	0.01 U	0.01 U	0.01 U	0.007 J	0.3
Potassium	1.1 J	1.7 J	1.2 J	2.5	
Sodium	1.7	20	4.5	12.4	20

Wet Chemistry

Alkalinity	28.4	126	145	239	
Ammonia Nitrogen	0.05 U	0.05 U	0.05 U	0.05 U	2
Biochemical Oxygen Demand	2 U	2 U	2 U	2 U	
Bromide	1 U	1 U	1 U	1 U	
Chemical Oxygen Demand	7.5	5 U	5 U	5 U	
Chloride	2	77.9	2.2	3.6	250
Hardness	33.5	204	154	255	
Nitrate Nitrogen	1 U	1 U	1 U	1 U	10
Sulfate	7.9	18.1	19.9	43.2	250
Total Dissolved Solids	58	270	181	299	500
Total Kjeldahl Nitrogen	0.09 J	0.22	0.2 U	0.2 U	
Total Organic Carbon (TOC)	1.9	0.4 J	0.2 J	0.2 J	
Total Phenolics	0.005 U	0.005 U	0.005 U	0.005 U	0.001

Notes:

Class GA Standard - NYSDEC Class GA Groundwater Standard

Concentrations in **bold** exceed Class GA Standards

U - Concentration not detected at specified detection limit

J - Estimated value

Table 12

**Fourth Quarter 2017 Field Duplicate Sample Comparison
Hyland Facility
Angelica, New York
(mg/L)**

Parameter	MW34-1117	DUP1-1117
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Inorganic Compounds

Cadmium	0.005 U	0.005 U
Calcium	47.6	47.9
Iron	0.16	0.17
Lead	0.05 U	0.05 U
Magnesium	14.3	14.4
Manganese	0.117	0.118
Potassium	1.4 J	1.4 J
Sodium	74.7	75.4

Wet Chemistry

Alkalinity	252	252
Ammonia Nitrogen	0.253	0.256
Biochemical Oxygen Demand	2 U	2 U
Bromide	1 U	1 U
Chemical Oxygen Demand	5 U	5 U
Chloride	20.8	20.8
Hardness	178	179
Nitrate Nitrogen	0.6 J	1 U
Sulfate	67.1	66.9
Total Dissolved Solids	378	373
Total Kjeldahl Nitrogen	0.34	0.31
Total Organic Carbon (TOC)	0.5 J	0.4 J
Total Phenolics	0.005 U	0.005 U

Notes:

U - Concentration not detected at specified detection limit

J - Estimated value

Table 13

**Fourth Quarter 2017 Equipment Rinsate Blank Analytical Results
Hyland Facility
Angelica, New York
(mg/L)**

Parameter	EB1-1117
------------------	-----------------

Inorganic Compounds

Cadmium	0.005 U
Calcium	1.3
Iron	0.1 U
Lead	0.05 U
Magnesium	1 U
Manganese	0.014
Potassium	2 U
Sodium	0.8 J

Wet Chemistry

Alkalinity	5.6
Ammonia Nitrogen	0.05 U
Biochemical Oxygen Demand	2 U
Bromide	1 U
Chemical Oxygen Demand	5 U
Chloride	2 U
Hardness	6.62 U
Nitrate Nitrogen	1 U
Sulfate	2 U
Total Dissolved Solids	11
Total Kjeldahl Nitrogen	0.2 U
Total Organic Carbon (TOC)	1 U
Total Phenolics	0.005 U

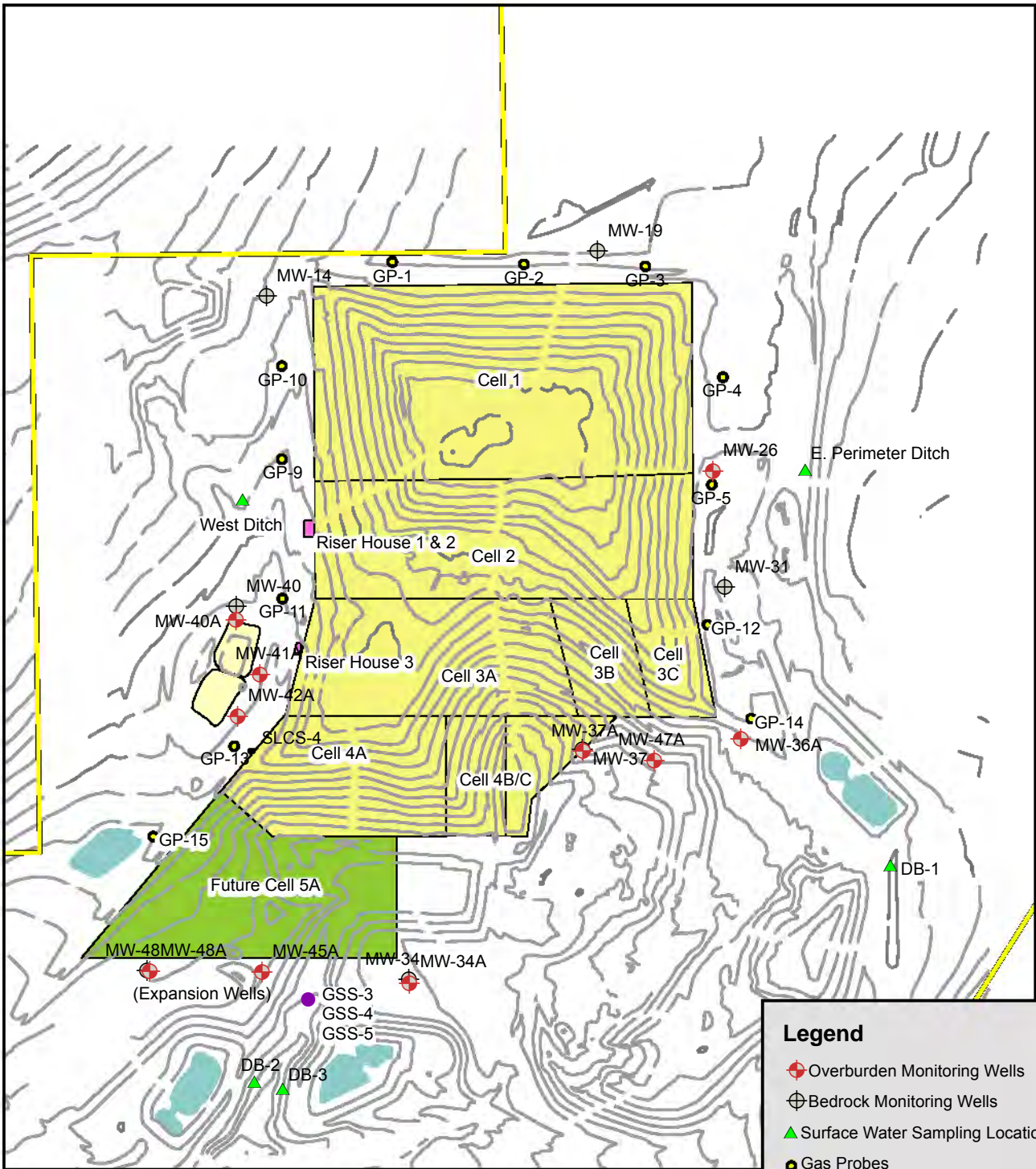
Notes:

U - Concentration not detected at
specific detection limit

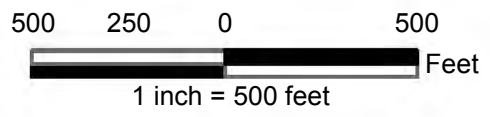
J - Estimated value

Figures

ENVIRONMENTAL MONITORING LOCATIONS



November 2014 Topographic Map
 Riser House 1&2 includes sampling points for Cells 1&2 GSS & SLCS.
 Riser House 3 includes sampling points for Cell 3 SLCS.
 Monitoring Wells MW-34A, MW-45A, MW-48 & MW-48A are Cell 5 expansion wells.



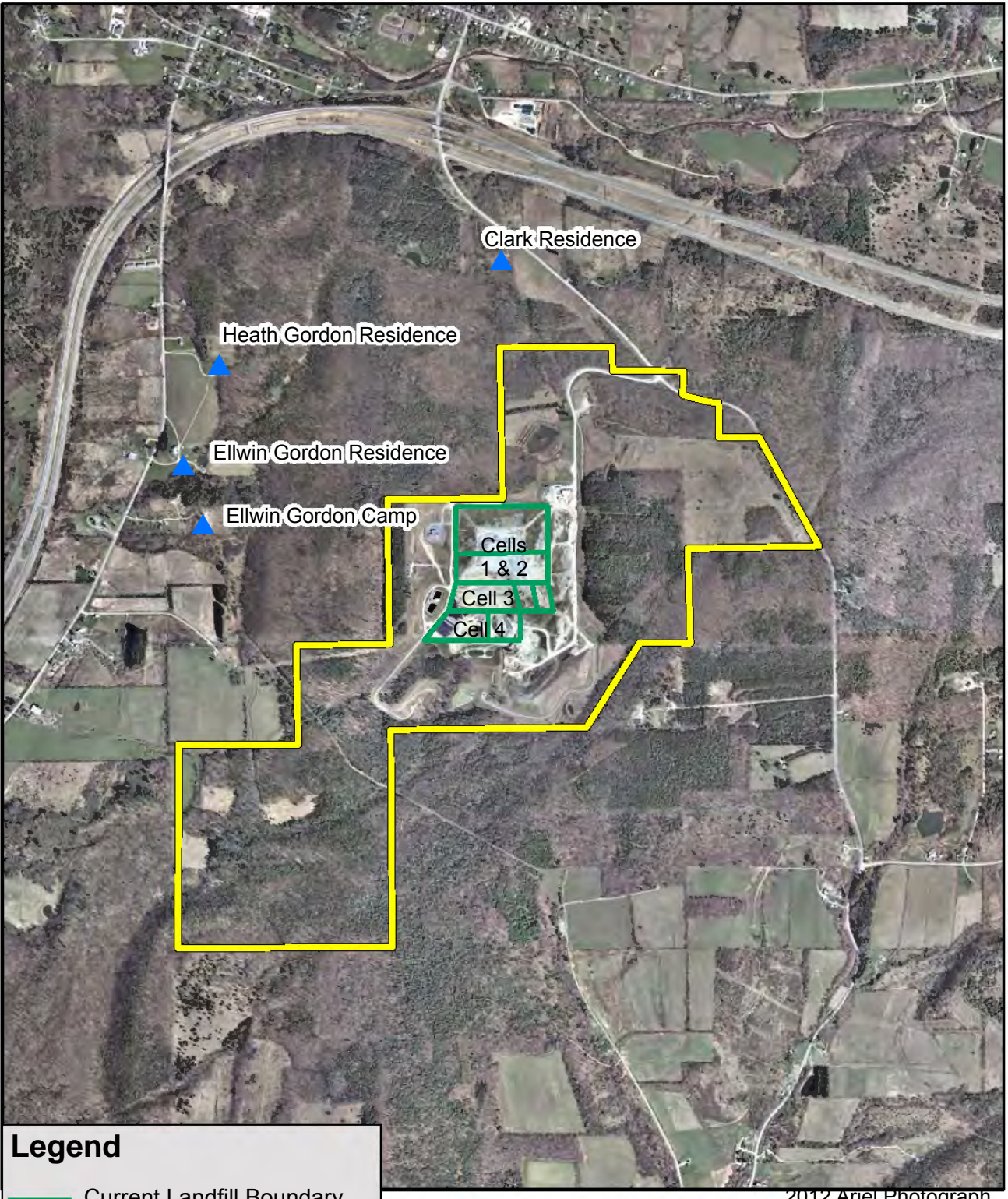
Legend	
	Overburden Monitoring Wells
	Bedrock Monitoring Wells
	Surface Water Sampling Locations
	Gas Probes
	Hyland Facility Property Line
	Surface Water Detention Basins
	Riser House
	Leachate Ponds
	Cells 1 thru 4
	Future Cell 5A



ON-SITE TECHNICAL SERVICES, INC.
 72 Railroad Avenue Wellsville, NY 14895

FIGURE NO.	1
PROJECT	Hyland Facility
DOCUMENT	Monitoring Report
FILE / DATE	Samplc.mxd / 09.13.17

2017 RESIDENTIAL SAMPLING LOCATIONS



Legend

- Current Landfill Boundary
- Hyland Facility Property Line



ON-SITE TECHNICAL SERVICES, INC.
 72 Railroad Avenue Wellsville, NY 14895

FIGURE NO.	2
PROJECT	Hyland Facility
DOCUMENT	2017 4Q REPORT
FILE NO.	RES_LOC_2017.MXD

Appendix A

Field Forms

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-6-17

Monitoring Well: MW-14 Sample ID: MW14-1117

Arrival Time: 1130

Weather Conditions

Temp. 43 ° F () Sunny () Partly Cloudy (X) Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 41.50 ft - SWL: 38.51 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 0.47 gals

Start Purge: 1135 Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: NA Start Sampling: 1430 Purge Duration: 6 min Purge Vol: .5 gals.

Field Parameters

Meters: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Flow Cell (X) Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>0.5</u>	<u>1141</u>	<u>Railed to Bottom</u>						
<u>1116</u>	<u>1430</u>	<u>7.99</u>	<u>304.0</u>	<u>3.95</u>	<u>NA</u>	<u>9.2</u>	<u>178.2</u>	
<u>1116</u>	<u>1430</u>	<u>Collected Phenols, AR, CH₃</u>						
<u>1117</u>	<u>1000</u>	<u>Collected BOD</u>						

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Railer Sample clarity/color: clear no color

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1009 Date 11-7-17 Samplers K Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-8-17

Monitoring Well: MW-19 Sample ID: MW19-1117

Arrival Time: 0955

Weather Conditions

Temp. 28 ° F (Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 52.63 ft - SWL: 41.31 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 1.8 gals

Start Purge: 1010 Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # 2

Pumping Rate: 104 sec / 500 mL, Start Sampling: 1100 Purge Duration: 50 min. Purge Vol: 2.5 gals.

Field Parameters

Meters: YSI (sn: 14100804), Hach 2100P (sn: 0012410) Measured in: () Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>1.25</u>	<u>1035</u>	<u>6.94</u>	<u>411.3</u>	<u>4.55</u>	<u>10.54</u>	<u>8.0</u>	<u>78.5</u>	<u>41.31</u>
<u>1.40</u>	<u>1040</u>	<u>6.84</u>	<u>394.4</u>	<u>3.93</u>	<u>10.45</u>	<u>8.0</u>	<u>86.3</u>	<u>41.32</u>
<u>1.75</u>	<u>1045</u>	<u>6.70</u>	<u>383.3</u>	<u>3.96</u>	<u>10.42</u>	<u>8.0</u>	<u>91.3</u>	<u>41.31</u>
<u>2.0</u>	<u>1050</u>	<u>6.69</u>	<u>378.8</u>	<u>3.32</u>	<u>10.36</u>	<u>8.0</u>	<u>92.8</u>	<u>41.32</u>
<u>2.25</u>	<u>1055</u>	<u>6.68</u>	<u>376.4</u>	<u>3.30</u>	<u>10.29</u>	<u>7.9</u>	<u>94.1</u>	<u>41.32</u>
<u>2.50</u>	<u>1100</u>	<u>6.68</u>	<u>374.8</u>	<u>3.29</u>	<u>10.09</u>	<u>8.1</u>	<u>96.6</u>	<u>41.31</u>

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: pump Sample clarity/color: clear/colorless

Sample Odor: (Y) or () Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1130 Date 11-8-17 Samplers S. Watson

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York **Date:** 11-6-17

Monitoring Well: MW-26 **Sample ID:** MW26-1117 **Arrival Time:** 1110

Weather Conditions

Temp. 45 ° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow
 Wind Conditions: 0-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK
 Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 18.49 ft - SWL: 11.90 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 1.0 gals
 Start Purge: 1115 Purging Method: Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____
 Pumping Rate: NA Start Sampling: 0940 Purge Duration: 9 min Purge Vol: 1.0 gals.

Field Parameters

Meters: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Flow Cell Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>1.0</u>	<u>1124</u>	<u>Bailed to Bottom</u>	<u>to Bottom</u>					
<u>11/6</u>	<u>1405</u>	<u>6.63</u>	<u>1106</u>	<u>109.0</u>	<u>NA</u>	<u>11.2</u>	<u>218.4</u>	
<u>11/6</u>	<u>1405</u>	<u>Collected</u>	<u>Air, Phos, NH₄-N</u>	<u>-TDS</u>				
<u>11/7</u>	<u>0940</u>			<u>10.8</u>	<u>Metals + BOD</u>			

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Bailer Sample clarity/color: Slightly Cloudy 11/7 - Clear No odor
 Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6
 Well Sampling Completion: Time 0953 Date 11-7-17 Samplers K Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-8-17

Monitoring Well: MW-31 Sample ID: MW31-1117 Arrival Time: 1145

Weather Conditions

Temp. 35° F Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 24.46 ft - SWL: 12.18 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 2.0 gals

Start Purge: 1153 Purging Method: () Bail () Peristaltic () Dedicated Bladder Non-Dedicated Bladder # 2

Pumping Rate: 500ML, Start Sampling: 1240 Purge Duration: 45 min. Purge Vol: 2.25 gals.

Field Parameters

Meters: YSI (sn: 146100804), Hach 2100P (sn: C012410) Measured in: Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>1.75</u>	<u>1210</u>	<u>6.61</u>	<u>446.0</u>	<u>11.40</u>	<u>7.47</u>	<u>13.3</u>	<u>126.6</u>	<u>14.65</u>
<u>1.25</u>	<u>1220</u>	<u>6.62</u>	<u>438.0</u>	<u>8.83</u>	<u>7.70</u>	<u>13.0</u>	<u>120.9</u>	<u>15.26</u>
<u>1.75</u>	<u>1230</u>	<u>6.61</u>	<u>450.1</u>	<u>8.96</u>	<u>7.83</u>	<u>12.0</u>	<u>119.3</u>	<u>15.48</u>
<u>2.0</u>	<u>1235</u>	<u>6.60</u>	<u>455.7</u>	<u>6.19</u>	<u>7.80</u>	<u>13.5</u>	<u>119.4</u>	<u>15.61</u>
<u>2.25</u>	<u>1240</u>	<u>6.59</u>	<u>459.5</u>	<u>3.94</u>	<u>7.52</u>	<u>13.6</u>	<u>119.6</u>	<u>15.65</u>

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: pump Sample clarity/color: clear/colorless

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1325 Date 11-8-17 Samplers S. Watson

DJP1-1117
1430

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Monitoring Well: MW-34 Sample ID: MW34-1117

Arrival Time: 1245

Weather Conditions

Temp. 34 ° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 5-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 235.0 ft - SWL: 150.09 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 13.6 gals

Start Purge: 1305 Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: 42 sec / 500 ml, Start Sampling: 1420 Purge Duration: 1 hr. 15 min. Purge Vol: 7.5 gals.

Field Parameters

Meters: YSI (sn: 14L100804), Hach 2100P (sn: C012410) Measured in: () Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>5.50</u>	<u>1400</u>	<u>7.71</u>	<u>579.4</u>	<u>9.24</u>	<u>.82</u>	<u>9.4</u>	<u>-40.6</u>	<u>161.75</u>
<u>6.0</u>	<u>1405</u>	<u>7.71</u>	<u>580.2</u>	<u>2.26</u>	<u>.75</u>	<u>9.3</u>	<u>-44.2</u>	<u>161.99</u>
<u>6.5</u>	<u>1410</u>	<u>7.71</u>	<u>580.3</u>	<u>.77</u>	<u>.75</u>	<u>9.3</u>	<u>-47.4</u>	<u>161.75</u>
<u>7.0</u>	<u>1415</u>	<u>7.71</u>	<u>580.9</u>	<u>.54</u>	<u>.74</u>	<u>9.3</u>	<u>-48.6</u>	<u>161.87</u>
<u>7.5</u>	<u>1420</u>	<u>7.71</u>	<u>581.5</u>	<u>.54</u>	<u>.74</u>	<u>9.3</u>	<u>-49.2</u>	<u>161.91</u>

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: ded pump/control controller Sample clarity/color: clear/clear

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

fill time - 40 sec - discharge 18 sec.

Analysis Requested: Routine Number of Containers: 676

Well Sampling Completion: Time 1450 Date 11-7-17 Samplers J. Watson

DJP1

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York Date: 11-6-17

Monitoring Well: MW-36A Sample ID: MW36A-1117 Arrival Time: 1058

Weather Conditions

Temp. 45 ° F () Sunny () Partly Cloudy (X) Cloudy () Light Rain () Hvy. Rain () Snow
 Wind Conditions: 0-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK
 Well Visibility (paint): OK Well Label: OK Comment: Limited Access

Depth & Purging Information

TD: 63.69 ft - SWL: 61.63 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: .3 gals
 Start Purge: 1100 Purging Method: (X) Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____
 Pumping Rate: NA Start Sampling: 1345 Purge Duration: 5 min Purge Vol: .3 gals.

Field Parameters

Meters: YSI (sn: 17D108273), Hach 2100P (sn: 13369) Measured in: () Flow Cell (X) Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>.3</u>	<u>1105</u>	<u>Bailed to Bottom</u>						
<u>11/6</u>	<u>1345</u>	<u>6.97</u>	<u>2608</u>	<u>126.0</u>	<u>NA</u>	<u>9.0</u>	<u>214.0</u>	
<u>11/6</u>	<u>1345</u>	<u>Collected</u>	<u>Alk, NH₄ - Phos</u>					
<u>11/7</u>	<u>0920</u>			<u>9.83</u>				
<u>11/7</u>	<u>0920</u>	<u>Collected</u>	<u>Metals - TDS</u>					
<u>11/8</u>	<u>1250</u>	<u>Collected</u>	<u>a little more than 1/2 gal</u>					

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Bailer Sample clarity/color: Slightly Cloudy 11/7 clear No Color
 Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6
 Well Sampling Completion: Time 1300 Date 11-8-17 Samplers K Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-6-17

Monitoring Well: MW-37A Sample ID: MW37A-1117 Arrival Time: 1042

Weather Conditions

Temp. 46° F () Sunny () Partly Cloudy () Cloudy (X) Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 38.18 ft - SWL: 34.28 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: .6 gals

Start Purge: 045 Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: NA Start Sampling: 1330 Purge Duration: 8 min Purge Vol: .5 gals.

Field Parameters

Meters: YSI (sn: 17D/06273), Hach 2100P (sn: 13309) Measured in: () Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>.5</u>	<u>1053</u>	<u>Bailed to Bottom</u>						
<u>11/6</u>	<u>1330</u>	<u>7.29</u>	<u>1431</u>	<u>122.0</u>	<u>NA</u>	<u>10.7</u>	<u>193.2</u>	
	<u>1330</u>	<u>collected Phenols, NH₄ - AR</u>						
<u>11/7</u>	<u>0850</u>			<u>9.80</u>				
	<u>0850</u>	<u>collected BOD, Metals, TDS</u>						

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Bailer Sample clarity/color: Slightly Cloudy 11/7 Clear No Color

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6 ^{11/6 (3)} _{11/7 (3)}

Well Sampling Completion: Time 0902 Date 11-7-17 Samplers K DYE

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-8-17

Monitoring Well: MW-37 Sample ID: MW37-1117

Arrival Time: 0904

Weather Conditions

Temp. 33 ° F Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: Bee's in well

Depth & Purging Information

TD: 57.20 ft - SWL: 35.59 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 3.4 gals

Start Purge: 0915 Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # Pencil

Pumping Rate: 500ml/340 Start Sampling: 1025 Purge Duration: 1hr 10min Purge Vol: 1.8 gals.

Field Parameters

Meters: YSI (sn: 17D105223), Hach 2100P (sn: 13309) Measured in: Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>.8</u>	<u>1000</u>	<u>7.39</u>	<u>479.0</u>	<u>.66</u>	<u>1.11</u>	<u>10.6</u>	<u>144.3</u>	<u>35.59</u>
<u>1.25</u>	<u>1010</u>	<u>7.36</u>	<u>478.5</u>	<u>.80</u>	<u>1.03</u>	<u>10.2</u>	<u>145.1</u>	<u>35.59</u>
<u>1.5</u>	<u>1015</u>	<u>7.35</u>	<u>477.6</u>	<u>.64</u>	<u>.98</u>	<u>10.2</u>	<u>144.7</u>	<u>35.59</u>
<u>1.6</u>	<u>1020</u>	<u>7.36</u>	<u>477.0</u>	<u>.53</u>	<u>.95</u>	<u>10.4</u>	<u>144.2</u>	<u>35.59</u>
<u>1.8</u>	<u>1025</u>	<u>7.36</u>	<u>477.9</u>	<u>.84</u>	<u>.87</u>	<u>10.3</u>	<u>144.0</u>	<u>35.59</u>

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Pencil Bladder Sample clarity/color: Clear No Color

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1057 Date 11-8-17 Samplers K D, E

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-6-17

Monitoring Well: MW-40A Sample ID: MW40A-1117

Arrival Time: 1232

Weather Conditions

Temp. 43 ° F () Sunny () Partly Cloudy () Cloudy (X) Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-10 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 34.90 ft - SWL: 34.50 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: .06 gals

Start Purge: NA Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: NA Start Sampling: 1240 Purge Duration: NA Purge Vol: NA gals.

Field Parameters

Meters: YSI (sn: 17D118273), Hach 2100P (sn: 13309) Measured in: () Flow Cell (X) Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
	<u>1240</u>	<u>7.05</u>	<u>1966</u>	<u>246.0</u>	<u>NA</u>	<u>10.7</u>	<u>224.6</u>	
<u>1116</u>	<u>1240</u>	<u>collected 1/2 N/A</u>	<u>TKN</u>					
<u>1117</u>	<u>1125</u>	<u>well didn't recover</u>		<u>No Sample</u>				
<u>1118</u>	<u>1335</u>	<u>Well didn't recover</u>		<u>No Sample</u>				
<u>1119</u>	<u>1531</u>	<u>well didn't recover</u>		<u>No Sample</u>				

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Direct Bail Sample clarity/color: Cloudy

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 1

Well Sampling Completion: Time 1540 Date 11/9/17 Samplers K Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-6-17

Monitoring Well: MW-41A Sample ID: MW41A-1117

Arrival Time: 1015

Weather Conditions

Temp. 37 ° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 57.79 ft - SWL: 55.67 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: .3 gals

Start Purge: NA Purging Method: () ^{Direct} Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: NA Start Sampling: 1400 Purge Duration: NA Purge Vol: NA gals.

Field Parameters

Meters: YSI (sn: 17D108273), Hach 2100P (sn: 13309) Measured in: () Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>11/7</u>	<u>1025</u>	<u>7.03</u>	<u>7294</u>	<u>3.05</u>	<u>NA</u>	<u>12.1</u>	<u>108.4</u>	
<u>11/7</u>	<u>1025</u>	<u>Collected</u>	<u>All hot ROD</u>					
<u>11/8</u>	<u>1400</u>	<u>Collected</u>	<u>Approx 2/3 ROD</u>					

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Direct Bail Sample clarity/color: Clear No color

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1409 Date 11-8-17 Samplers 4 Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-6-17

Monitoring Well: MW-42A Sample ID: MW42A-1117

Arrival Time: 1026

Weather Conditions

Temp. 34° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow ^{light}

Wind Conditions: 0-5 mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 66.98 ft - SWL: 65.49 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 2 gals

Start Purge: NA Purging Method: () Bail () Peristaltic () Dedicated Bladder () Non-Dedicated Bladder # _____

Pumping Rate: NA Start Sampling: 1100 Purge Duration: NA Purge Vol: 0 gals.

Field Parameters

Meters: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>1117</u>	<u>1100</u>	<u>7.02</u>	<u>3001</u>	<u>21.9</u>	<u>NA</u>	<u>8.7</u>	<u>-114.4</u>	
<u>1117</u>	<u>1100</u>	<u>collected Phenols - Nitro-TDS</u>						
<u>1118</u>	<u>1510</u>	<u>Well didn't recover No Sample</u>						
<u>1119</u>	<u>1525</u>	<u>Well didn't recover No Sample</u>						

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Direct Bail Sample clarity/color: clear with Particulates

Sample Odor: () or (N) Explain: Slight Decaying Garbage odor Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 3

Well Sampling Completion: Time 1550 Date 11/9/17 Samplers K Dye

On-Site Technical Services, Inc.

Groundwater Purging and Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-8-17

Monitoring Well: MW-47A Sample ID: MW47A-1117

Arrival Time: 1102

Weather Conditions

Temp. 36 ° F Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5mph

Well Condition Checklist

Bump posts: NA Pro. casing/lock: OK Surface pad: OK

Well Visibility (paint): OK Well Label: OK Comment: _____

Depth & Purging Information

TD: 42.41 ft - SWL: 30.06 ft x 0.16 if 2" or 0.65 if 4" = 1 Well Volume: 20 gals

Start Purge: 1110 Purging Method: () Bail () Peristaltic () Dedicated Bladder Non-Dedicated Bladder # 1

Pumping Rate: 500ml / 1830^{sec} Start Sampling: 1200 Purge Duration: 50min Purge Vol: 1.6 gals.

Field Parameters

Meters: YSI (sn: 17D108273), Hach 2100P (sn: 13309) Measured in: Flow Cell () Cup

Purge (gal)	Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)	DTW (ft)
<u>7.5</u>	<u>1140</u>	<u>7.21</u>	<u>1411</u>	<u>5.55</u>	<u>1.91</u>	<u>5.0</u>	<u>-131.5</u>	<u>31.75</u>
<u>1.0</u>	<u>1145</u>	<u>7.22</u>	<u>1415</u>	<u>3.79</u>	<u>1.83</u>	<u>5.1</u>	<u>-132.7</u>	<u>32.00</u>
<u>1.25</u>	<u>1150</u>	<u>7.24</u>	<u>1416</u>	<u>4.75</u>	<u>1.70</u>	<u>5.2</u>	<u>-134.0</u>	<u>32.44</u>
<u>1.4</u>	<u>1155</u>	<u>7.25</u>	<u>1412</u>	<u>3.94</u>	<u>1.59</u>	<u>6.0</u>	<u>-134.9</u>	<u>33.0</u>
<u>1.6</u>	<u>1200</u>	<u>7.26</u>	<u>1410</u>	<u>1.79</u>	<u>1.47</u>	<u>6.2</u>	<u>-136.3</u>	<u>33.55</u>

Stabilization Criteria: 1) field parameters ± 0.1 pH, ±3% conductivity, ±10 mv ORP, ±10% DO, ±10% Turbidity; 2) 3 well volumes or dry

Sample Collection Method: Bladder Bump Sample clarity/color: clear No color

Sample Odor: (Y) or (N) Explain: _____ Other Observations/Comments: _____

Purge Slow Well Draws

Analysis Requested: Routine Number of Containers: 6

Well Sampling Completion: Time 1230 Date 11-8-17 Samplers K Dye

On-Site Technical Services, Inc.
Surface Water and Sediment Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: DB-1 Sample ID: No Sample Arrival Time: 1245

Sediment Sample ID: NONE

Weather Conditions

Temp. 44 ° F () Sunny (X) Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Flow and Depth Information (as appropriate)

Depth: 5"-6" Estimated Flow: No Visible Flow Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: _____), Hach 2100P (sn: _____) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Water Sample:

Location Description/Condition: Mouth of Pipe in ditch

Sample Collection Equipment/Method: NONE Sample Time: No Sample

Sample Description (clarity/color): _____ Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: 5"-6" of water at Mouth of Pipe NO Visible Flow

Sediment Sample:

Sample Collection Equipment/Method: _____ Sample Time: _____

Sample Description (clarity/color): _____

Sample Odor: (Y) or (N) Explain: _____ Other Observations: _____

Analysis Requested: Routine Number of Containers: 0

Sampling Completion: Time 1250 Date 11-9-17 Samplers K Dye

On-Site Technical Services, Inc.
Surface Water and Sediment Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: DB-2 Sample ID: DB2-1117 Arrival Time: 1330

Sediment Sample ID: No SED

Weather Conditions

Temp. 44 ° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: → Comments: Drains thru rock basin collected at Bottom

Field Parameters (as appropriate)

Meter: YSI (sn: 17D108273), Hach 2100P (sn: 12309) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1345</u>	<u>7.76</u>	<u>261.1</u>	<u>272.0</u>	<u>NA</u>	<u>6.5</u>	<u>153.6</u>

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond () Drain Basin
Ditch

Water Sample:

Location Description/Condition: Rock Basin

Sample Collection Equipment/Method: dipper Sample Time: 1345

Sample Description (clarity/color): light yellow brown tint Sample Odor: (Y) or (N) (N) Explain: _____
cloudy

Other Observations/Comments: _____

Sediment Sample:

Sample Collection Equipment/Method: No Sample Sample Time: →

Sample Description (clarity/color): _____

Sample Odor: (Y) or (N) Explain: _____ Other Observations: Rock Drain

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1356 Date 11-9-17 Samplers K D E

On-Site Technical Services, Inc.

Surface Water and Sediment Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: DB-3 Sample ID: DB3-1117 Arrival Time: 3:06

Sediment Sample ID: NONE

Weather Conditions

Temp. 44° F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: → Comments: Draining thru Rock Basin collected w/ Bottom

Field Parameters (as appropriate)

Meter: YSI (sn: 177108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe () Cup

Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1315</u>	<u>7.27</u>	<u>2265</u>	<u>147.0</u>	<u>NA</u>	<u>5.8</u>	<u>165.4</u>

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch Drain Basin

Water Sample:

Location Description/Condition: Rock BASIN

Sample Collection Equipment/Method: dipper Sample Time: 1315

Sample Description (clarity/color): Slightly Cloud with light TAN tint Sample Odor: (Y) or () (N) Explain: _____

Other Observations/Comments: _____

Sediment Sample:

Sample Collection Equipment/Method: _____ Sample Time: _____

Sample Description (clarity/color): _____

Sample Odor: (Y) or (N) Explain: _____ Other Observations: No SED Rock Drain

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1324 Date 11-9-17 Samplers K Dye

On-Site Technical Services, Inc.
Surface Water and Sediment Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: East Perimeter ^{Ditch} Sample ID: No Sample Arrival Time: 1239

Sediment Sample ID: No Sample

Weather Conditions

Temp. 42° F () Sunny (x) Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Flow and Depth Information (as appropriate)

Depth: 1-2" Estimated Flow: No Visible Flow Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: _____), Hach 2100P (sn: _____) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond (x) Ditch

Water Sample:

Location Description/Condition: East ditch just south of storage shed

Sample Collection Equipment/Method: None Sample Time: No Sample

Sample Description (clarity/color): NA Sample Odor: (Y) or (N) Explain: NA

Other Observations/Comments: 1-2" of standing water No visible flow

Sediment Sample:

Sample Collection Equipment/Method: _____ Sample Time: _____

Sample Description (clarity/color): _____

Sample Odor: (Y) or (N) Explain: _____ Other Observations: _____

Analysis Requested: _____ Number of Containers: 0

Sampling Completion: Time 1244 Date 11-9-17 Samplers R Dye

On-Site Technical Services, Inc.
Surface Water and Sediment Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: West Ditch Sample ID: No Sample Arrival Time: 1423

Sediment Sample ID: NONE

Weather Conditions

Temp. 44° F () Sunny (X) Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Flow and Depth Information (as appropriate)

Depth: 2-3 Estimated Flow: NONE Comments: No Visible Flow

Field Parameters (as appropriate)

Meter: YSI (sn: _____), Hach 2100P (sn: _____) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Water Sample:

Location Description/Condition: West ditch north of GGS's tank for culvert.

Sample Collection Equipment/Method: NONE Sample Time: No Sample

Sample Description (clarity/color): _____ Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Sediment Sample:

Sample Collection Equipment/Method: _____ Sample Time: _____

Sample Description (clarity/color): _____

Sample Odor: (Y) or (N) Explain: _____ Other Observations: _____

Analysis Requested: Routine Number of Containers: 0

Sampling Completion: Time 1423 Date 11-9-17 Samplers R Dye

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Sampling Location: GSS-1 Sample ID: GSS1-1117 Arrival Time: 1242

Weather Conditions

Temp. 34 °F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-10 mph

Location Type

Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: → Comments: manually operated Pump

Field Parameters (as appropriate)

Meter: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1250</u>	<u>7.02</u>	<u>436.9</u>	<u>123.0</u>	<u>NA</u>	<u>18.7</u>	<u>130.0</u>

Sample Information

Sample Type: Grab () Composite Sample Location: Discharge Pipe () Pond () Ditch

Location Description/Condition: West From Ricehouse in ditch

Sample Collection Equipment/Method: Direct Grab Sample Time: 1250

Sample Description (clarity/color): Slightly Cloudy Slight Sample Odor: (Y) or (N) (N) Explain: _____

Other Observations/Comments: yellow tint

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1301 Date 11-7-17 Samplers K Dye

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Sampling Location: GSS2E/F Sample ID: GSS2E/F-1117 Arrival Time: 1330

Weather Conditions

Temp 34 °F () Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Hvy. Rain (X) ^{light} Snow

Wind Conditions: 0-5 mph

Location Type

(X) Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: → Comments: MANUALLY operated Pump

Field Parameters (as appropriate)

Meter: YSI (sn: 17D108273) , Hach 2100P (sn: 13309) Measured in: () Submerged Probe (X) Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1345</u>	<u>7.13</u>	<u>606</u>	<u>1.61</u>	<u>NA</u>	<u>28.0</u>	<u>49.3</u>

Sample Information

Sample Type: () Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Location Description/Condition: Hose bibb in riserhouse

Sample Collection Equipment/Method: Direct Grab Sample Time: 1345

Sample Description (clarity/color): clear No color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Baseline Number of Containers: 18

Sampling Completion: Time 1420 Date 11-7-17 Samplers R. D. J.

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Sampling Location: GSS-2GH Sample ID: GSS2GH-1117 Arrival Time: 1305

Weather Conditions

Temp. 34 °F () Sunny () Partly Cloudy (X) Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Location Type

(X) Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: → Comments: MANUALLY OPERATED PUMP

Field Parameters (as appropriate)

Meter: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe (X) Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1315</u>	<u>7.02</u>	<u>1263</u>	<u>34.9</u>	<u>NA</u>	<u>20.3</u>	<u>107.2</u>

Sample Information

Sample Type: (X) Grab () Composite Sample Location: (X) Discharge Pipe () Pond () Ditch

Location Description/Condition: Wkt of Riserhouse in Ditch

Sample Collection Equipment/Method: Direct Grab Sample Time: 1315

Sample Description (clarity/color): Clear No Color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1326 Date 11-7-17 Samplers K D F

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-8-17

Sampling Location: GSS-3 Sample ID: GSS3-1117 Arrival Time: 0700

Weather Conditions

Temp. 26 ° F Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Location Type

Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: clean labelled HDPE pipe

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: 1 gpm Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: 142100804), Hach 2100P (sn: 0012410) Measured in: () Submerged Probe Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>0920</u>	<u>4.72</u>	<u>743</u>	<u>35.3</u>	<u>NA</u>	<u>15.7</u>	<u>-36.0</u>

Sample Information

Sample Type: Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Location Description/Condition: clean location - labelled HDPE pipe

Sample Collection Equipment/Method: Direct grab Sample Time: 0915

Sample Description (clarity/color): clear / slight cloudiness Sample Odor: (Y) or (N) Explain: Earthy odor

Other Observations/Comments: _____

Analysis Requested: Baseline Number of Containers: 11

Sampling Completion: Time 0940 Date 11-8-17 Samplers 5 installed

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Sampling Location: GSS-4 Sample ID: No Sample Arrival Time: 1110

Weather Conditions

Temp. 34 ° F () Sunny () Partly Cloudy (x) Cloudy () Light Rain () Hvy. Rain (x) Snow

Wind Conditions: 5-10 mph

Location Type

(x) Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: clean w/ no debris

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: N/A Comments: No Flow

Field Parameters (as appropriate)

Meter: YSI (sn: _____), Hach 2100P (sn: _____) Measured in: () Submerged Probe () Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Sample Information

Sample Type: (x) Grab () Composite Sample Location: (x) Discharge Pipe () Pond () Ditch

Location Description/Condition: Clear & clear with no debris and no flow

Sample Collection Equipment/Method: None Sample Time: No sample

Sample Description (clarity/color): NA Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 0

Sampling Completion: Time 1115 Date 11-7-17 Samplers S Warsaw

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-7-17

Sampling Location: GSS-5 Sample ID: No Sample Arrival Time: 1110

Weather Conditions

Temp. 34° F () Sunny () Partly Cloudy (X) Cloudy () Light Rain () Hvy. Rain (X) Snow

Wind Conditions: 5-10 mph

Location Type

(X) Groundwater Suppression () Leachate () Secondary Leachate () Residential Water () Other

Description: clean / no debris

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: NA Comments: No flow

Field Parameters (as appropriate)

Meter: YSI (sn: _____), Hach 2100P (sn: _____) Measured in: () Submerged Probe () Cup

Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

Sample Information

Sample Type: (X) Grab () Composite Sample Location: (X) Discharge Pipe () Pond () Ditch

Location Description/Condition: Clean & clear with no debris and no flow

Sample Collection Equipment/Method: None Sample Time: No Sample

Sample Description (clarity/color): NA Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 0

Sampling Completion: Time 1115 Date 11-7-17 Samplers S. W. ...

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: Clark-Shay Sample ID: Clark-Shay-1117 Arrival Time: 1015

Weather Conditions

Temp. 38 ° F Sunny () Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Location Type

() Groundwater Suppression () Leachate () Secondary Leachate Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: N/A Estimated Flow: 500ml Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: 17D108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1030</u>	<u>6.98</u>	<u>500.9</u>	<u>0.38</u>	<u>N/A</u>	<u>11.3</u>	<u>75.5</u>

Sample Information

Sample Type: Grab () Composite Sample Location: Discharge Pipe () Pond () Ditch

Location Description/Condition: Discharge Pipe North down behind house in Woods

Sample Collection Equipment/Method: Direct Grab Sample Time: 1030

Sample Description (clarity/color): Clear No color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1043 Date 11-9-17 Samplers K O E

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: H. Gordon Sample ID: H. Gordon-1117 Arrival Time: 1115

Weather Conditions

Temp. 40 ° F () Sunny Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-Smph

Location Type

() Groundwater Suppression () Leachate () Secondary Leachate Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: _____ Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: 17D108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1125</u>	<u>7.37</u>	<u>459.7</u>	<u>0.24</u>	<u>NA</u>	<u>11.5</u>	<u>109.8</u>

Sample Information

Sample Type: Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Location Description/Condition: Spicket in Basement

Sample Collection Equipment/Method: Direct Grab Sample Time: 1125

Sample Description (clarity/color): Clear No Color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1130 Date 11-9-17 Samplers R Dyf

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: E. Gordon

Sample ID: E. Gordon - 1117

Arrival Time: 1135

Weather Conditions

Temp. 40° F () Sunny (X) Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5 mph

Location Type

() Groundwater Suppression () Leachate () Secondary Leachate (X) Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: _____ Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: (X) Submerged Probe (X) Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1145</u>	<u>7.17</u>	<u>287.6</u>	<u>0.31</u>	<u>NA</u>	<u>12.5</u>	<u>130.8</u>

Sample Information

Sample Type: (X) Grab () Composite Sample Location: () Discharge Pipe () Pond () ~~Ditch~~ ^{SP Sink}

Location Description/Condition: Kitchen Sink - Mothers House on Same Water Supply

Sample Collection Equipment/Method: Direct Grab Sample Time: 1145

Sample Description (clarity/color): Clear No Color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1159 Date 11-9-17 Samplers K Dye

On-Site Technical Services, Inc.
Groundwater Suppression, Leachate, Residential Water Sampling

Project: Hyland Facility - Angelica, New York

Date: 11-9-17

Sampling Location: E. Gordon Camp Sample ID: Camp-1117 Arrival Time: 1208

Weather Conditions

Temp. 40 ° F () Sunny Partly Cloudy () Cloudy () Light Rain () Hvy. Rain () Snow

Wind Conditions: 0-5mph

Location Type

() Groundwater Suppression () Leachate () Secondary Leachate Residential Water () Other

Description: _____

Flow and Depth Information (as appropriate)

Depth: NA Estimated Flow: _____ Comments: _____

Field Parameters (as appropriate)

Meter: YSI (sn: 170108273), Hach 2100P (sn: 13309) Measured in: () Submerged Probe Cup
Note: Turbidity measured from a vial grab sample

Time	pH	Conductivity (us/cm)	Turbidity (ntu)	D.O. (mg/L)	Temp. (°C)	ORP (mV)
<u>1215</u>	<u>7.00</u>	<u>75.9</u>	<u>5.88</u>	<u>NA</u>	<u>12.0</u>	<u>149.7</u>

Sample Information

Sample Type: Grab () Composite Sample Location: () Discharge Pipe () Pond () Ditch

Location Description/Condition: Outdoor Spicket

Sample Collection Equipment/Method: Direct Grab Sample Time: 1215

Sample Description (clarity/color): clear No color Sample Odor: (Y) or (N) Explain: _____

Other Observations/Comments: _____

Analysis Requested: Routine Number of Containers: 6

Sampling Completion: Time 1224 Date 11-9-17 Samplers K D/E

Appendix B

Laboratory Analytical Reports



December 05, 2017

Service Request No:R1710580

Mr. Lance Stevens
Casella Waste Systems
4376 Manning Ridge Road
Painted Post, NY 14870

Laboratory Results for: Hyland Facility - Baseline Parameters

Dear Mr.Stevens,

Enclosed are the results of the sample(s) submitted to our laboratory November 09, 2017
For your reference, these analyses have been assigned our service request number **R1710580**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jon Brandes

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request:R1710580
Date Received:11/08/17 - 11/09/17

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV, validation deliverables including all summary forms and associated raw data. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab’s NELAC accreditation are identified on a “Non-Certified Analytes” report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Four water samples were received for analysis at ALS Environmental on 11/08-09/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260C, 11/13/17: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Metals Analyses:

No significant anomalies were noted with this analysis.

General Chemistry Analyses:

No significant anomalies were noted with this analysis.

Approved by  Date 12/5/2017



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters

Service Request:R1710580

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1710580-001	GSS2EF-1117	11/7/2017	1345
R1710580-002	Trip Blank	11/7/2017	1345
R1710580-003	MW48-1117	11/7/2017	1025
R1710580-004	GSS3-1117	11/8/2017	0915



Cooler Receipt and Preservation Check Form



Project/Client Coccolite Folder Number _____

Cooler received on 11-9-17 by HE/GC COURIER: ALS @ UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

5a	Perchlorate samples have required heatspace?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
5b	Did VOA vials, Alk, or Sulfite have sig* bubbles?	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input checked="" type="checkbox"/> NA
6	Where did the bottles originate?	<u>ALS/ROC</u>	CLIENT	
7	Soil VOA received as:	<u>Bulk</u>	<u>Encore</u>	<u>5035set</u> <input checked="" type="checkbox"/> NA

Temperature Readings Date: 11-9-17 Time: 10:30 ID: IR#7-IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.8</u>	<u>2.6</u>						
Correction Factor (°C)	<u>+1.5</u>	<u>+0.6</u>						
Corrected Temp (°C)	<u>2.3</u>	<u>3.2</u>						
Temp from: Type of bottle	<u>cent tube</u>	<u>Cent tube</u>						
Within 0.6°C?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
If <0°C, were samples frozen?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: ROC by HE/GC on 11/9/17 at 10:37
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/10/17 Time: 11:00 by: HE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Camisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12	<u>+</u>	NaOH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>181658</u>	<u>10/18</u>				
S2	<u>213916</u>	HNO ₃	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>150326159E</u>	<u>9/18</u>				
S2	<u>+</u>	H ₂ SO ₄	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>183734</u>	<u>9/18</u>				
≤4		NaHSO ₄	<input type="checkbox"/>	<input type="checkbox"/>						
Residual Chlorine (-)		For <u>CN</u> Phenol and 522	<input checked="" type="checkbox"/>	<input type="checkbox"/>	If +, contact PM to add Na ₂ S ₂ O ₃ (EN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		Zn Acetate	-	-						
		HCl	**	**	<u>411022</u>					

**Not to be tested before analysis - pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 6-250-001 05-2077-0115E, 06-0317-034C, 052717-204ML
Explain all Discrepancies/ Other Comments: _____

CLRES	BULK
DO	FLDT
HPROD	HGPB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: HE
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm :: WC > 1 in. diameter



ALS Environmental
1565 Jefferson Rd, Bldg 300, Suite 360
Rochester, NY 14623
585.288.5380

Client: **Casella/On-Site**
6653 Herdman Road
Angelica, NY 14709

Project Manager: **Lance Stevens/Jon Brandes**

CHAIN off CUSCOBY

Project: **Hyland Facility - Baseline Parameters**

Telephone No. 585-593-1824 ~Email: Email: jonb@onsites.com

Method of Shipment

UPS

Special Detection Limit/Reporting

PDF to Lance and On-Site, and EDD to On-Site.

Sample I.D.

Lab Sample No.	No. of Containers	Matrix				Prsv.		Sampling Date	Sampling Time	GC/MS VOCs 8260 (HCl)	BOD (NP)	T-CO ₂ (NaOH)	Alkalinity (NP)	Total Color (NP)	T-Metals (Baseline) (HNO ₃)	Hardness (HNO ₃)	TOC & Phenols (H ₂ SO ₄)	TDS C+6 NO ₂ Br, Cl, SO ₄ (NP)	NH ₃ , TAN, COD (H ₂ SO ₄)
		Soil	Water	Air	Other	Yes	No												
<i>Emergency</i> <i>SSS JEF-H1177</i>	<i>108</i>		<i>X</i>			<i>X</i>	<i>X</i>	<i>11-7-17</i>	<i>1345</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	
<i>Top Blank</i>	<i>3</i>		<i>X</i>			<i>X</i>		<i>11-7-17</i>	<i>1245</i>	<i>X</i>									

My W

R E M A R K S

Sample Received In tact: Yes No Temperature received: Ice No ice

Relinquished by (Sign & Print Name) <i>Kevin W JLB</i>	Date Time <i>11-7-17 15185</i>	Received by (Sign & Print Name)	
Relinquished by	Date Time	Received by	
Relinquished by	Date Time	Received by	
Relinquished by	Date Time	Received by laboratory	<i>Signature</i> Date <i>11/9/17</i> Time <i>DM</i>

R1710580
Casella Waste Systems
Hyland Facility - Baseline Parameters

5



Cooler Receipt and Preservation Check Form

RI17105880

5

General Water Systems
Hyland Facility - Baseline Parameters

Project/Client Laselle Folder Number RI-16380



Cooler received on 11/8/17 by CE

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="radio"/> Y <input type="radio"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="radio"/> Y <input type="radio"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="radio"/> Y <input type="radio"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="radio"/> Y <input type="radio"/> N

5a	Perchlorate samples have required headspace?	<input type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> NA
5b	Did VOA vials (Alk or Sulfide) have sig* bubbles?	<input type="radio"/> Y <input checked="" type="radio"/> N <input type="radio"/> NA
6	Where did the bottles originate?	<u>ALS/ROE</u> CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <input checked="" type="radio"/> NA

8. Temperature Readings Date: 11/8/17 Time: 14:09:58 IID: 0017105880 From: Temp Blank Sample: Bottle

Observed Temp (°C)	<u>0.7</u>	<u>1.2</u>	<u>2.0</u>				
Correction Factor (°C)	<u>+1.5</u>	<u>+1.5</u>	<u>+1.5</u>				
Corrected Temp (°C)	<u>2.2</u>	<u>2.7</u>	<u>3.5</u>				
Temp from: Type of bottle	<u>cont. style</u>						
Within 0.6°C?	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
If <0°C, were samples frozen?	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: IR-002 by CE on 11/8/17 at WCI
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/8/17 Time: 1930 by: DW

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact YES NO NA
Canisters Pressurized YES NO NA
Tedlar® Bags Inflated YES NO NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12	<u>ZnO</u>	NaOH	<input checked="" type="checkbox"/>		<u>161 (P58)</u>	<u>4/18</u>				
≥8		HNO ₃	<input checked="" type="checkbox"/>		<u>5035 (E57E)</u>	<u>6</u>				
≥8		H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>15303</u>	<u>10/18</u>				
≤4		NaHSO ₄								
Residual Chlorine (C)		For CN Phenol and 322	<input checked="" type="checkbox"/>		If ≠, contact PMI to add Na ₂ S ₂ O ₃ (CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		Zn Acetate	-	-						
		HCl	**	**	<u>4/11/17</u>	<u>10/17</u>				

**Not to be tested before analysis - pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: (p=253)cedly 01107+2A3B 9126717-1154C 0A 7517-2009 071017-3A13W

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HSPB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: _____

PC Secondary Review: MS 11/9/17 Sign if sample air bubbles: VOA >> 556mm: WC > lim diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% (25% for CLP) difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\times 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters

Service Request: R1710580

Sample Name: GSS2EF-1117
Lab Code: R1710580-001
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
7196A		MROGERSON
7470A	KMCLAEN	KMCLAEN
8260C		FNAEGLER
9012B	MROGERSON	KMENG
9056A		AMOS
9066		NSMITH
ASTM D6919-09		AFELSER
SM 2120 B-2001(2011)		GLAFORCE
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENG
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

Sample Name: Trip Blank
Lab Code: R1710580-002
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
8260C		FNAEGLER

Sample Name: MW48-1117
Lab Code: R1710580-003
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters

Service Request: R1710580

Sample Name: MW48-1117
Lab Code: R1710580-003
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
7196A		MROGERSON
7470A	KMCLAEN	KMCLAEN
8260C		FNAEGLER
9012B	MROGERSON	KMENGS
9056A		AMOSSES
9066		NSMITH
ASTM D6919-09		AFELSER
SM 2120 B-2001(2011)		GLAFORCE
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGS
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

Sample Name: GSS3-1117
Lab Code: R1710580-004
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPI
410.4		GNITAJOUPI
6010C	NMANSEN	CKUTZER
7196A		MROGERSON
7470A	KMCLAEN	KMCLAEN
8260C		DLIPANI
9012B	MROGERSON	KMENGS
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2120 B-2001(2011)		GLAFORCE
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER

ALS Group USA, Corp.

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)

Service Request: R1710580

Project: Hyland Facility - Baseline Parameters

Sample Name: GSS3-1117

Date Collected: 11/8/17

Lab Code: R1710580-004

Date Received: 11/9/17

Sample Matrix: Water

Analysis Method

Extracted/Digested By

Analyzed By

SM 5310 C-2000(2011)

CWOODS



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 13:45
Date Received: 11/08/17 09:45

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/09/17 16:30	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/09/17 16:30	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/09/17 16:30	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/09/17 16:30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/09/17 16:30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/09/17 16:30	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/09/17 16:30	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/09/17 16:30	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/09/17 16:30	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/09/17 16:30	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/09/17 16:30	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/09/17 16:30	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/09/17 16:30	
2-Butanone (MEK)	10 U	10	0.81	1	11/09/17 16:30	
2-Hexanone	10 U	10	1.7	1	11/09/17 16:30	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/09/17 16:30	
Acetone	10 U	10	1.3	1	11/09/17 16:30	
Acrylonitrile	100 U	100	1.4	1	11/09/17 16:30	
Benzene	5.0 U	5.0	0.20	1	11/09/17 16:30	
Bromochloromethane	5.0 U	5.0	0.32	1	11/09/17 16:30	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/09/17 16:30	
Bromoform	5.0 U	5.0	0.42	1	11/09/17 16:30	
Bromomethane	5.0 U	5.0	0.29	1	11/09/17 16:30	
Carbon Disulfide	10 U	10	0.22	1	11/09/17 16:30	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/09/17 16:30	
Chlorobenzene	5.0 U	5.0	0.29	1	11/09/17 16:30	
Chloroethane	5.0 U	5.0	0.24	1	11/09/17 16:30	
Chloroform	5.0 U	5.0	0.25	1	11/09/17 16:30	
Chloromethane	5.0 U	5.0	0.21	1	11/09/17 16:30	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/09/17 16:30	
Dibromomethane	5.0 U	5.0	0.32	1	11/09/17 16:30	
Methylene Chloride	5.0 U	5.0	0.60	1	11/09/17 16:30	
Ethylbenzene	5.0 U	5.0	0.20	1	11/09/17 16:30	
Iodomethane	10 U	10	0.98	1	11/09/17 16:30	
Styrene	5.0 U	5.0	0.20	1	11/09/17 16:30	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/09/17 16:30	
Toluene	5.0 U	5.0	0.20	1	11/09/17 16:30	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/09/17 16:30	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/09/17 16:30	
Vinyl Acetate	10 U	10	1.1	1	11/09/17 16:30	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/09/17 16:30	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/09/17 16:30	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/09/17 16:30	

ALS Group USA, Corp.
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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 13:45
Date Received: 11/08/17 09:45

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/09/17 16:30	
o-Xylene	5.0 U	5.0	0.20	1	11/09/17 16:30	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/09/17 16:30	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/09/17 16:30	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/09/17 16:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/09/17 16:30	
Dibromofluoromethane	92	89 - 119	11/09/17 16:30	
Toluene-d8	94	87 - 121	11/09/17 16:30	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 13:45
Date Received: 11/08/17 09:45

Sample Name: Trip Blank
Lab Code: R1710580-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/09/17 16:08	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/09/17 16:08	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/09/17 16:08	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/09/17 16:08	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/09/17 16:08	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/09/17 16:08	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/09/17 16:08	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/09/17 16:08	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/09/17 16:08	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/09/17 16:08	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/09/17 16:08	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/09/17 16:08	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/09/17 16:08	
2-Butanone (MEK)	10 U	10	0.81	1	11/09/17 16:08	
2-Hexanone	10 U	10	1.7	1	11/09/17 16:08	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/09/17 16:08	
Acetone	1.3 J	10	1.3	1	11/09/17 16:08	
Acrylonitrile	100 U	100	1.4	1	11/09/17 16:08	
Benzene	5.0 U	5.0	0.20	1	11/09/17 16:08	
Bromochloromethane	5.0 U	5.0	0.32	1	11/09/17 16:08	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/09/17 16:08	
Bromoform	5.0 U	5.0	0.42	1	11/09/17 16:08	
Bromomethane	5.0 U	5.0	0.29	1	11/09/17 16:08	
Carbon Disulfide	10 U	10	0.22	1	11/09/17 16:08	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/09/17 16:08	
Chlorobenzene	5.0 U	5.0	0.29	1	11/09/17 16:08	
Chloroethane	5.0 U	5.0	0.24	1	11/09/17 16:08	
Chloroform	5.0 U	5.0	0.25	1	11/09/17 16:08	
Chloromethane	0.21 J	5.0	0.21	1	11/09/17 16:08	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/09/17 16:08	
Dibromomethane	5.0 U	5.0	0.32	1	11/09/17 16:08	
Methylene Chloride	5.0 U	5.0	0.60	1	11/09/17 16:08	
Ethylbenzene	5.0 U	5.0	0.20	1	11/09/17 16:08	
Iodomethane	10 U	10	0.98	1	11/09/17 16:08	
Styrene	5.0 U	5.0	0.20	1	11/09/17 16:08	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/09/17 16:08	
Toluene	5.0 U	5.0	0.20	1	11/09/17 16:08	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/09/17 16:08	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/09/17 16:08	
Vinyl Acetate	10 U	10	1.1	1	11/09/17 16:08	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/09/17 16:08	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/09/17 16:08	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/09/17 16:08	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 13:45
Date Received: 11/08/17 09:45

Sample Name: Trip Blank
Lab Code: R1710580-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/09/17 16:08	
o-Xylene	5.0 U	5.0	0.20	1	11/09/17 16:08	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/09/17 16:08	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/09/17 16:08	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/09/17 16:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/09/17 16:08	
Dibromofluoromethane	94	89 - 119	11/09/17 16:08	
Toluene-d8	95	87 - 121	11/09/17 16:08	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 10:25
Date Received: 11/08/17 09:45

Sample Name: MW48-1117
Lab Code: R1710580-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/09/17 16:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/09/17 16:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/09/17 16:52	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/09/17 16:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/09/17 16:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/09/17 16:52	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/09/17 16:52	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/09/17 16:52	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/09/17 16:52	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/09/17 16:52	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/09/17 16:52	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/09/17 16:52	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/09/17 16:52	
2-Butanone (MEK)	10 U	10	0.81	1	11/09/17 16:52	
2-Hexanone	10 U	10	1.7	1	11/09/17 16:52	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/09/17 16:52	
Acetone	7.0 J	10	1.3	1	11/09/17 16:52	
Acrylonitrile	100 U	100	1.4	1	11/09/17 16:52	
Benzene	5.0 U	5.0	0.20	1	11/09/17 16:52	
Bromochloromethane	5.0 U	5.0	0.32	1	11/09/17 16:52	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/09/17 16:52	
Bromoform	5.0 U	5.0	0.42	1	11/09/17 16:52	
Bromomethane	5.0 U	5.0	0.29	1	11/09/17 16:52	
Carbon Disulfide	10 U	10	0.22	1	11/09/17 16:52	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/09/17 16:52	
Chlorobenzene	5.0 U	5.0	0.29	1	11/09/17 16:52	
Chloroethane	5.0 U	5.0	0.24	1	11/09/17 16:52	
Chloroform	5.0 U	5.0	0.25	1	11/09/17 16:52	
Chloromethane	0.26 J	5.0	0.21	1	11/09/17 16:52	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/09/17 16:52	
Dibromomethane	5.0 U	5.0	0.32	1	11/09/17 16:52	
Methylene Chloride	5.0 U	5.0	0.60	1	11/09/17 16:52	
Ethylbenzene	5.0 U	5.0	0.20	1	11/09/17 16:52	
Iodomethane	10 U	10	0.98	1	11/09/17 16:52	
Styrene	5.0 U	5.0	0.20	1	11/09/17 16:52	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/09/17 16:52	
Toluene	5.0 U	5.0	0.20	1	11/09/17 16:52	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/09/17 16:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/09/17 16:52	
Vinyl Acetate	10 U	10	1.1	1	11/09/17 16:52	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/09/17 16:52	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/09/17 16:52	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/09/17 16:52	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17 10:25
Date Received: 11/08/17 09:45

Sample Name: MW48-1117
Lab Code: R1710580-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/09/17 16:52	
o-Xylene	5.0 U	5.0	0.20	1	11/09/17 16:52	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/09/17 16:52	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/09/17 16:52	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/09/17 16:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	92	85 - 122	11/09/17 16:52	
Dibromofluoromethane	92	89 - 119	11/09/17 16:52	
Toluene-d8	93	87 - 121	11/09/17 16:52	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/08/17 09:15
Date Received: 11/09/17 09:40

Sample Name: GSS3-1117
Lab Code: R1710580-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/13/17 12:20	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/13/17 12:20	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/13/17 12:20	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/13/17 12:20	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/13/17 12:20	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/13/17 12:20	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/13/17 12:20	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/13/17 12:20	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/13/17 12:20	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/13/17 12:20	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/13/17 12:20	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/13/17 12:20	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/13/17 12:20	
2-Butanone (MEK)	10 U	10	0.81	1	11/13/17 12:20	
2-Hexanone	10 U	10	1.7	1	11/13/17 12:20	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/13/17 12:20	
Acetone	1.7 J	10	1.3	1	11/13/17 12:20	
Acrylonitrile	100 U	100	1.4	1	11/13/17 12:20	
Benzene	5.0 U	5.0	0.20	1	11/13/17 12:20	
Bromochloromethane	5.0 U	5.0	0.32	1	11/13/17 12:20	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/13/17 12:20	
Bromoform	5.0 U	5.0	0.42	1	11/13/17 12:20	
Bromomethane	5.0 U	5.0	0.29	1	11/13/17 12:20	
Carbon Disulfide	10 U	10	0.22	1	11/13/17 12:20	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/13/17 12:20	
Chlorobenzene	5.0 U	5.0	0.29	1	11/13/17 12:20	
Chloroethane	5.0 U	5.0	0.24	1	11/13/17 12:20	
Chloroform	5.0 U	5.0	0.25	1	11/13/17 12:20	
Chloromethane	5.0 U	5.0	0.21	1	11/13/17 12:20	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/13/17 12:20	
Dibromomethane	5.0 U	5.0	0.32	1	11/13/17 12:20	
Methylene Chloride	5.0 U	5.0	0.60	1	11/13/17 12:20	
Ethylbenzene	5.0 U	5.0	0.20	1	11/13/17 12:20	
Iodomethane	10 U	10	0.98	1	11/13/17 12:20	
Styrene	5.0 U	5.0	0.20	1	11/13/17 12:20	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/13/17 12:20	
Toluene	5.0 U	5.0	0.20	1	11/13/17 12:20	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/13/17 12:20	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/13/17 12:20	
Vinyl Acetate	10 U	10	1.1	1	11/13/17 12:20	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/13/17 12:20	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/13/17 12:20	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/13/17 12:20	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/08/17 09:15
Date Received: 11/09/17 09:40

Sample Name: GSS3-1117
Lab Code: R1710580-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/13/17 12:20	
o-Xylene	5.0 U	5.0	0.20	1	11/13/17 12:20	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/13/17 12:20	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/13/17 12:20	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/13/17 12:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	11/13/17 12:20	
Dibromofluoromethane	96	89 - 119	11/13/17 12:20	
Toluene-d8	100	87 - 121	11/13/17 12:20	



Metals

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General Chemistry

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Service Request: R1710580
Date Collected: 11/07/17 13:45
Date Received: 11/08/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	243	mg/L	2.0	1.0	1	11/14/17 21:13	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.036 J	mg/L	0.050	0.008	10	11/15/17 13:29	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:31	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 19:28	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.6	mg/L	1.0	0.05	1	11/15/17 02:44	NA	
Chemical Oxygen Demand, Total	410.4	10.8	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	4.4	mg/L	2.0	0.2	10	11/08/17 19:28	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.004	1	11/08/17 18:06	NA	
Color, True	SM 2120 B-2001(2011)	11.0	ColorUnits	1.0	-	1	11/08/17 14:30	NA	
Cyanide, Total	9012B	0.010 U	mg/L	0.010	0.002	1	11/14/17 14:27	11/13/17	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	334	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 19:28	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.41	mg/L	0.20	0.08	1	11/14/17 12:50	11/13/17	
pH of Color Analysis	SM 2120 B-2001(2011)	7.44	pH Units	-	-	1	11/09/17 15:40	NA	*
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/20/17 10:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	395	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	94.7	mg/L	8.0	0.8	40	11/08/17 20:04	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: MW48-1117
Lab Code: R1710580-003

Service Request: R1710580
Date Collected: 11/07/17 10:25
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>MDL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Q</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	232	mg/L	2.0	1.0	1	11/14/17 21:24	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/15/17 10:59	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.8	mg/L	2.0	-	1	11/09/17 08:29	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 23:08	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.5	mg/L	1.0	0.05	1	11/15/17 03:47	NA	
Chemical Oxygen Demand, Total	410.4	12.7	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	12.8	mg/L	2.0	0.2	10	11/08/17 23:08	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.004	1	11/08/17 18:08	NA	
Color, True	SM 2120 B-2001(2011)	21.0	ColorUnits	1.0	-	1	11/08/17 14:30	NA	
Cyanide, Total	9012B	0.010 U	mg/L	0.010	0.002	1	11/14/17 14:30	11/13/17	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	1270	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.6 J	mg/L	1.0	0.04	10	11/08/17 23:08	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.38	mg/L	0.20	0.08	1	11/14/17 12:52	11/13/17	
pH of Color Analysis	SM 2120 B-2001(2011)	7.56	pH Units	-	-	1	11/09/17 15:40	NA	*
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/20/17 10:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	1630	mg/L	13	5	1	11/10/17 11:48	NA	
Sulfate	9056A	988	mg/L	20	2	100	11/08/17 23:21	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: GSS3-1117
Lab Code: R1710580-004

Service Request: R1710580
Date Collected: 11/08/17 09:15
Date Received: 11/09/17 09:40

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	315	mg/L	2.0	1.0	1	11/14/17 21:30	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.075	mg/L	0.050	0.008	10	11/15/17 11:29	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.3	mg/L	2.0	-	1	11/10/17 07:32	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 20:52	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.4	mg/L	1.0	0.05	1	11/15/17 04:07	NA	
Chemical Oxygen Demand, Total	410.4	3.7 J	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	6.5	mg/L	2.0	0.2	10	11/09/17 20:52	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.004	1	11/09/17 12:31	NA	
Color, True	SM 2120 B-2001(2011)	8.0	ColorUnits	1.0	-	1	11/09/17 14:20	NA	
Cyanide, Total	9012B	0.010 U	mg/L	0.010	0.002	1	11/14/17 14:34	11/13/17	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	452	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/09/17 20:52	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.18 J	mg/L	0.20	0.08	1	11/14/17 12:53	11/13/17	
pH of Color Analysis	SM 2120 B-2001(2011)	7.27	pH Units	-	-	1	11/09/17 15:40	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/28/17 09:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	527	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	144	mg/L	8.0	0.8	40	11/11/17 05:17	NA	



QC Summary Forms

ALS Environmental—Rochester Laboratory
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Volatile Organic Compounds by GC/MS

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85 - 122	89 - 119	87 - 121
GSS2EF-1117	R1710580-001	92	92	94
Trip Blank	R1710580-002	92	94	95
MW48-1117	R1710580-003	92	92	93
GSS3-1117	R1710580-004	95	96	100
Lab Control Sample	RQ1711760-03	99	99	96
Method Blank	RQ1711760-04	94	93	94
GSS2EF-1117 MS	RQ1711760-07	97	99	95
GSS2EF-1117 DMS	RQ1711760-08	95	98	94
Lab Control Sample	RQ1711838-03	101	98	102
Method Blank	RQ1711838-04	96	95	101

ALS Group USA, Corp.
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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/9/17
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Sample Name: GSS2EF-1117 **Units:** ug/L
Lab Code: R1710580-001 **Basis:** NA
Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Matrix Spike RQ1711760-07				Duplicate Matrix Spike RQ1711760-08				% Rec Limits	RPD	RPD Limit
	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec				
1,1,1,2-Tetrachloroethane	5.0 U	59.6	50.0	119	55.5	50.0	111	77-126	7	30	
1,1,1-Trichloroethane (TCA)	5.0 U	60.4	50.0	121	57.4	50.0	115	74-127	5	30	
1,1,2,2-Tetrachloroethane	5.0 U	58.5	50.0	117	55.0	50.0	110	72-122	6	30	
1,1,2-Trichloroethane	5.0 U	55.2	50.0	110	52.3	50.0	105	79-119	5	30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	54.8	50.0	110	52.4	50.0	105	74-132	4	30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	56.1	50.0	112	53.4	50.0	107	74-139	5	30	
1,2,3-Trichloropropane	5.0 U	50.7	50.0	101	48.5	50.0	97	75-122	4	30	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	55.3	50.0	111	51.4	50.0	103	65-137	7	30	
1,2-Dibromoethane	5.0 U	57.5	50.0	115	54.0	50.0	108	80-117	6	30	
1,2-Dichlorobenzene	5.0 U	54.9	50.0	110	53.0	50.0	106	77-120	4	30	
1,2-Dichloroethane	5.0 U	53.3	50.0	107	50.1	50.0	100	68-130	6	30	
1,2-Dichloropropane	5.0 U	52.3	50.0	105	49.4	50.0	99	79-124	6	30	
1,4-Dichlorobenzene	5.0 U	54.9	50.0	110	52.0	50.0	104	72-124	6	30	
2-Butanone (MEK)	10 U	46.2	50.0	92	44.3	50.0	89	46-141	4	30	
2-Hexanone	10 U	48.3	50.0	97	45.5	50.0	91	56-132	6	30	
4-Methyl-2-pentanone	10 U	52.1	50.0	104	50.7	50.0	101	60-141	3	30	
Acetone	10 U	41.8	50.0	84	39.2	50.0	78	29-151	6	30	
Acrylonitrile	100 U	261	250	104	244	250	98	69-131	7	30	
Benzene	5.0 U	55.2	50.0	110	52.8	50.0	106	76-129	4	30	
Bromochloromethane	5.0 U	53.8	50.0	108	51.2	50.0	102	82-125	5	30	
Bromodichloromethane	5.0 U	58.2	50.0	116	54.9	50.0	110	76-127	6	30	
Bromoform	5.0 U	56.4	50.0	113	52.6	50.0	105	58-133	7	30	
Bromomethane	5.0 U	48.3	50.0	97	45.4	50.0	91	10-162	6	30	
Carbon Disulfide	10 U	52.0	50.0	104	51.5	50.0	103	34-162	<1	30	
Carbon Tetrachloride	5.0 U	60.7	50.0	121	58.7	50.0	117	65-135	3	30	
Chlorobenzene	5.0 U	54.7	50.0	109	51.6	50.0	103	76-125	6	30	
Chloroethane	5.0 U	49.7	50.0	99	47.4	50.0	95	70-140	5	30	
Chloroform	5.0 U	56.9	50.0	114	54.1	50.0	108	75-130	5	30	
Chloromethane	5.0 U	50.2	50.0	100	46.1	50.0	92	55-160	9	30	
Dibromochloromethane	5.0 U	56.4	50.0	113	52.3	50.0	105	72-128	7	30	
Dibromomethane	5.0 U	53.5	50.0	107	51.3	50.0	103	77-119	4	30	
Methylene Chloride	5.0 U	53.0	50.0	106	50.9	50.0	102	75-121	4	30	
Ethylbenzene	5.0 U	56.0	50.0	112	53.4	50.0	107	72-134	5	30	
Iodomethane	10 U	66.9	50.0	134	66.9	50.0	134	14-159	<1	30	
Styrene	5.0 U	57.2	50.0	114	53.7	50.0	107	34-156	6	30	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/9/17
Date Extracted: NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Sample Name: GSS2EF-1117 **Units:** ug/L
Lab Code: R1710580-001 **Basis:** NA
Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Sample Result	Matrix Spike RQ1711760-07			Duplicate Matrix Spike RQ1711760-08			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Tetrachloroethene (PCE)	5.0 U	56.1	50.0	112	53.0	50.0	106	67-137	6	30
Toluene	5.0 U	56.7	50.0	113	53.4	50.0	107	79-125	6	30
Trichloroethene (TCE)	5.0 U	52.1	50.0	104	49.9	50.0	100	62-142	4	30
Trichlorofluoromethane (CFC 11)	5.0 U	52.7	50.0	105	50.9	50.0	102	72-142	3	30
Vinyl Acetate	10 U	55.8	50.0	112	55.4	50.0	111	17-156	<1	30
Vinyl Chloride	5.0 U	51.3	50.0	103	49.4	50.0	99	60-157	4	30
cis-1,2-Dichloroethene	5.0 U	55.5	50.0	111	53.0	50.0	106	72-133	5	30
cis-1,3-Dichloropropene	5.0 U	55.4	50.0	111	52.5	50.0	105	52-134	5	30
m,p-Xylenes	5.0 U	113	100	113	107	100	107	68-138	6	30
o-Xylene	5.0 U	55.6	50.0	111	51.6	50.0	103	68-134	8	30
trans-1,2-Dichloroethene	5.0 U	57.5	50.0	115	55.0	50.0	110	77-125	4	30
trans-1,3-Dichloropropene	5.0 U	55.4	50.0	111	52.5	50.0	105	50-142	5	30
trans-1,4-Dichloro-2-butene	5.0 U	62.0	50.0	124	54.8	50.0	110	10-136	12	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1711760-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/09/17 12:17	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/09/17 12:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/09/17 12:17	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/09/17 12:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/09/17 12:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/09/17 12:17	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/09/17 12:17	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/09/17 12:17	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/09/17 12:17	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/09/17 12:17	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/09/17 12:17	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/09/17 12:17	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/09/17 12:17	
2-Butanone (MEK)	10 U	10	0.81	1	11/09/17 12:17	
2-Hexanone	10 U	10	1.7	1	11/09/17 12:17	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/09/17 12:17	
Acetone	10 U	10	1.3	1	11/09/17 12:17	
Acrylonitrile	100 U	100	1.4	1	11/09/17 12:17	
Benzene	5.0 U	5.0	0.20	1	11/09/17 12:17	
Bromochloromethane	5.0 U	5.0	0.32	1	11/09/17 12:17	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/09/17 12:17	
Bromoform	5.0 U	5.0	0.42	1	11/09/17 12:17	
Bromomethane	5.0 U	5.0	0.29	1	11/09/17 12:17	
Carbon Disulfide	10 U	10	0.22	1	11/09/17 12:17	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/09/17 12:17	
Chlorobenzene	5.0 U	5.0	0.29	1	11/09/17 12:17	
Chloroethane	5.0 U	5.0	0.24	1	11/09/17 12:17	
Chloroform	5.0 U	5.0	0.25	1	11/09/17 12:17	
Chloromethane	5.0 U	5.0	0.21	1	11/09/17 12:17	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/09/17 12:17	
Dibromomethane	5.0 U	5.0	0.32	1	11/09/17 12:17	
Methylene Chloride	5.0 U	5.0	0.60	1	11/09/17 12:17	
Ethylbenzene	5.0 U	5.0	0.20	1	11/09/17 12:17	
Iodomethane	10 U	10	0.98	1	11/09/17 12:17	
Styrene	5.0 U	5.0	0.20	1	11/09/17 12:17	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/09/17 12:17	
Toluene	5.0 U	5.0	0.20	1	11/09/17 12:17	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/09/17 12:17	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/09/17 12:17	
Vinyl Acetate	10 U	10	1.1	1	11/09/17 12:17	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/09/17 12:17	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/09/17 12:17	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/09/17 12:17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1711760-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/09/17 12:17	
o-Xylene	5.0 U	5.0	0.20	1	11/09/17 12:17	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/09/17 12:17	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/09/17 12:17	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/09/17 12:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	11/09/17 12:17	
Dibromofluoromethane	93	89 - 119	11/09/17 12:17	
Toluene-d8	94	87 - 121	11/09/17 12:17	

ALS Group USA, Corp.
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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1711838-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	5.0 U	5.0	0.22	1	11/13/17 11:52	
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	0.36	1	11/13/17 11:52	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	0.25	1	11/13/17 11:52	
1,1,2-Trichloroethane	5.0 U	5.0	0.34	1	11/13/17 11:52	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	0.20	1	11/13/17 11:52	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	0.57	1	11/13/17 11:52	
1,2,3-Trichloropropane	5.0 U	5.0	0.70	1	11/13/17 11:52	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	0.74	1	11/13/17 11:52	
1,2-Dibromoethane	5.0 U	5.0	0.24	1	11/13/17 11:52	
1,2-Dichlorobenzene	5.0 U	5.0	0.21	1	11/13/17 11:52	
1,2-Dichloroethane	5.0 U	5.0	0.36	1	11/13/17 11:52	
1,2-Dichloropropane	5.0 U	5.0	0.20	1	11/13/17 11:52	
1,4-Dichlorobenzene	5.0 U	5.0	0.20	1	11/13/17 11:52	
2-Butanone (MEK)	10 U	10	0.81	1	11/13/17 11:52	
2-Hexanone	10 U	10	1.7	1	11/13/17 11:52	
4-Methyl-2-pentanone	10 U	10	0.67	1	11/13/17 11:52	
Acetone	10 U	10	1.3	1	11/13/17 11:52	
Acrylonitrile	100 U	100	1.4	1	11/13/17 11:52	
Benzene	5.0 U	5.0	0.20	1	11/13/17 11:52	
Bromochloromethane	5.0 U	5.0	0.32	1	11/13/17 11:52	
Bromodichloromethane	5.0 U	5.0	0.32	1	11/13/17 11:52	
Bromoform	5.0 U	5.0	0.42	1	11/13/17 11:52	
Bromomethane	5.0 U	5.0	0.29	1	11/13/17 11:52	
Carbon Disulfide	10 U	10	0.22	1	11/13/17 11:52	
Carbon Tetrachloride	5.0 U	5.0	0.45	1	11/13/17 11:52	
Chlorobenzene	5.0 U	5.0	0.29	1	11/13/17 11:52	
Chloroethane	5.0 U	5.0	0.24	1	11/13/17 11:52	
Chloroform	5.0 U	5.0	0.25	1	11/13/17 11:52	
Chloromethane	5.0 U	5.0	0.21	1	11/13/17 11:52	
Dibromochloromethane	5.0 U	5.0	0.31	1	11/13/17 11:52	
Dibromomethane	5.0 U	5.0	0.32	1	11/13/17 11:52	
Methylene Chloride	5.0 U	5.0	0.60	1	11/13/17 11:52	
Ethylbenzene	5.0 U	5.0	0.20	1	11/13/17 11:52	
Iodomethane	10 U	10	0.98	1	11/13/17 11:52	
Styrene	5.0 U	5.0	0.20	1	11/13/17 11:52	
Tetrachloroethene (PCE)	5.0 U	5.0	0.30	1	11/13/17 11:52	
Toluene	5.0 U	5.0	0.20	1	11/13/17 11:52	
Trichloroethene (TCE)	5.0 U	5.0	0.22	1	11/13/17 11:52	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	0.20	1	11/13/17 11:52	
Vinyl Acetate	10 U	10	1.1	1	11/13/17 11:52	
Vinyl Chloride	5.0 U	5.0	0.32	1	11/13/17 11:52	
cis-1,2-Dichloroethene	5.0 U	5.0	0.30	1	11/13/17 11:52	
cis-1,3-Dichloropropene	5.0 U	5.0	0.24	1	11/13/17 11:52	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ1711838-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Analysis Method: 8260C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
m,p-Xylenes	5.0 U	5.0	0.33	1	11/13/17 11:52	
o-Xylene	5.0 U	5.0	0.20	1	11/13/17 11:52	
trans-1,2-Dichloroethene	5.0 U	5.0	0.33	1	11/13/17 11:52	
trans-1,3-Dichloropropene	5.0 U	5.0	0.20	1	11/13/17 11:52	
trans-1,4-Dichloro-2-butene	5.0 U	5.0	0.70	1	11/13/17 11:52	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	11/13/17 11:52	
Dibromofluoromethane	95	89 - 119	11/13/17 11:52	
Toluene-d8	101	87 - 121	11/13/17 11:52	

ALS Group USA, Corp.
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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/09/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711760-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	20.3	20.0	101	80-119
1,1,1-Trichloroethane (TCA)	8260C	20.4	20.0	102	74-120
1,1,2,2-Tetrachloroethane	8260C	21.1	20.0	106	78-122
1,1,2-Trichloroethane	8260C	20.7	20.0	104	82-118
1,1-Dichloroethane (1,1-DCA)	8260C	20.0	20.0	100	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	19.4	20.0	97	74-135
1,2,3-Trichloropropane	8260C	18.8	20.0	94	68-136
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.6	20.0	93	55-149
1,2-Dibromoethane	8260C	21.1	20.0	106	81-125
1,2-Dichlorobenzene	8260C	19.1	20.0	95	80-119
1,2-Dichloroethane	8260C	20.4	20.0	102	71-127
1,2-Dichloropropane	8260C	19.6	20.0	98	80-119
1,4-Dichlorobenzene	8260C	18.9	20.0	94	79-119
2-Butanone (MEK)	8260C	18.5	20.0	93	61-137
2-Hexanone	8260C	17.6	20.0	88	63-124
4-Methyl-2-pentanone	8260C	18.2	20.0	91	66-124
Acetone	8260C	19.8	20.0	99	40-161
Acrylonitrile	8260C	97.3 J	100	97	71-130
Benzene	8260C	20.1	20.0	100	76-118
Bromochloromethane	8260C	21.0	20.0	105	81-126
Bromodichloromethane	8260C	21.1	20.0	106	78-126
Bromoform	8260C	21.5	20.0	108	71-136
Bromomethane	8260C	19.4	20.0	97	42-166
Carbon Disulfide	8260C	19.4	20.0	97	65-127
Carbon Tetrachloride	8260C	20.2	20.0	101	68-125
Chlorobenzene	8260C	19.3	20.0	97	80-121
Chloroethane	8260C	18.0	20.0	90	70-127
Chloroform	8260C	20.7	20.0	103	76-120
Chloromethane	8260C	18.8	20.0	94	69-145
Dibromochloromethane	8260C	20.7	20.0	104	77-128
Dibromomethane	8260C	20.3	20.0	101	79-120
Methylene Chloride	8260C	20.3	20.0	101	73-122
Ethylbenzene	8260C	18.5	20.0	92	76-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/09/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711760-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	25.9	20.0	130	18-160
Styrene	8260C	19.5	20.0	97	80-124
Tetrachloroethene (PCE)	8260C	18.1	20.0	91	78-124
Toluene	8260C	19.8	20.0	99	77-120
Trichloroethene (TCE)	8260C	18.5	20.0	92	78-123
Trichlorofluoromethane (CFC 11)	8260C	18.9	20.0	94	68-126
Vinyl Acetate	8260C	24.2	20.0	121	30-155
Vinyl Chloride	8260C	18.8	20.0	94	69-133
cis-1,2-Dichloroethene	8260C	20.6	20.0	103	80-121
cis-1,3-Dichloropropene	8260C	21.6	20.0	108	74-126
m,p-Xylenes	8260C	36.8	40.0	92	78-123
o-Xylene	8260C	18.2	20.0	91	80-120
trans-1,2-Dichloroethene	8260C	20.8	20.0	104	80-120
trans-1,3-Dichloropropene	8260C	21.6	20.0	108	67-135
trans-1,4-Dichloro-2-butene	8260C	22.9	20.0	114	39-134

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/13/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711838-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	8260C	17.3	20.0	87	80-119
1,1,1-Trichloroethane (TCA)	8260C	18.8	20.0	94	74-120
1,1,2,2-Tetrachloroethane	8260C	18.9	20.0	94	78-122
1,1,2-Trichloroethane	8260C	18.0	20.0	90	82-118
1,1-Dichloroethane (1,1-DCA)	8260C	21.5	20.0	108	78-117
1,1-Dichloroethene (1,1-DCE)	8260C	19.9	20.0	99	74-135
1,2,3-Trichloropropane	8260C	18.5	20.0	92	68-136
1,2-Dibromo-3-chloropropane (DBCP)	8260C	14.5	20.0	73	55-149
1,2-Dibromoethane	8260C	18.7	20.0	93	81-125
1,2-Dichlorobenzene	8260C	19.8	20.0	99	80-119
1,2-Dichloroethane	8260C	19.3	20.0	97	71-127
1,2-Dichloropropane	8260C	20.2	20.0	101	80-119
1,4-Dichlorobenzene	8260C	19.4	20.0	97	79-119
2-Butanone (MEK)	8260C	19.3	20.0	96	61-137
2-Hexanone	8260C	17.5	20.0	88	63-124
4-Methyl-2-pentanone	8260C	17.6	20.0	88	66-124
Acetone	8260C	20.9	20.0	104	40-161
Acrylonitrile	8260C	98.8 J	100	99	71-130
Benzene	8260C	19.9	20.0	99	76-118
Bromochloromethane	8260C	20.0	20.0	100	81-126
Bromodichloromethane	8260C	18.8	20.0	94	78-126
Bromoform	8260C	16.3	20.0	82	71-136
Bromomethane	8260C	20.0	20.0	100	42-166
Carbon Disulfide	8260C	19.0	20.0	95	65-127
Carbon Tetrachloride	8260C	17.6	20.0	88	68-125
Chlorobenzene	8260C	19.3	20.0	97	80-121
Chloroethane	8260C	21.4	20.0	107	70-127
Chloroform	8260C	20.1	20.0	100	76-120
Chloromethane	8260C	21.8	20.0	109	69-145
Dibromochloromethane	8260C	17.2	20.0	86	77-128
Dibromomethane	8260C	18.4	20.0	92	79-120
Methylene Chloride	8260C	20.1	20.0	101	73-122
Ethylbenzene	8260C	19.5	20.0	98	76-120

ALS Group USA, Corp.
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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/13/17

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS using NYS DEC ASP HT

Units:ug/L
Basis:NA

Lab Control Sample
RQ1711838-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Iodomethane	8260C	19.7	20.0	98	18-160
Styrene	8260C	19.1	20.0	95	80-124
Tetrachloroethene (PCE)	8260C	18.3	20.0	91	78-124
Toluene	8260C	19.4	20.0	97	77-120
Trichloroethene (TCE)	8260C	18.5	20.0	93	78-123
Trichlorofluoromethane (CFC 11)	8260C	21.6	20.0	108	68-126
Vinyl Acetate	8260C	19.0	20.0	95	30-155
Vinyl Chloride	8260C	22.8	20.0	114	69-133
cis-1,2-Dichloroethene	8260C	20.0	20.0	100	80-121
cis-1,3-Dichloropropene	8260C	18.6	20.0	93	74-126
m,p-Xylenes	8260C	38.6	40.0	97	78-123
o-Xylene	8260C	18.9	20.0	94	80-120
trans-1,2-Dichloroethene	8260C	20.1	20.0	100	80-120
trans-1,3-Dichloropropene	8260C	18.7	20.0	94	67-135
trans-1,4-Dichloro-2-butene	8260C	20.3	20.0	101	39-134



Metals

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METALS

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BLANKS

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank		M
		1	C	2	C	3	C	C		
Aluminum	99.20 U	99.20	U	99.20	U	99.20	U	99.20	U	P
Antimony	7.26 U	7.26	U	7.26	U	7.26	U	7.260	U	P
Arsenic	3.60 U	3.60	U	3.60	U	3.60	U	3.600	U	P
Barium	13.00 U	13.00	U	13.00	U	13.00	U	13.000	U	P
Beryllium	0.60 U	0.60	U	0.60	U	0.60	U	0.603	U	P
Boron	78.00 U	78.00	U	78.00	U	78.00	U	78.000	U	P
Cadmium	0.90 U	0.90	U	0.90	U	0.90	U	0.900	U	P
Mercury	0.090 U	0.090	U	0.090	U	0.090	U	0.090	U	CV
Calcium	309.00 U	309.00	U	309.00	U	309.00	U	309.000	U	P
Chromium	2.68 U	2.68	U	2.68	U	2.68	U	2.680	U	P
Cobalt	2.90 U	2.90	U	2.90	U	2.90	U	2.900	U	P
Copper	9.29 U	9.29	U	9.29	U	9.29	U	9.290	U	P
Iron	72.40 U	72.40	U	72.40	U	72.40	U	72.400	U	P
Lead	3.60 U	3.60	U	3.60	U	3.60	U	3.600	U	P
Magnesium	212.00 U	212.00	U	212.00	U	212.00	U	212.000	U	P
Manganese	4.90 U	4.90	U	4.90	U	4.90	U	4.900	U	P
Nickel	8.90 U	8.90	U	8.90	U	8.90	U	8.900	U	P
Potassium	281.00 U	281.00	U	281.00	U	281.00	U	281.000	U	P
Selenium	3.32 U	3.32	U	3.32	U	3.32	U	3.320	U	P
Silver	1.69 U	1.69	U	1.69	U	1.69	U	1.690	U	P
Sodium	373.00 U	373.00	U	373.00	U	373.00	U	373.000	U	P
Thallium	5.40 U	5.40	U	5.40	U	5.40	U	5.400	U	P
Vanadium	2.69 U	2.69	U	2.69	U	2.69	U	2.690	U	P
Zinc	7.00 U	7.00	U	7.00	U	7.00	U	7.000	U	P

Comments:

METALS

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BLANKS

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	C	M
		1	C	2	C	3	C			
Aluminum		99.20	U	99.20	U					P
Antimony		7.26	U	7.26	U					P
Arsenic		3.60	U	3.60	U					P
Barium		13.00	U	13.00	U					P
Beryllium		0.60	U	0.60	U					P
Boron		78.00	U	78.00	U					P
Cadmium		0.90	U	0.90	U					P
Mercury		0.090	U	0.090	U	0.090	U			CV
Calcium		309.00	U	309.00	U					P
Chromium		2.68	U	2.68	U					P
Cobalt		2.90	U	2.90	U					P
Copper		9.29	U	9.29	U					P
Iron		72.40	U	72.40	U					P
Lead		3.60	U	3.60	U					P
Magnesium		212.00	U	212.00	U					P
Manganese		4.90	U	4.90	U					P
Nickel		8.90	U	8.90	U					P
Potassium		281.00	U	281.00	U					P
Selenium		3.32	U	3.32	U					P
Silver		1.69	U	1.69	U					P
Sodium		373.00	U	373.00	U					P
Thallium		5.40	U	5.40	U					P
Vanadium		2.69	U	2.69	U					P
Zinc		7.00	U	7.00	U					P

Comments:

METALS

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BLANKS

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L, ppt, or mg/kg): UG/L

Analyte	Initial Calib. Blank ug/L	Continuing Calibration Blank ug/L						Preparation Blank	M
		1	2	3	C	C	C		
Mercury		0.090	U						CV

Comments:

METALS

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

GSS2EF-1117S

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2040.00	99.20 U	2000.0	102		P
Antimony	75 - 125	519.00	7.26 U	500.0	104		P
Arsenic	75 - 125	43.00	3.60 U	40.0	108		P
Barium	75 - 125	2130.00	70.70	2000.0	103		P
Beryllium	75 - 125	49.50	0.60 U	50.0	99		P
Boron	75 - 125	1040.00	78.00 U	1000.0	104		P
Cadmium	75 - 125	49.80	0.90 U	50.0	100		P
Mercury	75 - 125	0.941	0.090 U	1.00	94		CV
Calcium		96200.00	92800.00	2000.0	170		P
Chromium	75 - 125	196.00	2.68 U	200.0	98		P
Cobalt	75 - 125	500.00	2.90 U	500.0	100		P
Copper	75 - 125	245.00	9.29 U	250.0	98		P
Iron	75 - 125	1070.00	99.40 J	1000.0	97		P
Lead	75 - 125	512.00	3.60 U	500.0	102		P
Magnesium		26800.00	24800.00	2000.0	100		P
Manganese	75 - 125	1310.00	817.00	500.0	99		P
Nickel	75 - 125	494.00	8.90 U	500.0	99		P
Potassium	75 - 125	24000.00	3590.00	20000.0	102		P
Selenium	75 - 125	1060.00	3.32 U	1010.0	105		P
Silver	75 - 125	50.00	1.69 U	50.0	100		P
Sodium	75 - 125	27800.00	7580.00	20000.0	101		P
Thallium	75 - 125	1980.00	5.40 U	2000.0	99		P
Vanadium	75 - 125	508.00	2.69 U	500.0	102		P
Zinc	75 - 125	499.00	7.00 U	500.0	100		P

Comments:

METALS

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SPIKE SAMPLE RECOVERY

SAMPLE NO.

GSS2EF-1117SD

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75 - 125	2030.00	99.20 U	2000.0	102		P
Antimony	75 - 125	518.00	7.26 U	500.0	104		P
Arsenic	75 - 125	44.40	3.60 U	40.0	111		P
Barium	75 - 125	2130.00	70.70	2000.0	103		P
Beryllium	75 - 125	49.50	0.60 U	50.0	99		P
Boron	75 - 125	1040.00	78.00 U	1000.0	104		P
Cadmium	75 - 125	49.60	0.90 U	50.0	99		P
Mercury	75 - 125	0.939	0.090 U	1.00	94		CV
Calcium		94200.00	92800.00	2000.0	70		P
Chromium	75 - 125	196.00	2.68 U	200.0	98		P
Cobalt	75 - 125	499.00	2.90 U	500.0	100		P
Copper	75 - 125	246.00	9.29 U	250.0	98		P
Iron	75 - 125	1070.00	99.40 J	1000.0	97		P
Lead	75 - 125	510.00	3.60 U	500.0	102		P
Magnesium		26200.00	24800.00	2000.0	70		P
Manganese	75 - 125	1300.00	817.00	500.0	97		P
Nickel	75 - 125	494.00	8.90 U	500.0	99		P
Potassium	75 - 125	23900.00	3590.00	20000.0	102		P
Selenium	75 - 125	1050.00	3.32 U	1010.0	104		P
Silver	75 - 125	49.90	1.69 U	50.0	100		P
Sodium	75 - 125	27600.00	7580.00	20000.0	100		P
Thallium	75 - 125	1970.00	5.40 U	2000.0	98		P
Vanadium	75 - 125	508.00	2.69 U	500.0	102		P
Zinc	75 - 125	497.00	7.00 U	500.0	99		P

Comments:

METALS
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DUPLICATES

SAMPLE NO.

GSS2EF-1117SD

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Matrix (soil/water): WATER Level (low/med): LOW

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD	Q	M
Aluminum		2040.00	2030.00	0		P
Antimony		519.00	518.00	0		P
Arsenic		43.00	44.40	3		P
Barium		2130.00	2130.00	0		P
Beryllium		49.50	49.50	0		P
Boron		1040.00	1040.00	0		P
Cadmium		49.80	49.60	0		P
Mercury		0.941	0.939	0		CV
Calcium		96200.00	94200.00	2		P
Chromium		196.00	196.00	0		P
Cobalt		500.00	499.00	0		P
Copper		245.00	246.00	0		P
Iron		1070.00	1070.00	0		P
Lead		512.00	510.00	0		P
Magnesium		26800.00	26200.00	2		P
Manganese		1310.00	1300.00	1		P
Nickel		494.00	494.00	0		P
Potassium		24000.00	23900.00	0		P
Selenium		1060.00	1050.00	1		P
Silver		50.00	49.90	0		P
Sodium		27800.00	27600.00	1		P
Thallium		1980.00	1970.00	1		P
Vanadium		508.00	508.00	0		P
Zinc		499.00	497.00	0		P

Comments:

METALS

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LABORATORY CONTROL SAMPLE

Contract: R1710580

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG NO.: GSS2EF-1117

Solid LCS Source: _____

Aqueous LCS Source: CPI

Analyte	Aqueous (ug/L)			Solid (mg/K)				
	True	Found	%R	True	Found	C	Limits	%R
Aluminum	2000	1880	94					
Antimony	500	498	100					
Arsenic	40	41	102					
Barium	2000	2070	104					
Beryllium	50	49	98					
Boron	1000	952	95					
Cadmium	50	51	102					
Mercury	1.000	1.020	102					
Calcium	2000	1970	98					
Chromium	200	197	98					
Cobalt	500	514	103					
Copper	250	243	97					
Iron	1000	992	99					
Lead	500	519	104					
Magnesium	2000	1990	100					
Manganese	500	498	100					
Nickel	500	511	102					
Potassium	20000	19300	96					
Selenium	1010	1020	101					
Silver	50	49	98					
Sodium	20000	19800	99					
Thallium	2000	1890	94					
Vanadium	500	502	100					
Zinc	500	501	100					

Comments: _____



General Chemistry

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710580-MB1

Service Request: R1710580
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1.0	1	11/14/17 19:56	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	0.0008	1	11/14/17 18:28	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 13:36	NA	
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/08/17 16:48	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/15/17 02:02	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 16:48	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.004	1	11/08/17 18:05	NA	
Color, True	SM 2120 B-2001(2011)	1.0	ColorUnits	1.0	-	1	11/08/17 14:30	NA	
Cyanide, Total	9012B	0.010 U	mg/L	0.010	0.002	1	11/14/17 14:06	11/13/17	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/08/17 16:48	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:33	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/20/17 10:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10 U	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 16:48	NA	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710580-MB2

Service Request: R1710580
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 11:08	NA	
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/08/17 21:42	NA	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 21:42	NA	
Chromium, Hexavalent	7196A	0.010 U	mg/L	0.010	0.004	1	11/09/17 12:30	NA	
Cyanide, Total	9012B	0.010 U	mg/L	0.010	0.002	1	11/14/17 14:30	11/13/17	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/08/17 21:42	NA	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/28/17 09:30	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10 U	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 21:42	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710580-MB3

Service Request: R1710580
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/09/17 17:23	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/09/17 17:23	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/09/17 17:23	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/10/17 22:44	

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/08/17 - 11/20/17

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: mg/L
Basis: NA

Analyte Name	Method	Matrix Spike R1710580-001MS				Duplicate Matrix Spike R1710580-001DMS					
		Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.036 J	4.53	5.00	90	4.54	5.00	90	90-110	<1	20
Bromide	9056A	1.0 U	10.5	10.0	105	10.4	10.0	104	80-120	<1	15
Chloride	9056A	4.4	25.7	20.0	107	25.8	20.0	107	80-120	<1	15
Cyanide, Total	9012B	0.010 U	0.102	0.100	102	0.102	0.100	102	77-119	<1	20
Chemical Oxygen Demand, Total	410.4	10.8	32.1	25.0	85 *	32.1	25.0	85 *	90-110	<1	20
Chromium, Hexavalent	7196A	0.010 U	0.100	0.100	100	0.100	0.100	100	85-115	<1	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0381	0.0400	95	0.0389	0.0400	97	49-137	2	20
Sulfate	9056A	94.7	188	80.0	117	189	80.0	118	80-120	<1	15
Nitrogen, Total Kjeldahl (TKN)	351.2	0.41	2.50	2.50	84 *	2.58	2.50	87 *	90-110	3	20
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.6	14.0	10.0	114	13.9	10.0	113	48-135	<1	20
Nitrate as Nitrogen	9056A	1.0 U	10.3	10.0	103	10.4	10.0	104	80-120	<1	15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/08/17
Date Received: 11/09/17
Date Analyzed: 11/9/17

Duplicate Matrix Spike Summary
Chromium, Hexavalent

Sample Name: GSS3-1117
Lab Code: R1710580-004
Analysis Method: 7196A

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike R1710580-004MS		Duplicate Matrix Spike R1710580-004DMS		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Chromium, Hexavalent	0.010 U	0.052	0.100	52 *	0.048	0.100	48 *	85-115	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/09/17 - 11/14/17

Replicate Sample Summary
General Chemistry Parameters

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate	Average	RPD	RPD Limit
					Sample R1710580-001DUP Result			
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0		243	244	243	<1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0		2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10	4	395	389	392	2	10

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/08/17

Replicate Sample Summary
General Chemistry Parameters

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: ColorUnits
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>MDL</u>	<u>Sample Result</u>	<u>Duplicate Sample R1710580-001DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Color, True	SM 2120 B-2001(2011)	1.0		11.0	11.0	11.0	<1	5

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/09/17

Replicate Sample Summary
General Chemistry Parameters

Sample Name: GSS2EF-1117
Lab Code: R1710580-001

Units: pH Units
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>MDL</u>	<u>Sample Result</u>	<u>Duplicate Sample R1710580-001DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
pH of Color Analysis	SM 2120 B-2001(2011)	-		7.44	7.54	7.49	1	

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/08/17 - 11/20/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710580-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO ₃	SM 2320 B-1997(2011)	21.2	21.2	100	81-112
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.465	0.500	93	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	191	198	96	85-115
Bromide	9056A	0.943	1.00	94	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.4	10.0	104	81-118
Chemical Oxygen Demand, Total	410.4	53.0	50.0	106	90-110
Chloride	9056A	1.99	2.00	99	80-120
Chromium, Hexavalent	7196A	0.103	0.100	103	80-120
Cyanide, Total	9012B	0.101	0.100	101	85-115
Nitrate as Nitrogen	9056A	0.961	1.00	96	80-120
Nitrogen, Total Kjeldahl (TKN)	351.2	2.36	2.50	94	90-110
Phenolics, Total Recoverable	9066	0.0383	0.0400	96	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	886	914	97	90-110
Sulfate	9056A	1.95	2.00	97	80-120

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/08/17 - 11/28/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710580-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	194	198	98	85-115
Bromide	9056A	1.02	1.00	102	80-120
Chloride	9056A	2.07	2.00	104	80-120
Chromium, Hexavalent	7196A	0.103	0.100	103	80-120
Cyanide, Total	9012B	0.598	0.600	100	85-115
Nitrate as Nitrogen	9056A	1.03	1.00	103	80-120
Phenolics, Total Recoverable	9066	0.0388	0.0400	97	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	878	914	96	90-110
Sulfate	9056A	2.08	2.00	104	80-120

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/09/17 - 11/14/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710580-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	9056A	1.00	1.00	100	80-120
Chloride	9056A	2.06	2.00	103	80-120
Cyanide, Total	9012B	0.100	0.100	100	85-115
Nitrate as Nitrogen	9056A	1.03	1.00	103	80-120
Sulfate	9056A	2.14	2.00	107	80-120

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Baseline Parameters
Sample Matrix: Water

Service Request: R1710580
Date Analyzed: 11/14/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710580-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cyanide, Total	9012B	0.605	0.600	101	85-115



November 20, 2017

Service Request No:R1710539

Mr. Lance Stevens
Casella Waste Systems
4376 Manning Ridge Road
Painted Post, NY 14870

Laboratory Results for: Hyland Facility - Routine Parameters

Dear Mr.Stevens,

Enclosed are the results of the sample(s) submitted to our laboratory November 10, 2017
For your reference, these analyses have been assigned our service request number **R1710539**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

CC: Jon Brandes

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory
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Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com



Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Received: 11/07/17 - 11/10/17

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Twenty nine water samples were received for analysis at ALS Environmental on 11/07-10/2017. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}\text{C}$ upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Metals Analyses:

Method 6010C, 11/16/17: The control limits for matrix spike recovery of one or more of the spiked analytes are not applicable and have been flagged with a "#". The concentration of the analyte(s) in the parent sample is more than 4x the spike concentration. No further corrective action was required.

General Chemistry Analyses:

No significant anomalies were noted with this analysis.

Approved by  Date 11/20/2017



SAMPLE DETECTION SUMMARY

CLIENT ID: MW40A-1117 **Lab ID: R1710539-001**

Analyte	Results	Flag	MDL	PQL	Units	Method
Ammonia as Nitrogen, undistilled	0.0067		0.0008	0.0050	mg/L	ASTM
Chemical Oxygen Demand, Total	5.8		3.7	5.0	mg/L	410.4
Nitrogen, Total Kjeldahl (TKN)	0.67		0.08	0.20	mg/L	351.2

CLIENT ID: MW37A-1117 **Lab ID: R1710539-002**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	357		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.8	J	0.05	1.0	mg/L	SM 5310 C-
Nitrogen, Total Kjeldahl (TKN)	0.19	J	0.08	0.20	mg/L	351.2

CLIENT ID: MW36A-1117 **Lab ID: R1710539-003**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	414		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	2.0		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	5.4		3.7	5.0	mg/L	410.4
Nitrogen, Total Kjeldahl (TKN)	0.28		0.08	0.20	mg/L	351.2

CLIENT ID: MW26-1117 **Lab ID: R1710539-004**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	376		1.0	2.0	mg/L	SM 2320 B-
Bromide	0.8	J	0.4	1.0	mg/L	9056A
Carbon, Total Organic (TOC)	7.8		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	20.0		3.7	5.0	mg/L	410.4
Chloride	96.6		0.2	2.0	mg/L	9056A
Nitrate as Nitrogen	0.7	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.56		0.08	0.20	mg/L	351.2
Phenolics, Total Recoverable	0.0021	J	0.0019	0.0050	mg/L	9066
Solids, Total Dissolved (TDS)	734		4	10	mg/L	SM 2540 C-
Sulfate	138		0.4	4.0	mg/L	9056A

CLIENT ID: MW14-1117 **Lab ID: R1710539-005**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	148		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.1	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	2.4		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	156			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	175		4	10	mg/L	SM 2540 C-
Sulfate	19.1		0.2	2.0	mg/L	9056A
Calcium, Total	44400		400	1000	ug/L	6010C
Magnesium, Total	10900		300	1000	ug/L	6010C
Potassium, Total	1900	J	300	2000	ug/L	6010C
Sodium, Total	3400		400	1000	ug/L	6010C



SAMPLE DETECTION SUMMARY

CLIENT ID: MW37A-1117 Lab ID: R1710539-006

Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	1.6	J	0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	903			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	1240		4	10	mg/L	SM 2540 C-
Sulfate	628		4	40	mg/L	9056A
Calcium, Total	228000		4000	10000	ug/L	6010C
Iron, Total	310		80	100	ug/L	6010C
Magnesium, Total	80900		300	1000	ug/L	6010C
Potassium, Total	12400		300	2000	ug/L	6010C
Sodium, Total	43800		400	1000	ug/L	6010C

CLIENT ID: MW36A-1117 Lab ID: R1710539-007

Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	2.8		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	2180			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	2980		18	50	mg/L	SM 2540 C-
Sulfate	1890		8	80	mg/L	9056A
Calcium, Total	545000		7000	20000	ug/L	6010C
Iron, Total	220		80	100	ug/L	6010C
Magnesium, Total	200000		300	1000	ug/L	6010C
Manganese, Total	150		5	10	ug/L	6010C
Potassium, Total	13100		300	2000	ug/L	6010C
Sodium, Total	84200		400	1000	ug/L	6010C

CLIENT ID: MW26-1117 Lab ID: R1710539-008

Analyte	Results	Flag	MDL	PQL	Units	Method
Hardness, Total as CaCO3	600			6.62	mg/L	SM 2340 B-
Calcium, Total	171000		400	1000	ug/L	6010C
Iron, Total	150		80	100	ug/L	6010C
Magnesium, Total	41800		300	1000	ug/L	6010C
Manganese, Total	7	J	5	10	ug/L	6010C
Potassium, Total	2600		300	2000	ug/L	6010C
Sodium, Total	57300		400	1000	ug/L	6010C

CLIENT ID: MW41A-1117 Lab ID: R1710539-010

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	382		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	2.0		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	6.8		3.7	5.0	mg/L	410.4
Chloride	3.1		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	2590			6.62	mg/L	SM 2340 B-
Nitrogen, Total Kjeldahl (TKN)	0.13	J	0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	3500		17	48	mg/L	SM 2540 C-
Sulfate	2390		8	80	mg/L	9056A



SAMPLE DETECTION SUMMARY

CLIENT ID: MW41A-1117 **Lab ID: R1710539-010**

Analyte	Results	Flag	MDL	PQL	Units	Method
Calcium, Total	626000		7000	20000	ug/L	6010C
Magnesium, Total	248000		300	1000	ug/L	6010C
Manganese, Total	16		5	10	ug/L	6010C
Potassium, Total	15700		300	2000	ug/L	6010C
Sodium, Total	119000		400	1000	ug/L	6010C

CLIENT ID: MW42A-1117 **Lab ID: R1710539-011**

Analyte	Results	Flag	MDL	PQL	Units	Method
Ammonia as Nitrogen, undistilled	0.281		0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	2.1		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	12.4		3.7	5.0	mg/L	410.4
Chloride	3.7		0.2	2.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.77		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	3280		15	40	mg/L	SM 2540 C-
Sulfate	2060		8	80	mg/L	9056A

CLIENT ID: GSS1-1117 **Lab ID: R1710539-012**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	196		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	2.9		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	11.4		3.7	5.0	mg/L	410.4
Chloride	23.7		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	249			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.7	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.37		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	297		4	10	mg/L	SM 2540 C-
Sulfate	58.8		0.2	2.0	mg/L	9056A
Calcium, Total	71900		400	1000	ug/L	6010C
Iron, Total	4980		80	100	ug/L	6010C
Lead, Total	9	J	4	50	ug/L	6010C
Magnesium, Total	16900		300	1000	ug/L	6010C
Manganese, Total	99		5	10	ug/L	6010C
Potassium, Total	5700		300	2000	ug/L	6010C
Sodium, Total	8000		400	1000	ug/L	6010C

CLIENT ID: GSS2GH-117 **Lab ID: R1710539-013**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	362		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	3.2		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	8.5		3.7	5.0	mg/L	410.4
Chloride	9.2		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	812			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	1.8		0.04	1.0	mg/L	9056A



SAMPLE DETECTION SUMMARY

CLIENT ID: GSS2GH-117 **Lab ID: R1710539-013**

Analyte	Results	Flag	MDL	PQL	Units	Method
Nitrogen, Total Kjeldahl (TKN)	0.28		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	1050		4	10	mg/L	SM 2540 C-
Sulfate	493		2	20	mg/L	9056A
Calcium, Total	200000		4000	10000	ug/L	6010C
Iron, Total	1510		80	100	ug/L	6010C
Magnesium, Total	76200		300	1000	ug/L	6010C
Manganese, Total	559		5	10	ug/L	6010C
Potassium, Total	7700		300	2000	ug/L	6010C
Sodium, Total	22700		400	1000	ug/L	6010C

CLIENT ID: MW34-1117 **Lab ID: R1710539-014**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	252		1.0	2.0	mg/L	SM 2320 B-
Ammonia as Nitrogen, undistilled	0.253		0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	0.5	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	20.8		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	178			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.6	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.34		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	378		4	10	mg/L	SM 2540 C-
Sulfate	67.1		0.2	2.0	mg/L	9056A
Calcium, Total	47600		400	1000	ug/L	6010C
Iron, Total	160		80	100	ug/L	6010C
Magnesium, Total	14300		300	1000	ug/L	6010C
Manganese, Total	117		5	10	ug/L	6010C
Potassium, Total	1400	J	300	2000	ug/L	6010C
Sodium, Total	74700		400	1000	ug/L	6010C

CLIENT ID: DUP1-1117 **Lab ID: R1710539-015**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	252		1.0	2.0	mg/L	SM 2320 B-
Ammonia as Nitrogen, undistilled	0.256		0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	0.4	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	20.8		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	179			6.62	mg/L	SM 2340 B-
Nitrogen, Total Kjeldahl (TKN)	0.31		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	373		4	10	mg/L	SM 2540 C-
Sulfate	66.9		0.2	2.0	mg/L	9056A
Calcium, Total	47900		400	1000	ug/L	6010C
Iron, Total	170		80	100	ug/L	6010C
Magnesium, Total	14400		300	1000	ug/L	6010C
Manganese, Total	118		5	10	ug/L	6010C



SAMPLE DETECTION SUMMARY

CLIENT ID: DUP1-1117 **Lab ID: R1710539-015**

Analyte	Results	Flag	MDL	PQL	Units	Method
Potassium, Total	1400	J	300	2000	ug/L	6010C
Sodium, Total	75400		400	1000	ug/L	6010C

CLIENT ID: MW37-1117 **Lab ID: R1710539-016**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	232		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.1	J	0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	5.4		3.7	5.0	mg/L	410.4
Chloride	8.6		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	278			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	293		4	10	mg/L	SM 2540 C-
Sulfate	49.2		0.2	2.0	mg/L	9056A
Calcium, Total	71500		400	1000	ug/L	6010C
Magnesium, Total	24100		300	1000	ug/L	6010C
Potassium, Total	2300		300	2000	ug/L	6010C
Sodium, Total	7600		400	1000	ug/L	6010C

CLIENT ID: MW47A-1117 **Lab ID: R1710539-017**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	262		1.0	2.0	mg/L	SM 2320 B-
Ammonia as Nitrogen, undistilled	0.094		0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	1.7		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	4.7	J	3.7	5.0	mg/L	410.4
Chloride	2.6		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	856			6.62	mg/L	SM 2340 B-
Nitrogen, Total Kjeldahl (TKN)	0.23		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	1180		8	20	mg/L	SM 2540 C-
Sulfate	728		2	20	mg/L	9056A
Calcium, Total	220000		4000	10000	ug/L	6010C
Iron, Total	1500		80	100	ug/L	6010C
Magnesium, Total	74400		300	1000	ug/L	6010C
Manganese, Total	1190		5	10	ug/L	6010C
Potassium, Total	6600		300	2000	ug/L	6010C
Sodium, Total	50600		400	1000	ug/L	6010C

CLIENT ID: MW40-1117 **Lab ID: R1710539-020**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	180		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.4	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	11.8		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	206			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.6	J	0.04	1.0	mg/L	9056A
Solids, Total Dissolved (TDS)	221		4	10	mg/L	SM 2540 C-



SAMPLE DETECTION SUMMARY

CLIENT ID: MW40-1117 **Lab ID: R1710539-020**

Analyte	Results	Flag	MDL	PQL	Units	Method
Sulfate	29.4		0.2	2.0	mg/L	9056A
Calcium, Total	43200		400	1000	ug/L	6010C
Iron, Total	510		80	100	ug/L	6010C
Magnesium, Total	23800		300	1000	ug/L	6010C
Manganese, Total	11		5	10	ug/L	6010C
Potassium, Total	2900		300	2000	ug/L	6010C
Sodium, Total	8700		400	1000	ug/L	6010C

CLIENT ID: MW19-1117 **Lab ID: R1710539-021**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	167		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	1.8		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	6.8		3.7	5.0	mg/L	410.4
Chloride	16.2		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	183			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.8	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.17	J	0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	210		4	10	mg/L	SM 2540 C-
Sulfate	21.6		0.2	2.0	mg/L	9056A
Calcium, Total	46500		400	1000	ug/L	6010C
Iron, Total	90	J	80	100	ug/L	6010C
Magnesium, Total	16300		300	1000	ug/L	6010C
Manganese, Total	5	J	5	10	ug/L	6010C
Potassium, Total	2800		300	2000	ug/L	6010C
Sodium, Total	14000		400	1000	ug/L	6010C

CLIENT ID: MW31-1117 **Lab ID: R1710539-022**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	71.6		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.5	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	31.7		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	228			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	1.3		0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.14	J	0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	306		4	10	mg/L	SM 2540 C-
Sulfate	142		0.8	8.0	mg/L	9056A
Calcium, Total	67400		400	1000	ug/L	6010C
Magnesium, Total	14600		300	1000	ug/L	6010C
Potassium, Total	2200		300	2000	ug/L	6010C
Sodium, Total	11500		400	1000	ug/L	6010C



SAMPLE DETECTION SUMMARY

CLIENT ID: EB1-1117 **Lab ID: R1710539-023**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	5.6		1.0	2.0	mg/L	SM 2320 B-
Solids, Total Dissolved (TDS)	11		4	10	mg/L	SM 2540 C-
Calcium, Total	1300		400	1000	ug/L	6010C
Manganese, Total	14		5	10	ug/L	6010C
Sodium, Total	800	J	400	1000	ug/L	6010C

CLIENT ID: Clark-Shay-1117 **Lab ID: R1710539-024**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	126		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.4	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	77.9		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	204			6.62	mg/L	SM 2340 B-
Nitrogen, Total Kjeldahl (TKN)	0.22		0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	270		4	10	mg/L	SM 2540 C-
Sulfate	18.1		0.2	2.0	mg/L	9056A
Calcium, Total	57200		400	1000	ug/L	6010C
Magnesium, Total	14700		300	1000	ug/L	6010C
Potassium, Total	1700	J	300	2000	ug/L	6010C
Sodium, Total	20000		400	1000	ug/L	6010C

CLIENT ID: H.Gordon-1117 **Lab ID: R1710539-025**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	239		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.2	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	3.6		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	255			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	299		4	10	mg/L	SM 2540 C-
Sulfate	43.2		0.2	2.0	mg/L	9056A
Calcium, Total	70500		400	1000	ug/L	6010C
Magnesium, Total	19200		300	1000	ug/L	6010C
Manganese, Total	7	J	5	10	ug/L	6010C
Potassium, Total	2500		300	2000	ug/L	6010C
Sodium, Total	12400		400	1000	ug/L	6010C

CLIENT ID: E.Gordon-1117 **Lab ID: R1710539-026**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	145		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	0.2	J	0.05	1.0	mg/L	SM 5310 C-
Chloride	2.2		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	154			6.62	mg/L	SM 2340 B-
Solids, Total Dissolved (TDS)	181		4	10	mg/L	SM 2540 C-
Sulfate	19.9		0.2	2.0	mg/L	9056A
Calcium, Total	47300		400	1000	ug/L	6010C



SAMPLE DETECTION SUMMARY

CLIENT ID: E.Gordon-1117 **Lab ID: R1710539-026**

Analyte	Results	Flag	MDL	PQL	Units	Method
Magnesium, Total	8700		300	1000	ug/L	6010C
Potassium, Total	1200	J	300	2000	ug/L	6010C
Sodium, Total	4500		400	1000	ug/L	6010C

CLIENT ID: Camp-1117 **Lab ID: R1710539-027**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	28.4		1.0	2.0	mg/L	SM 2320 B-
Carbon, Total Organic (TOC)	1.9		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	7.5		3.7	5.0	mg/L	410.4
Chloride	2.0		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	33.5			6.62	mg/L	SM 2340 B-
Nitrogen, Total Kjeldahl (TKN)	0.09	J	0.08	0.20	mg/L	351.2
Solids, Total Dissolved (TDS)	58		4	10	mg/L	SM 2540 C-
Sulfate	7.9		0.2	2.0	mg/L	9056A
Calcium, Total	8400		400	1000	ug/L	6010C
Iron, Total	290		80	100	ug/L	6010C
Magnesium, Total	3000		300	1000	ug/L	6010C
Potassium, Total	1100	J	300	2000	ug/L	6010C
Sodium, Total	1700		400	1000	ug/L	6010C

CLIENT ID: DB3-1117 **Lab ID: R1710539-028**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	88.0		1.0	2.0	mg/L	SM 2320 B-
Ammonia as Nitrogen, undistilled	0.037	J	0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	3.2		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	10.8		3.7	5.0	mg/L	410.4
Chloride	5.1		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO3	156			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.6	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.54		0.08	0.20	mg/L	351.2
Phenolics, Total Recoverable	0.0044	J	0.0019	0.0050	mg/L	9066
Solids, Total Dissolved (TDS)	217		4	10	mg/L	SM 2540 C-
Sulfate	73.4		0.2	2.0	mg/L	9056A
Calcium, Total	40900		400	1000	ug/L	6010C
Iron, Total	4570		80	100	ug/L	6010C
Magnesium, Total	13000		300	1000	ug/L	6010C
Manganese, Total	87		5	10	ug/L	6010C
Potassium, Total	5400		300	2000	ug/L	6010C
Sodium, Total	4300		400	1000	ug/L	6010C

CLIENT ID: DB2-1117 **Lab ID: R1710539-029**

Analyte	Results	Flag	MDL	PQL	Units	Method
Alkalinity, Total as CaCO3	105		1.0	2.0	mg/L	SM 2320 B-



SAMPLE DETECTION SUMMARY

CLIENT ID: DB2-1117 **Lab ID: R1710539-029**

Analyte	Results	Flag	MDL	PQL	Units	Method
Ammonia as Nitrogen, undistilled	0.136		0.008	0.050	mg/L	ASTM
Carbon, Total Organic (TOC)	4.6		0.05	1.0	mg/L	SM 5310 C-
Chemical Oxygen Demand, Total	14.0		3.7	5.0	mg/L	410.4
Chloride	4.1		0.2	2.0	mg/L	9056A
Hardness, Total as CaCO ₃	144			6.62	mg/L	SM 2340 B-
Nitrate as Nitrogen	0.7	J	0.04	1.0	mg/L	9056A
Nitrogen, Total Kjeldahl (TKN)	0.93		0.08	0.20	mg/L	351.2
Phenolics, Total Recoverable	0.0041	J	0.0019	0.0050	mg/L	9066
Solids, Total Dissolved (TDS)	232		4	10	mg/L	SM 2540 C-
Sulfate	41.7		0.2	2.0	mg/L	9056A
Calcium, Total	38600		400	1000	ug/L	6010C
Iron, Total	5450		80	100	ug/L	6010C
Magnesium, Total	11600		300	1000	ug/L	6010C
Manganese, Total	174		5	10	ug/L	6010C
Potassium, Total	5900		300	2000	ug/L	6010C
Sodium, Total	4300		400	1000	ug/L	6010C



Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request:R1710539

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R1710539-001	MW40A-1117	11/6/2017	1240
R1710539-002	MW37A-1117	11/6/2017	1330
R1710539-003	MW36A-1117	11/6/2017	1345
R1710539-004	MW26-1117	11/6/2017	1405
R1710539-005	MW14-1117	11/6/2017	1430
R1710539-006	MW37A-1117	11/7/2017	0850
R1710539-007	MW36A-1117	11/7/2017	0920
R1710539-008	MW26-1117	11/7/2017	0940
R1710539-009	MW14-1117	11/7/2017	1000
R1710539-010	MW41A-1117	11/7/2017	1025
R1710539-011	MW42A-1117	11/7/2017	1100
R1710539-012	GSS1-1117	11/7/2017	1250
R1710539-013	GSS2GH-117	11/7/2017	1315
R1710539-014	MW34-1117	11/7/2017	1420
R1710539-015	DUP1-1117	11/7/2017	1430
R1710539-016	MW37-1117	11/8/2017	1025
R1710539-017	MW47A-1117	11/8/2017	1200
R1710539-018	MW36A-1117	11/8/2017	1250
R1710539-019	MW41A-1117	11/8/2017	1400
R1710539-020	MW40-1117	11/8/2017	1425
R1710539-021	MW19-1117	11/8/2017	1100
R1710539-022	MW31-1117	11/8/2017	1240
R1710539-023	EB1-1117	11/9/2017	0815
R1710539-024	Clark-Shay-1117	11/9/2017	1030
R1710539-025	H.Gordon-1117	11/9/2017	1125
R1710539-026	E.Gordon-1117	11/9/2017	1145
R1710539-027	Camp-1117	11/9/2017	1215
R1710539-028	DB3-1117	11/9/2017	1315
R1710539-029	DB2-1117	11/9/2017	1345

ALS
 ALS-Environmental
 1565 Jefferson Rd, Bldg 300, Suite 360
 Rochester, NY 14623
 585.288.5380

Client: **Casella/On-Site**
 6653 Herdman Road
 Angelica, NY 14709

Project Manager: **Lance Stevens/Jon Brandes**

CHAIN of CUSTODY

Project: **Hyland Facility - Routine Parameters**

Telephone No. 585-593-1824
 Email: jonb@on-sitehs.com

Page 1 of 1

Method of Shipment
UPS

Special Detection Limit/Reporting

PDF to Lance and On-Site, and EDD to On-Site.


Sample I.D.	Lab Sample No.	No. of Containers	Matrix				Prsv.		Sampling Date	Sampling Time	BOD (NP)	Phenols & TOC (H2SO4)	Alkalinity (NP)	NH3, TKN, COD (H2SO4)	T-Metals, Hardness (Routine) (HNO3)	TDS, NO3, Br, Cl, SO4 (NP)
			Soil	Water	Air	Other	Yes	No								
MW37A-1117		3	X			X	X	11-7-17	0850	X				X	X	
MW36A-1117		2	X			X	X	11-7-17	0920					X	X	
MW26-1117		2	X			X	X	11-7-17	0940	X				X		
MW14-1117		1	X				X	11-7-17	1000	X						
MW41A-1117		5	X			X	X	11-7-17	1025		X	X	X	X	X	
47MW42A-1117		3	X			X	X	11-7-17	1100		X	X		X		
GSS1-1117		6	X			X	X	11-7-17	1250	X	X	X	X	X	X	
GSS2GH-1117		6	X			X	X	11-7-17	1315	X	X	X	X	X	X	
MW34-1117		6	X			X	X	11-7-17	1420	X	X	X	X	X	X	
Dup1-1117		6	X			X	X	11-7-17	1430	X	X	X	X	X	X	

REMARKS

Partial Samples Low Yield

Sample Received Intact: Yes No Temperature received: Ice No

R1710539
 Casella Waste Systems
 Hyland Facility - Routine Parameters



5

rk No.

Relinq. by sampler (Sign & Print Name) <i>Karen Dye / Kevin Dye</i>	Date Time 11-7-17 1545	Received by (Sign & Print Name)
Relinquished by	Date Time	Received by
Relinquished by	Date Time	Received by
Relinquished by	Date Time	Received by laboratory <i>Shay L/S</i>
	Date Time 11/8/17 0945	



Cooler Receipt and Preservation Check Form

R17103399
Gasella Waste Systems
Hyland Facility - Routine Parameters

5

Project/Client Cauffe Folder Number Ry7-10B39

Cooler received on 11/8/17 by: @

COURIER: ALS- UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="radio"/> Y	<input type="radio"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="radio"/> Y	<input type="radio"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="radio"/> Y	<input type="radio"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="radio"/> Y	<input type="radio"/> N

5a	Perrchlorate samples have required headspace?	<input type="radio"/> Y	<input type="radio"/> N	<input checked="" type="radio"/> NA
5b	Did VOA vials <u>Alk</u> or Sulfide have sig* bubbles?	<input type="radio"/> Y	<input checked="" type="radio"/> N	<input type="radio"/> NA
6	Where did the bottles originate?	<u>ALS/RO2</u>	CLIENT	
7	Soil VOA received as:	<u>Bulk</u>	<u>Encore</u>	<u>5035set</u> <input checked="" type="radio"/> NA

§. Temperature Readings Date: 11/8/17 Time: 16:05 ID: IR#7 IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>0.7</u>	<u>1.2</u>	<u>2.0</u>							
Correction Factor (°C)	<u>+1.5</u>	<u>+1.5</u>	<u>+1.5</u>							
Corrected Temp (°C)	<u>2.2</u>	<u>2.7</u>	<u>3.5</u>							
Temp from Type of bottle	<u>cool tube</u> →									
Within 0-6°C?	<input checked="" type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N	<input checked="" type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N
If <6°C, were samples frozen?	<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N	<input type="radio"/> Y	<input type="radio"/> N

If out of Temperature, note packing/ice condition: _____ Ice melted Pootily Packaged (described below) Same Day Rule
& Client Approval to Run Samples: _____ Sampling Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: IR#002 by AJ on 11/8/17 at 1001
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/8/17 Time: 17:45 by: NV

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO N/A
- 13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2	<u>201817</u>	HNO3	<input checked="" type="checkbox"/>		<u>80324153E</u>	<u>9/18</u>				
≤2	<u>17</u>	H2SO4	<input checked="" type="checkbox"/>		<u>183735</u>	<u>10/18</u>				
≤4		NaHSO4								
Residual Chlorine (-)		For CN Phenol and 522	<input checked="" type="checkbox"/>		If +, contact PM to add Na2S2O3 (EM), ascorbic (phenol).					
		Na2S2O3	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis - pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 047587 = 18106, 0475117 = 7.1.1.40, 040477-17-157

Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SOB	MARRS
ALS	REV

Labels secondary reviewed by: DT ~/11/17

PC Secondary Review: UN Significant air bubbles: VOA ≥ 3-6 mm : WE ≥ 1 in. diameter



Cooler Receipt and Preservation Check Form

R1710539 5

Carroll Waste Systems
Hyland Facility - Routine Parameters



Project/Client: CLSA Folder Number: FF/F

Cooler received on: 11/9/17 by: ML/021

COURIER: ALS DEPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

5a	Perchlorate samples have required headspace?	<input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/> NA
6	Where did the bottles originate?	<u>ALS/ROC</u> <u>CLIENT</u>
7	Soil VOA received as:	<u>Bulk</u> <u>Encore</u> <u>5035set</u> <u>NA</u>

Temperature Readings Date: 11/9/17 Time: 10:30 ID: IR#7109 From: Temp Blank Sample Bottle

Dissect Temp (C)	<u>0.5</u>	<u>2.6</u>						
Correction Factor (CC)	<u>11.5</u>	<u>10.6</u>						
Corrected Temp (C)	<u>2.3</u>	<u>3.2</u>						
Temp from Type of bottle	<u>cent tube</u>	<u>Cent tube</u>						
Within 0-6°C?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
If <0°C, were samples frozen?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R-002 by: ML/16 on 11.9.17 at 1037
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/10/17 Time: 1100 by: 0

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
2		NaOH								
3	<u>0133116</u>	HNO ₃	<input checked="" type="checkbox"/>		<u>100-2-15-9E</u>	<u>9/18</u>				
3		H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>1K-3-93T</u>	<u>9/18</u>				
4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol ana 512	<input checked="" type="checkbox"/>		If +, contact PM to add Na ₂ SO ₃ (CN), ascorbic (phenol).					
		Na ₂ SO ₃	-	-						
		Zn Acetate	-	-						
		HCl	**	**						

**Not to be tested before analysis -- pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 055117-201-AE, 060317-16-MC, 052717-201-AD
Explain all Discrepancies/ Other Comments:

CURRES	BULK
DO	FLDT
HPR0D	HGRB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: ML
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC ≥ 1 in. diameter
19 of 124



Cooler Receipt and Preservation Check Form

B17-1053939 5
Waste Systems
Hyland Facility - Routine Parameters

Project/Client Casella Folder Number B17/DS39

Cooler received on 11/10/17 by: AE

COURIER: ALS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="radio"/> Y <input type="radio"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="radio"/> Y <input type="radio"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="radio"/> Y <input type="radio"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="radio"/> Y <input type="radio"/> N

5a	Perchlorate samples have required headspace?	<input type="radio"/> Y <input type="radio"/> N <input checked="" type="radio"/> NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	<input type="radio"/> Y <input checked="" type="radio"/> N <input type="radio"/> NA
6	Where did the bottles originate?	<u>ALS/ROG</u> CLIENT
7	Soil VOA received as: Bulk Encore 5035set	<input checked="" type="radio"/> NA

8. Temperature Readings Date: 11/10/17 Time: 1000 ID: (IR#7) IR#9 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>1.1</u>	<u>0.6</u>						
Correction Factor (°C)	<u>+0.6</u>	<u>→</u>						
Corrected Temp (°C)	<u>1.7</u>	<u>1.2</u>						
Temp from: Type of bottle	<u>out side</u>	<u>→</u>						
Within 0-6°C?	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N
If ≤0°C, were samples frozen?	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N	<input type="radio"/> Y <input type="radio"/> N

If out of Temperature, note packing/ice condition: Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: Standing Standing Approval Client aware at drop-off Client notified by: ---

All samples held in storage location: R002 by AE on 11/10/17 at 1006
5035 samples placed in storage location: --- by --- on --- at ---

Cooler Breakdown: Date: 11-13-17 Time: 08:15 by: AE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≥2	<u>213016</u>	HNO3	<u>X</u>		<u>BDBAC 1230E</u>	<u>07/13</u>				
≥2	<u>↓</u>	H2SO4	<u>X</u>		<u>M3735</u>	<u>10/18</u>				
≤4		NaHSO4								
Residual Chlorine (-)		For CN Phenol and 522			If +, contact PM to add Na2S2O3 (CN), ascorbic (phenol).					
		Na2S2O8	-	-						
		ZnAcetate	-	-						
		HCl	**	**						

**Not to be tested before analysis - pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 02-517-11 BMC 02-517-11 AAV 02-517-11 AM
Explain all Discrepancies/ Other Comments: ---

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV

Labels secondary reviewed by: AE
PC Secondary Review: ---

*significant air bubbles: VOA > 5-6 mm :: WC > 1 in. diameter



ALS-Environmental
1565 Jefferson Rd, Bldg 300, Suite 360
Rochester, NY 14623
585.288.5380

Client: **Casella/OnSite**
6658 Herdman Road
Angelica, NY 14709

CHAIN off CUSCODOY

Project Manager: **Lance Stevens/Jon Brandes**

Project: **Hyland Facility - Routine Parameters**
Telephone No. 585.593.1824
Email: jontb@onsites.com

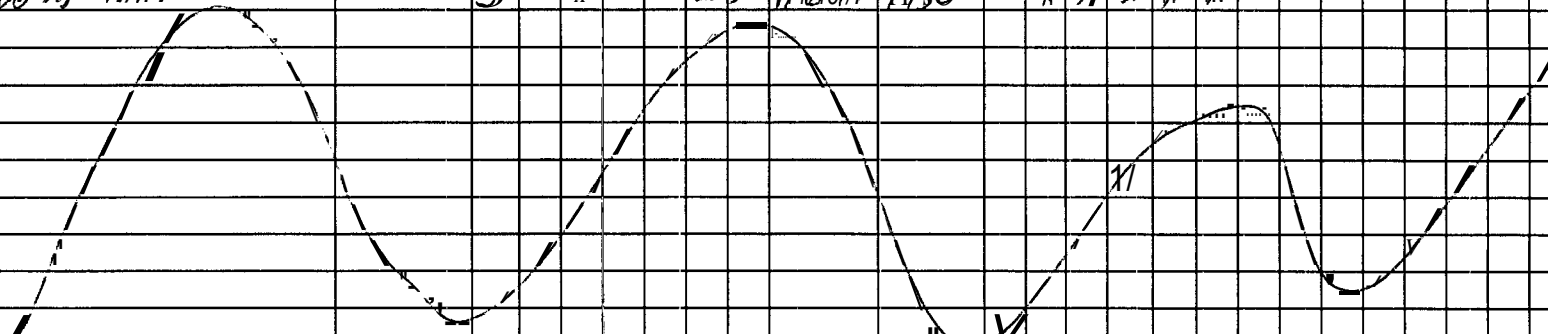
Method of Shipment
UFS

Special Detection Limit/Reporting

PDF to Lance and On-Site, and EDD to On-Site.

Sample I.D.

Lab Sample No.	No. of Containers	Matrix				Prsv.		Sampling Date	Sampling Time	BOD (NP)	Phenols & TOC (H2SO4)	Alkalinity (NP)	NH3 TKN COD (H2SO4)	T-Metals, Hardness (Fouling) (HNO3)	TDS, NO2, BF, Cl, SO4 (NP)
		Soil	Water	Air	Other	Yes	No								
MW 37A - 11/17	1	X				X		11-6-17	12:40						
MW 37A - 11/17	3	X				X	X	11-6-17	13:30	X	X	X			
MW 36A - 11/17	3	X				X	X	11-6-17	13:45	X	X	X			
MW 36A - 11/17	4	X				X	X	11-6-17	14:05	X	X	X		X	
MW 14 - 11/17	5	X				X	X	11-6-17	14:30	X	X	X	X	X	



R
E
M
A
R
K
S

Sample Received Intact: Yes No Temperature received: 66 / No ice

Relinquished by (Sign & Print Name) <i>Kevin D. Stevens</i>	Date: Time 11-6-17 13:30	Received by (Sign & Print Name) <i>Gregory A. Conner</i>	Date: Time 11-7-17 09:30
Relinquished by	Date: Time	Received by	Date: Time
Relinquished by	Date: Time	Received by laboratory	Date: Time

Lab Work No.

R1710539 5
Casella Waste Systems
Hyland Facility - Routine Parameters



Cooler Receipt and Preservation Check Form

Project/Client Cell 11A Folder Number _____

Cooler received on 11-7-17 by: HE COURIER: A-ALS-FEPS-E-PEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
2	Custody papers properly completed (ink, signed)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
3	Did all bottles arrive in good condition (unbroken)?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N

5a	Perchlorate samples have required headspace?	Y N <u>NA</u>
5b	Did WOA vials, Alk, or Sulfide have sig* bubbles?	Y N <u>NA</u>
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil WOA received as:	Bulk Encore 5035set <u>NA</u>

8. Temperature Readings Date: 11-7-17 Time: 09:48 ID: IR#7 (REV) From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>5.1</u>								
Correction Factor (°C)	<u>-10.6</u>								
Corrected Temp (°C)	<u>-5.7</u>								
Temp from Type of bottle	<u>DRY ICE</u>								
Within 0-6°C? ...	<u>NO</u> N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N	Y N	

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule
& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: ROCK by HE on 11-7-17 at 09:51
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown: Date: 11/7/17 Time: 1345 by: HE

- 9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
- 10. Did all bottle labels and tags agree with custody papers? YES NO
- 11. Were correct containers used for the tests indicated? YES NO
- 12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
- 13. Air Samples: Cassettes / Tubes Intact _____ Canisters Pressurized _____ Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
9	<u>213916</u>	HNO ₃	<input checked="" type="checkbox"/>		<u>AD076159E</u>	<u>10/16</u>				
≤2		H ₂ SO ₄	<input checked="" type="checkbox"/>		<u>183935</u>	<u>11/16</u>				
≤4		NaHSO ₄								
Residual Chlorine (-)		For CN Phenol and 522	<input checked="" type="checkbox"/>		If +, contact PM to add Na ₂ S ₂ O ₃ (EN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃	-	-						
		Zn Acetate	-	-						
		HCl	**	**						

*Not to be tested before analysis - pH tested and recorded by VOAs on a separate worksheet

Bottle lot numbers: 082012-2110, 082017-1811C
Explain all Discrepancies/ Other Comments:

CLRES	BULK
DO	FLDT
HPROD	HGFB
HTR	LL3541
PH	SUB
SO3	MARRS
ALS	REV



Miscellaneous Forms

ALS Environmental—Rochester Laboratory
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REPORT QUALIFIERS AND DEFINITIONS

- | | |
|---|--|
| <p>U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.</p> <p>J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).</p> <p>B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.</p> <p>E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.</p> <p>E Organics- Concentration has exceeded the calibration range for that specific analysis.</p> <p>D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.</p> <p>* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.</p> <p>H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.</p> <p># Spike was diluted out.</p> | <p>+ Correlation coefficient for MSA is <0.995.</p> <p>N Inorganics- Matrix spike recovery was outside laboratory limits.</p> <p>N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.</p> <p>S Concentration has been determined using Method of Standard Additions (MSA).</p> <p>W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.</p> <p>P Concentration >40% (25% for CLP) difference between the two GC columns.</p> <p>C Confirmed by GC/MS</p> <p>Q DoD reports: indicates a pesticide/Aroclor is not confirmed ($\times 100\%$ Difference between two GC columns).</p> <p>X See Case Narrative for discussion.</p> <p>MRL Method Reporting Limit. Also known as:</p> <p>LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.</p> <p>MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).</p> <p>LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.</p> <p>ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.</p> |
|---|--|



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW40A-1117
Lab Code: R1710539-001
Sample Matrix: Water

Date Collected: 11/6/17
Date Received: 11/7/17

Analysis Method
351.2
410.4
ASTM D6919-09

Extracted/Digested By
NSMITH

Analyzed By
GNITAJOUPPI
MROGERSON
AFELSER

Sample Name: MW37A-1117
Lab Code: R1710539-002
Sample Matrix: Water

Date Collected: 11/6/17
Date Received: 11/7/17

Analysis Method
351.2
410.4
9066
ASTM D6919-09
SM 2320 B-1997(2011)
SM 5310 C-2000(2011)

Extracted/Digested By
NSMITH

Analyzed By
GNITAJOUPPI
MROGERSON
BBOWE
AFELSER
CWOODS
CWOODS

Sample Name: MW36A-1117
Lab Code: R1710539-003
Sample Matrix: Water

Date Collected: 11/6/17
Date Received: 11/7/17

Analysis Method
351.2
410.4
9066
ASTM D6919-09
SM 2320 B-1997(2011)
SM 5310 C-2000(2011)

Extracted/Digested By
NSMITH

Analyzed By
GNITAJOUPPI
MROGERSON
BBOWE
AFELSER
CWOODS
CWOODS

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW26-1117
Lab Code: R1710539-004
Sample Matrix: Water

Date Collected: 11/6/17
Date Received: 11/7/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGES
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW14-1117
Lab Code: R1710539-005
Sample Matrix: Water

Date Collected: 11/6/17
Date Received: 11/7/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGES
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW37A-1117
Lab Code: R1710539-006
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
9056A		AMOSSES

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW37A-1117
Lab Code: R1710539-006
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
SM 2340 B-1997(2011)		NA
SM 2540 C-1997(2011)		KMENG
SM 5210 B-2001(2011)		TSANTIAGO

Sample Name: MW36A-1117
Lab Code: R1710539-007
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
9056A		AMOS
SM 2340 B-1997(2011)		NA
SM 2540 C-1997(2011)		KMENG

Sample Name: MW26-1117
Lab Code: R1710539-008
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
6010C	KMCLAEN	NMANSEN
SM 2340 B-1997(2011)		CWOODS
SM 5210 B-2001(2011)		TSANTIAGO

Sample Name: MW14-1117
Lab Code: R1710539-009
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
SM 5210 B-2001(2011)		TSANTIAGO

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW41A-1117
Lab Code: R1710539-010
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	KMCLAEN	NMANSEN
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		NA
SM 2540 C-1997(2011)		KMENGS
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW42A-1117
Lab Code: R1710539-011
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2540 C-1997(2011)		KMENGS
SM 5310 C-2000(2011)		CWOODS

Sample Name: GSS1-1117
Lab Code: R1710539-012
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	KMCLAEN	NMANSEN

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: GSS1-1117
Lab Code: R1710539-012
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
9056A		AMOSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGS
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

Sample Name: GSS2GH-117
Lab Code: R1710539-013
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	KMCLAEN	NMANSEN
9056A		AMOSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		NA
SM 2540 C-1997(2011)		KMENGS
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW34-1117
Lab Code: R1710539-014
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW34-1117
Lab Code: R1710539-014
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
410.4		MROGERSON
6010C	KMCLAEN	NMANSEN
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGS
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

Sample Name: DUP1-1117
Lab Code: R1710539-015
Sample Matrix: Water

Date Collected: 11/7/17
Date Received: 11/8/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	KMCLAEN	NMANSEN
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KMENGS
SM 5210 B-2001(2011)		TSANTIAGO
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW37-1117
Lab Code: R1710539-016
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW47A-1117
Lab Code: R1710539-017
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW36A-1117
Lab Code: R1710539-018
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method
SM 5210 B-2001(2011)

Extracted/Digested By

Analyzed By
AFELSER

Sample Name: MW41A-1117
Lab Code: R1710539-019
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method
SM 5210 B-2001(2011)

Extracted/Digested By

Analyzed By
AFELSER

Sample Name: MW40-1117
Lab Code: R1710539-020
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method
351.2
410.4
6010C
9056A
9066

Extracted/Digested By
NSMITH

NMANSEN

Analyzed By
GNITAJOUPPI
MROGERSON
CKUTZER
AMOSSES
BBOWE

ASTM D6919-09
SM 2320 B-1997(2011)
SM 2340 B-1997(2011)
SM 2540 C-1997(2011)
SM 5210 B-2001(2011)
SM 5310 C-2000(2011)

AFELSER
CWOODS
CWOODS
KWONG
AFELSER
CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: MW19-1117
Lab Code: R1710539-021
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: MW31-1117
Lab Code: R1710539-022
Sample Matrix: Water

Date Collected: 11/8/17
Date Received: 11/9/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		MROGERSON
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: EB1-1117
Lab Code: R1710539-023
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: Clark-Shay-1117
Lab Code: R1710539-024
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: H.Gordon-1117
Lab Code: R1710539-025
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: E.Gordon-1117
Lab Code: R1710539-026
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: Camp-1117
Lab Code: R1710539-027
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

Sample Name: DB3-1117
Lab Code: R1710539-028
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS

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Analyst Summary report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters

Service Request: R1710539

Sample Name: DB2-1117
Lab Code: R1710539-029
Sample Matrix: Water

Date Collected: 11/9/17
Date Received: 11/10/17

Analysis Method	Extracted/Digested By	Analyzed By
351.2	NSMITH	GNITAJOUPPI
410.4		GNITAJOUPPI
6010C	NMANSEN	CKUTZER
9056A		AMOSSES
9066		BBOWE
ASTM D6919-09		AFELSER
SM 2320 B-1997(2011)		CWOODS
SM 2340 B-1997(2011)		CWOODS
SM 2540 C-1997(2011)		KWONG
SM 5210 B-2001(2011)		AFELSER
SM 5310 C-2000(2011)		CWOODS



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid Soluble	9030B
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction

For analytical methods not listed, the preparation method is the same as the analytical method reference.



Sample Results

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Metals

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW14-1117
Lab Code: R1710539-005

Service Request: R1710539
Date Collected: 11/06/17 14:30
Date Received: 11/07/17 09:30
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 17:35	11/13/17	
Calcium, Total	6010C	44400	ug/L	1000	400	1	11/16/17 17:35	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 17:35	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 17:35	11/13/17	
Magnesium, Total	6010C	10900	ug/L	1000	300	1	11/16/17 17:35	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 17:35	11/13/17	
Potassium, Total	6010C	1900 J	ug/L	2000	300	1	11/16/17 17:35	11/13/17	
Sodium, Total	6010C	3400	ug/L	1000	400	1	11/16/17 17:35	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW37A-1117
Lab Code: R1710539-006

Service Request: R1710539
Date Collected: 11/07/17 08:50
Date Received: 11/08/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 21:54	11/09/17	
Calcium, Total	6010C	228000	ug/L	10000	4000	10	11/14/17 00:09	11/09/17	
Iron, Total	6010C	310	ug/L	100	80	1	11/10/17 21:54	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 21:54	11/09/17	
Magnesium, Total	6010C	80900	ug/L	1000	300	1	11/10/17 21:54	11/09/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/10/17 21:54	11/09/17	
Potassium, Total	6010C	12400	ug/L	2000	300	1	11/10/17 21:54	11/09/17	
Sodium, Total	6010C	43800	ug/L	1000	400	1	11/10/17 21:54	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW36A-1117
Lab Code: R1710539-007

Service Request: R1710539
Date Collected: 11/07/17 09:20
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 21:58	11/09/17	
Calcium, Total	6010C	545000	ug/L	20000	7000	20	11/14/17 00:16	11/09/17	
Iron, Total	6010C	220	ug/L	100	80	1	11/10/17 21:58	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 21:58	11/09/17	
Magnesium, Total	6010C	200000	ug/L	1000	300	1	11/10/17 21:58	11/09/17	
Manganese, Total	6010C	150	ug/L	10	5	1	11/10/17 21:58	11/09/17	
Potassium, Total	6010C	13100	ug/L	2000	300	1	11/10/17 21:58	11/09/17	
Sodium, Total	6010C	84200	ug/L	1000	400	1	11/10/17 21:58	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW26-1117
Lab Code: R1710539-008

Service Request: R1710539
Date Collected: 11/07/17 09:40
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:01	11/09/17	
Calcium, Total	6010C	171000	ug/L	1000	400	1	11/10/17 22:01	11/09/17	
Iron, Total	6010C	150	ug/L	100	80	1	11/10/17 22:01	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 22:01	11/09/17	
Magnesium, Total	6010C	41800	ug/L	1000	300	1	11/10/17 22:01	11/09/17	
Manganese, Total	6010C	7 J	ug/L	10	5	1	11/10/17 22:01	11/09/17	
Potassium, Total	6010C	2600	ug/L	2000	300	1	11/10/17 22:01	11/09/17	
Sodium, Total	6010C	57300	ug/L	1000	400	1	11/10/17 22:01	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/07/17 10:25
Date Received: 11/08/17 09:45

Sample Name: MW41A-1117
Lab Code: R1710539-010

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:04	11/09/17	
Calcium, Total	6010C	626000	ug/L	20000	7000	20	11/14/17 00:19	11/09/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/10/17 22:04	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 22:04	11/09/17	
Magnesium, Total	6010C	248000	ug/L	1000	300	1	11/10/17 22:04	11/09/17	
Manganese, Total	6010C	16	ug/L	10	5	1	11/10/17 22:04	11/09/17	
Potassium, Total	6010C	15700	ug/L	2000	300	1	11/10/17 22:04	11/09/17	
Sodium, Total	6010C	119000	ug/L	1000	400	1	11/10/17 22:04	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: GSS1-1117
Lab Code: R1710539-012

Service Request: R1710539
Date Collected: 11/07/17 12:50
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:08	11/09/17	
Calcium, Total	6010C	71900	ug/L	1000	400	1	11/10/17 22:08	11/09/17	
Iron, Total	6010C	4980	ug/L	100	80	1	11/10/17 22:08	11/09/17	
Lead, Total	6010C	9 J	ug/L	50	4	1	11/10/17 22:08	11/09/17	
Magnesium, Total	6010C	16900	ug/L	1000	300	1	11/10/17 22:08	11/09/17	
Manganese, Total	6010C	99	ug/L	10	5	1	11/10/17 22:08	11/09/17	
Potassium, Total	6010C	5700	ug/L	2000	300	1	11/10/17 22:08	11/09/17	
Sodium, Total	6010C	8000	ug/L	1000	400	1	11/10/17 22:08	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: GSS2GH-117
Lab Code: R1710539-013

Service Request: R1710539
Date Collected: 11/07/17 13:15
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:11	11/09/17	
Calcium, Total	6010C	200000	ug/L	10000	4000	10	11/14/17 00:12	11/09/17	
Iron, Total	6010C	1510	ug/L	100	80	1	11/10/17 22:11	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 22:11	11/09/17	
Magnesium, Total	6010C	76200	ug/L	1000	300	1	11/10/17 22:11	11/09/17	
Manganese, Total	6010C	559	ug/L	10	5	1	11/10/17 22:11	11/09/17	
Potassium, Total	6010C	7700	ug/L	2000	300	1	11/10/17 22:11	11/09/17	
Sodium, Total	6010C	22700	ug/L	1000	400	1	11/10/17 22:11	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW34-1117
Lab Code: R1710539-014

Service Request: R1710539
Date Collected: 11/07/17 14:20
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:14	11/09/17	
Calcium, Total	6010C	47600	ug/L	1000	400	1	11/10/17 22:14	11/09/17	
Iron, Total	6010C	160	ug/L	100	80	1	11/10/17 22:14	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 22:14	11/09/17	
Magnesium, Total	6010C	14300	ug/L	1000	300	1	11/10/17 22:14	11/09/17	
Manganese, Total	6010C	117	ug/L	10	5	1	11/10/17 22:14	11/09/17	
Potassium, Total	6010C	1400 J	ug/L	2000	300	1	11/10/17 22:14	11/09/17	
Sodium, Total	6010C	74700	ug/L	1000	400	1	11/10/17 22:14	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: DUP1-1117
Lab Code: R1710539-015

Service Request: R1710539
Date Collected: 11/07/17 14:30
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 22:18	11/09/17	
Calcium, Total	6010C	47900	ug/L	1000	400	1	11/10/17 22:18	11/09/17	
Iron, Total	6010C	170	ug/L	100	80	1	11/10/17 22:18	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 22:18	11/09/17	
Magnesium, Total	6010C	14400	ug/L	1000	300	1	11/10/17 22:18	11/09/17	
Manganese, Total	6010C	118	ug/L	10	5	1	11/10/17 22:18	11/09/17	
Potassium, Total	6010C	1400 J	ug/L	2000	300	1	11/10/17 22:18	11/09/17	
Sodium, Total	6010C	75400	ug/L	1000	400	1	11/10/17 22:18	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17 10:25
Date Received: 11/09/17 09:40

Sample Name: MW37-1117
Lab Code: R1710539-016

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 17:45	11/13/17	
Calcium, Total	6010C	71500	ug/L	1000	400	1	11/16/17 17:45	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 17:45	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 17:45	11/13/17	
Magnesium, Total	6010C	24100	ug/L	1000	300	1	11/16/17 17:45	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 17:45	11/13/17	
Potassium, Total	6010C	2300	ug/L	2000	300	1	11/16/17 17:45	11/13/17	
Sodium, Total	6010C	7600	ug/L	1000	400	1	11/16/17 17:45	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17 12:00
Date Received: 11/09/17 09:40

Sample Name: MW47A-1117
Lab Code: R1710539-017

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 17:48	11/13/17	
Calcium, Total	6010C	220000	ug/L	10000	4000	10	11/16/17 19:05	11/13/17	
Iron, Total	6010C	1500	ug/L	100	80	1	11/16/17 17:48	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 17:48	11/13/17	
Magnesium, Total	6010C	74400	ug/L	1000	300	1	11/16/17 17:48	11/13/17	
Manganese, Total	6010C	1190	ug/L	10	5	1	11/16/17 17:48	11/13/17	
Potassium, Total	6010C	6600	ug/L	2000	300	1	11/16/17 17:48	11/13/17	
Sodium, Total	6010C	50600	ug/L	1000	400	1	11/16/17 17:48	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17 14:25
Date Received: 11/09/17 09:40

Sample Name: MW40-1117
Lab Code: R1710539-020

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 17:51	11/13/17	
Calcium, Total	6010C	43200	ug/L	1000	400	1	11/16/17 17:51	11/13/17	
Iron, Total	6010C	510	ug/L	100	80	1	11/16/17 17:51	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 17:51	11/13/17	
Magnesium, Total	6010C	23800	ug/L	1000	300	1	11/16/17 17:51	11/13/17	
Manganese, Total	6010C	11	ug/L	10	5	1	11/16/17 17:51	11/13/17	
Potassium, Total	6010C	2900	ug/L	2000	300	1	11/16/17 17:51	11/13/17	
Sodium, Total	6010C	8700	ug/L	1000	400	1	11/16/17 17:51	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW19-1117
Lab Code: R1710539-021

Service Request: R1710539
Date Collected: 11/08/17 11:00
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:08	11/13/17	
Calcium, Total	6010C	46500	ug/L	1000	400	1	11/16/17 18:08	11/13/17	
Iron, Total	6010C	90 J	ug/L	100	80	1	11/16/17 18:08	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:08	11/13/17	
Magnesium, Total	6010C	16300	ug/L	1000	300	1	11/16/17 18:08	11/13/17	
Manganese, Total	6010C	5 J	ug/L	10	5	1	11/16/17 18:08	11/13/17	
Potassium, Total	6010C	2800	ug/L	2000	300	1	11/16/17 18:08	11/13/17	
Sodium, Total	6010C	14000	ug/L	1000	400	1	11/16/17 18:08	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17 12:40
Date Received: 11/09/17 09:40

Sample Name: MW31-1117
Lab Code: R1710539-022

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:11	11/13/17	
Calcium, Total	6010C	67400	ug/L	1000	400	1	11/16/17 18:11	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 18:11	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:11	11/13/17	
Magnesium, Total	6010C	14600	ug/L	1000	300	1	11/16/17 18:11	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 18:11	11/13/17	
Potassium, Total	6010C	2200	ug/L	2000	300	1	11/16/17 18:11	11/13/17	
Sodium, Total	6010C	11500	ug/L	1000	400	1	11/16/17 18:11	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17 08:15
Date Received: 11/10/17 09:45

Sample Name: EB1-1117
Lab Code: R1710539-023

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:15	11/13/17	
Calcium, Total	6010C	1300	ug/L	1000	400	1	11/16/17 18:15	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 18:15	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:15	11/13/17	
Magnesium, Total	6010C	1000 U	ug/L	1000	300	1	11/16/17 18:15	11/13/17	
Manganese, Total	6010C	14	ug/L	10	5	1	11/16/17 18:15	11/13/17	
Potassium, Total	6010C	2000 U	ug/L	2000	300	1	11/16/17 18:15	11/13/17	
Sodium, Total	6010C	800 J	ug/L	1000	400	1	11/16/17 18:15	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17 10:30
Date Received: 11/10/17 09:45

Sample Name: Clark-Shay-1117
Lab Code: R1710539-024

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:25	11/13/17	
Calcium, Total	6010C	57200	ug/L	1000	400	1	11/16/17 18:25	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 18:25	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:25	11/13/17	
Magnesium, Total	6010C	14700	ug/L	1000	300	1	11/16/17 18:25	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 18:25	11/13/17	
Potassium, Total	6010C	1700 J	ug/L	2000	300	1	11/16/17 18:25	11/13/17	
Sodium, Total	6010C	20000	ug/L	1000	400	1	11/16/17 18:25	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17 11:25
Date Received: 11/10/17 09:45

Sample Name: H.Gordon-1117
Lab Code: R1710539-025

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:28	11/13/17	
Calcium, Total	6010C	70500	ug/L	1000	400	1	11/16/17 18:28	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 18:28	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:28	11/13/17	
Magnesium, Total	6010C	19200	ug/L	1000	300	1	11/16/17 18:28	11/13/17	
Manganese, Total	6010C	7 J	ug/L	10	5	1	11/16/17 18:28	11/13/17	
Potassium, Total	6010C	2500	ug/L	2000	300	1	11/16/17 18:28	11/13/17	
Sodium, Total	6010C	12400	ug/L	1000	400	1	11/16/17 18:28	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17 11:45
Date Received: 11/10/17 09:45

Sample Name: E.Gordon-1117
Lab Code: R1710539-026

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:32	11/13/17	
Calcium, Total	6010C	47300	ug/L	1000	400	1	11/16/17 18:32	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 18:32	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:32	11/13/17	
Magnesium, Total	6010C	8700	ug/L	1000	300	1	11/16/17 18:32	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 18:32	11/13/17	
Potassium, Total	6010C	1200 J	ug/L	2000	300	1	11/16/17 18:32	11/13/17	
Sodium, Total	6010C	4500	ug/L	1000	400	1	11/16/17 18:32	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Camp-1117
Lab Code: R1710539-027

Service Request: R1710539
Date Collected: 11/09/17 12:15
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:35	11/13/17	
Calcium, Total	6010C	8400	ug/L	1000	400	1	11/16/17 18:35	11/13/17	
Iron, Total	6010C	290	ug/L	100	80	1	11/16/17 18:35	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:35	11/13/17	
Magnesium, Total	6010C	3000	ug/L	1000	300	1	11/16/17 18:35	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 18:35	11/13/17	
Potassium, Total	6010C	1100 J	ug/L	2000	300	1	11/16/17 18:35	11/13/17	
Sodium, Total	6010C	1700	ug/L	1000	400	1	11/16/17 18:35	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: DB3-1117
Lab Code: R1710539-028

Service Request: R1710539
Date Collected: 11/09/17 13:15
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:38	11/13/17	
Calcium, Total	6010C	40900	ug/L	1000	400	1	11/16/17 18:38	11/13/17	
Iron, Total	6010C	4570	ug/L	100	80	1	11/16/17 18:38	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:38	11/13/17	
Magnesium, Total	6010C	13000	ug/L	1000	300	1	11/16/17 18:38	11/13/17	
Manganese, Total	6010C	87	ug/L	10	5	1	11/16/17 18:38	11/13/17	
Potassium, Total	6010C	5400	ug/L	2000	300	1	11/16/17 18:38	11/13/17	
Sodium, Total	6010C	4300	ug/L	1000	400	1	11/16/17 18:38	11/13/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17 13:45
Date Received: 11/10/17 09:45

Sample Name: DB2-1117
Lab Code: R1710539-029

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 18:41	11/13/17	
Calcium, Total	6010C	38600	ug/L	1000	400	1	11/16/17 18:41	11/13/17	
Iron, Total	6010C	5450	ug/L	100	80	1	11/16/17 18:41	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 18:41	11/13/17	
Magnesium, Total	6010C	11600	ug/L	1000	300	1	11/16/17 18:41	11/13/17	
Manganese, Total	6010C	174	ug/L	10	5	1	11/16/17 18:41	11/13/17	
Potassium, Total	6010C	5900	ug/L	2000	300	1	11/16/17 18:41	11/13/17	
Sodium, Total	6010C	4300	ug/L	1000	400	1	11/16/17 18:41	11/13/17	



General Chemistry

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/06/17 12:40
Date Received: 11/07/17 09:30

Sample Name: MW40A-1117
Lab Code: R1710539-001

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0067	mg/L	0.0050	0.0008	1	11/18/17 14:20	NA	
Chemical Oxygen Demand, Total	410.4	5.8	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.67	mg/L	0.20	0.08	1	11/09/17 11:55	11/08/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW37A-1117
Lab Code: R1710539-002

Service Request: R1710539
Date Collected: 11/06/17 13:30
Date Received: 11/07/17 09:30

Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>MDL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Date Extracted</u>	<u>Q</u>
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	357	mg/L	2.0	1.0	1	11/14/17 18:41	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 15:50	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.8 J	mg/L	1.0	0.05	1	11/08/17 22:09	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.19 J	mg/L	0.20	0.08	1	11/09/17 11:57	11/08/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW36A-1117
Lab Code: R1710539-003

Service Request: R1710539
Date Collected: 11/06/17 13:45
Date Received: 11/07/17 09:30

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	414	mg/L	2.0	1.0	1	11/14/17 18:55	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050	U mg/L	0.050	0.008	10	11/18/17 17:20	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.0	mg/L	1.0	0.05	1	11/11/17 18:55	NA	
Chemical Oxygen Demand, Total	410.4	5.4	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.28	mg/L	0.20	0.08	1	11/09/17 11:57	11/08/17	
Phenolics, Total Recoverable	9066	0.0050	U mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW26-1117
Lab Code: R1710539-004

Service Request: R1710539
Date Collected: 11/06/17 14:05
Date Received: 11/07/17 09:30
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	376	mg/L	2.0	1.0	1	11/14/17 19:02	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 17:50	NA	
Bromide	9056A	0.8 J	mg/L	1.0	0.4	10	11/07/17 14:48	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	7.8	mg/L	1.0	0.05	1	11/14/17 06:21	NA	
Chemical Oxygen Demand, Total	410.4	20.0	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	96.6	mg/L	2.0	0.2	10	11/07/17 14:48	NA	
Nitrate as Nitrogen	9056A	0.7 J	mg/L	1.0	0.04	10	11/07/17 14:48	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.56	mg/L	0.20	0.08	1	11/09/17 11:58	11/08/17	
Phenolics, Total Recoverable	9066	0.0021 J	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	734	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	138	mg/L	4.0	0.4	20	11/07/17 16:26	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW14-1117
Lab Code: R1710539-005

Service Request: R1710539
Date Collected: 11/06/17 14:30
Date Received: 11/07/17 09:30
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	148	mg/L	2.0	1.0	1	11/14/17 19:07	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 18:20	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/07/17 15:25	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.1 J	mg/L	1.0	0.05	1	11/14/17 06:42	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	2.4	mg/L	2.0	0.2	10	11/07/17 15:25	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	156	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/07/17 15:25	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/09/17 11:59	11/08/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	175	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	19.1	mg/L	2.0	0.2	10	11/07/17 15:25	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW37A-1117
Lab Code: R1710539-006

Service Request: R1710539
Date Collected: 11/07/17 08:50
Date Received: 11/08/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:28	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 18:14	
Chloride	9056A	1.6 J	mg/L	2.0	0.2	10	11/08/17 18:14	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	903	mg/L	6.62	-	1	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 18:14	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	1240	mg/L	10	4	1	11/10/17 11:48	
Sulfate	9056A	628	mg/L	40	4	200	11/08/17 18:26	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW36A-1117
Lab Code: R1710539-007

Service Request: R1710539
Date Collected: 11/07/17 09:20
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 18:38	
Chloride	9056A	2.8	mg/L	2.0	0.2	10	11/08/17 18:38	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	2180	mg/L	6.62	-	1	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 18:38	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	2980	mg/L	50	18	1	11/10/17 11:48	
Sulfate	9056A	1890	mg/L	80	8	400	11/08/17 18:51	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW26-1117
Lab Code: R1710539-008

Service Request: R1710539
Date Collected: 11/07/17 09:40
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>MDL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:33	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	600	mg/L	6.62	-	1	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW14-1117
Lab Code: R1710539-009

Service Request: R1710539
Date Collected: 11/07/17 10:00
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	1	11/09/17 08:36	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW41A-1117
Lab Code: R1710539-010

Service Request: R1710539
Date Collected: 11/07/17 10:25
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	382	mg/L	2.0	1.0	1	11/14/17 19:13	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 19:20	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 20:41	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.0	mg/L	1.0	0.05	1	11/14/17 07:03	NA	
Chemical Oxygen Demand, Total	410.4	6.8	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	3.1	mg/L	2.0	0.2	10	11/08/17 20:41	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	2590	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 20:41	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.13 J	mg/L	0.20	0.08	1	11/14/17 12:25	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	3500	mg/L	48	17	1	11/10/17 11:48	NA	
Sulfate	9056A	2390	mg/L	80	8	400	11/08/17 20:53	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW42A-1117
Lab Code: R1710539-011

Service Request: R1710539
Date Collected: 11/07/17 11:00
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.281	mg/L	0.050	0.008	10	11/18/17 19:50	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 21:06	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.1	mg/L	1.0	0.05	1	11/14/17 07:24	NA	
Chemical Oxygen Demand, Total	410.4	12.4	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	3.7	mg/L	2.0	0.2	10	11/08/17 21:06	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 21:06	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.77	mg/L	0.20	0.08	1	11/14/17 13:01	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	3280	mg/L	40	15	1	11/10/17 11:48	NA	
Sulfate	9056A	2060	mg/L	80	8	400	11/08/17 21:18	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: GSS1-1117
Lab Code: R1710539-012

Service Request: R1710539
Date Collected: 11/07/17 12:50
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	196	mg/L	2.0	1.0	1	11/14/17 19:19	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 20:20	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:33	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 22:07	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	2.9	mg/L	1.0	0.05	1	11/14/17 08:26	NA	
Chemical Oxygen Demand, Total	410.4	11.4	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	23.7	mg/L	2.0	0.2	10	11/08/17 22:07	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	249	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.7 J	mg/L	1.0	0.04	10	11/08/17 22:07	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.37	mg/L	0.20	0.08	1	11/14/17 12:29	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	297	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	58.8	mg/L	2.0	0.2	10	11/08/17 22:07	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: GSS2GH-117
Lab Code: R1710539-013

Service Request: R1710539
Date Collected: 11/07/17 13:15
Date Received: 11/08/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	362	mg/L	2.0	1.0	1	11/14/17 19:25	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 21:50	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:35	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 22:19	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	3.2	mg/L	1.0	0.05	1	11/14/17 13:44	NA	
Chemical Oxygen Demand, Total	410.4	8.5	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	9.2	mg/L	2.0	0.2	10	11/08/17 22:19	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	812	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.8	mg/L	1.0	0.04	10	11/08/17 22:19	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.28	mg/L	0.20	0.08	1	11/14/17 12:30	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	1050	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	493	mg/L	20	2	100	11/08/17 22:32	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW34-1117
Lab Code: R1710539-014

Service Request: R1710539
Date Collected: 11/07/17 14:20
Date Received: 11/08/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	252	mg/L	2.0	1.0	1	11/14/17 19:30	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.253	mg/L	0.050	0.008	10	11/18/17 22:20	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:35	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 22:44	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.5 J	mg/L	1.0	0.05	1	11/14/17 18:22	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	20.8	mg/L	2.0	0.2	10	11/08/17 22:44	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	178	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.6 J	mg/L	1.0	0.04	10	11/08/17 22:44	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.34	mg/L	0.20	0.08	1	11/14/17 12:31	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	378	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	67.1	mg/L	2.0	0.2	10	11/08/17 22:44	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: DUP1-1117
Lab Code: R1710539-015

Service Request: R1710539
Date Collected: 11/07/17 14:30
Date Received: 11/08/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	252	mg/L	2.0	1.0	1	11/14/17 19:36	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.256	mg/L	0.050	0.008	10	11/18/17 22:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 08:36	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/08/17 22:56	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.4 J	mg/L	1.0	0.05	1	11/14/17 18:43	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	20.8	mg/L	2.0	0.2	10	11/08/17 22:56	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	179	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/08/17 22:56	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.31	mg/L	0.20	0.08	1	11/14/17 12:31	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	373	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	66.9	mg/L	2.0	0.2	10	11/08/17 22:56	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW37-1117
Lab Code: R1710539-016

Service Request: R1710539
Date Collected: 11/08/17 10:25
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	232	mg/L	2.0	1.0	1	11/14/17 19:42	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/18/17 23:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 07:38	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 19:14	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.1 J	mg/L	1.0	0.05	1	11/14/17 19:04	NA	
Chemical Oxygen Demand, Total	410.4	5.4	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	8.6	mg/L	2.0	0.2	10	11/09/17 19:14	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	278	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/09/17 19:14	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:37	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	293	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	49.2	mg/L	2.0	0.2	10	11/09/17 19:14	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW47A-1117
Lab Code: R1710539-017

Service Request: R1710539
Date Collected: 11/08/17 12:00
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	262	mg/L	2.0	1.0	1	11/14/17 19:47	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.094	mg/L	0.050	0.008	10	11/19/17 11:52	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 07:39	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 20:03	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.7	mg/L	1.0	0.05	1	11/14/17 19:25	NA	
Chemical Oxygen Demand, Total	410.4	4.7 J	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	2.6	mg/L	2.0	0.2	10	11/09/17 20:03	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	856	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/09/17 20:03	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.23	mg/L	0.20	0.08	1	11/14/17 12:38	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	1180	mg/L	20	8	1	11/14/17 18:45	NA	
Sulfate	9056A	728	mg/L	20	2	100	11/09/17 19:26	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW36A-1117
Lab Code: R1710539-018

Service Request: R1710539
Date Collected: 11/08/17 12:50
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	1	11/10/17 07:37	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW41A-1117
Lab Code: R1710539-019

Service Request: R1710539
Date Collected: 11/08/17 14:00
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>Result</u>	<u>Units</u>	<u>MRL</u>	<u>Dil.</u>	<u>Date Analyzed</u>	<u>Q</u>
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	1	11/10/17 07:36	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW40-1117
Lab Code: R1710539-020

Service Request: R1710539
Date Collected: 11/08/17 14:25
Date Received: 11/09/17 09:40

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	180	mg/L	2.0	1.0	1	11/14/17 20:01	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 12:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 07:35	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 20:15	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.4 J	mg/L	1.0	0.05	1	11/14/17 19:46	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	11.8	mg/L	2.0	0.2	10	11/09/17 20:15	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	206	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.6 J	mg/L	1.0	0.04	10	11/09/17 20:15	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:38	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	221	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	29.4	mg/L	2.0	0.2	10	11/09/17 20:15	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW19-1117
Lab Code: R1710539-021

Service Request: R1710539
Date Collected: 11/08/17 11:00
Date Received: 11/09/17 09:40

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	167	mg/L	2.0	1.0	1	11/14/17 20:13	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 13:52	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 07:34	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 18:49	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.8	mg/L	1.0	0.05	1	11/14/17 20:49	NA	
Chemical Oxygen Demand, Total	410.4	6.8	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	16.2	mg/L	2.0	0.2	10	11/09/17 18:49	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	183	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.8 J	mg/L	1.0	0.04	10	11/09/17 18:49	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.17 J	mg/L	0.20	0.08	1	11/14/17 12:41	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	210	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	21.6	mg/L	2.0	0.2	10	11/09/17 18:49	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: MW31-1117
Lab Code: R1710539-022

Service Request: R1710539
Date Collected: 11/08/17 12:40
Date Received: 11/09/17 09:40
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	71.6	mg/L	2.0	1.0	1	11/14/17 20:18	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 14:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 07:33	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/09/17 19:01	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.5 J	mg/L	1.0	0.05	1	11/14/17 21:10	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	31.7	mg/L	2.0	0.2	10	11/09/17 19:01	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	228	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.3	mg/L	1.0	0.04	10	11/09/17 19:01	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.14 J	mg/L	0.20	0.08	1	11/14/17 13:01	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	306	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	142	mg/L	8.0	0.8	40	11/11/17 05:30	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: EB1-1117
Lab Code: R1710539-023

Service Request: R1710539
Date Collected: 11/09/17 08:15
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	5.6	mg/L	2.0	1.0	1	11/14/17 20:22	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 05:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:40	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/10/17 19:40	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/14/17 22:12	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	2.0 U	mg/L	2.0	0.2	10	11/10/17 19:40	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	6.62 U	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/10/17 19:40	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:42	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	11	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	2.0 U	mg/L	2.0	0.2	10	11/10/17 19:40	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Clark-Shay-1117
Lab Code: R1710539-024

Service Request: R1710539
Date Collected: 11/09/17 10:30
Date Received: 11/10/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	126	mg/L	2.0	1.0	1	11/14/17 20:28	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 10:22	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:46	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/10/17 23:21	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.4 J	mg/L	1.0	0.05	1	11/14/17 22:33	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	77.9	mg/L	2.0	0.2	10	11/10/17 23:21	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	204	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/10/17 23:21	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.22	mg/L	0.20	0.08	1	11/14/17 12:43	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	270	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	18.1	mg/L	2.0	0.2	10	11/10/17 23:21	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: H.Gordon-1117
Lab Code: R1710539-025

Service Request: R1710539
Date Collected: 11/09/17 11:25
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	239	mg/L	2.0	1.0	1	11/14/17 20:33	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 05:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:32	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/10/17 22:57	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.2 J	mg/L	1.0	0.05	1	11/14/17 22:54	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	3.6	mg/L	2.0	0.2	10	11/10/17 22:57	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	255	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/10/17 22:57	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:43	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	299	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	43.2	mg/L	2.0	0.2	10	11/10/17 22:57	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: E.Gordon-1117
Lab Code: R1710539-026

Service Request: R1710539
Date Collected: 11/09/17 11:45
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	145	mg/L	2.0	1.0	1	11/14/17 20:43	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 06:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:46	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/11/17 01:24	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.2 J	mg/L	1.0	0.05	1	11/14/17 23:15	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	2.2	mg/L	2.0	0.2	10	11/11/17 01:24	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	154	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/11/17 01:24	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:47	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	181	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	19.9	mg/L	2.0	0.2	10	11/11/17 01:24	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Camp-1117
Lab Code: R1710539-027

Service Request: R1710539
Date Collected: 11/09/17 12:15
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	28.4	mg/L	2.0	1.0	1	11/14/17 20:47	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	0.008	10	11/19/17 06:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:45	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/11/17 00:23	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.9	mg/L	1.0	0.05	1	11/14/17 23:36	NA	
Chemical Oxygen Demand, Total	410.4	7.5	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	2.0	mg/L	2.0	0.2	10	11/11/17 00:23	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	33.5	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	0.04	10	11/11/17 00:23	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.09 J	mg/L	0.20	0.08	1	11/14/17 12:48	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	58	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	7.9	mg/L	2.0	0.2	10	11/11/17 00:23	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: DB3-1117
Lab Code: R1710539-028

Service Request: R1710539
Date Collected: 11/09/17 13:15
Date Received: 11/10/17 09:45
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	88.0	mg/L	2.0	1.0	1	11/14/17 21:01	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.037 J	mg/L	0.050	0.008	10	11/19/17 07:21	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:42	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/11/17 00:10	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	3.2	mg/L	1.0	0.05	1	11/14/17 23:57	NA	
Chemical Oxygen Demand, Total	410.4	10.8	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	5.1	mg/L	2.0	0.2	10	11/11/17 00:10	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	156	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.6 J	mg/L	1.0	0.04	10	11/11/17 00:10	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.54	mg/L	0.20	0.08	1	11/14/17 12:49	11/13/17	
Phenolics, Total Recoverable	9066	0.0044 J	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	217	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	73.4	mg/L	2.0	0.2	10	11/11/17 00:10	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: DB2-1117
Lab Code: R1710539-029

Service Request: R1710539
Date Collected: 11/09/17 13:45
Date Received: 11/10/17 09:45

Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	105	mg/L	2.0	1.0	1	11/14/17 21:07	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.136	mg/L	0.050	0.008	10	11/19/17 07:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 10:43	NA	
Bromide	9056A	1.0 U	mg/L	1.0	0.4	10	11/10/17 23:09	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	4.6	mg/L	1.0	0.05	1	11/15/17 00:18	NA	
Chemical Oxygen Demand, Total	410.4	14.0	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	4.1	mg/L	2.0	0.2	10	11/10/17 23:09	NA	
Hardness, Total as CaCO3	SM 2340 B-1997(2011)	144	mg/L	6.62	-	1	NA	NA	
Nitrate as Nitrogen	9056A	0.7 J	mg/L	1.0	0.04	10	11/10/17 23:09	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.93	mg/L	0.20	0.08	1	11/14/17 12:49	11/13/17	
Phenolics, Total Recoverable	9066	0.0041 J	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	232	mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	41.7	mg/L	2.0	0.2	10	11/10/17 23:09	NA	



QC Summary Forms

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Metals

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB1

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/10/17 21:47	11/09/17	
Calcium, Total	6010C	1000 U	ug/L	1000	400	1	11/10/17 21:47	11/09/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/10/17 21:47	11/09/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/10/17 21:47	11/09/17	
Magnesium, Total	6010C	1000 U	ug/L	1000	300	1	11/10/17 21:47	11/09/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/10/17 21:47	11/09/17	
Potassium, Total	6010C	2000 U	ug/L	2000	300	1	11/10/17 21:47	11/09/17	
Sodium, Total	6010C	1000 U	ug/L	1000	400	1	11/10/17 21:47	11/09/17	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB2

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Cadmium, Total	6010C	5.0 U	ug/L	5.0	0.9	1	11/16/17 17:05	11/13/17	
Calcium, Total	6010C	1000 U	ug/L	1000	400	1	11/16/17 17:05	11/13/17	
Iron, Total	6010C	100 U	ug/L	100	80	1	11/16/17 17:05	11/13/17	
Lead, Total	6010C	50 U	ug/L	50	4	1	11/16/17 17:05	11/13/17	
Magnesium, Total	6010C	1000 U	ug/L	1000	300	1	11/16/17 17:05	11/13/17	
Manganese, Total	6010C	10 U	ug/L	10	5	1	11/16/17 17:05	11/13/17	
Potassium, Total	6010C	2000 U	ug/L	2000	300	1	11/16/17 17:05	11/13/17	
Sodium, Total	6010C	1000 U	ug/L	1000	400	1	11/16/17 17:05	11/13/17	

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17
Date Received: 11/09/17
Date Analyzed: 11/16/17

**Duplicate Matrix Spike Summary
Inorganic Parameters**

Sample Name: MW40-1117
Lab Code: R1710539-020

Units: ug/L
Basis: NA

Analyte Name	Method	Matrix Spike R1710539-020MS				Duplicate Matrix Spike R1710539-020DMS				RPD	RPD Limit
		Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits		
Cadmium, Total	6010C	5.0 U	49.8	50.0	100	50.0	50.0	100	75-125	<1	20
Calcium, Total	6010C	43200	45500	2000	117 #	46000	2000	143 #	75-125	1	20
Iron, Total	6010C	510	1470	1000	96	1470	1000	96	75-125	<1	20
Lead, Total	6010C	50 U	503	500	101	505	500	101	75-125	<1	20
Magnesium, Total	6010C	23800	25600	2000	90 #	25900	2000	103 #	75-125	1	20
Manganese, Total	6010C	11	506	500	99	505	500	99	75-125	<1	20
Potassium, Total	6010C	2900	22800	20000	99	22700	20000	99	75-125	<1	20
Sodium, Total	6010C	8700	28500	20000	99	28500	20000	99	75-125	<1	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539

Date Analyzed: 11/10/17

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L

Basis:NA

Lab Control Sample
R1710539-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	51.9	50.0	104	80-120
Calcium, Total	6010C	1900	2000	94	80-120
Iron, Total	6010C	991	1000	99	80-120
Lead, Total	6010C	519	500	104	80-120
Magnesium, Total	6010C	1990	2000	100	80-120
Manganese, Total	6010C	500	500	100	80-120
Potassium, Total	6010C	19700	20000	98	80-120
Sodium, Total	6010C	19500	20000	98	80-120

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539

Date Analyzed: 11/16/17

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L

Basis:NA

Lab Control Sample
R1710539-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Cadmium, Total	6010C	51.0	50.0	102	80-120
Calcium, Total	6010C	1950	2000	97	80-120
Iron, Total	6010C	980	1000	98	80-120
Lead, Total	6010C	514	500	103	80-120
Magnesium, Total	6010C	1990	2000	100	80-120
Manganese, Total	6010C	495	500	99	80-120
Potassium, Total	6010C	19300	20000	97	80-120
Sodium, Total	6010C	19500	20000	98	80-120



General Chemistry

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB1

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1.0	1	11/14/17 17:49	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	0.0008	1	11/17/17 21:18	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/09/17 13:36	NA	
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/07/17 12:43	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/08/17 13:28	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/10/17 16:01	NA	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/07/17 12:43	NA	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/07/17 12:43	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/09/17 11:51	11/08/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10 U	mg/L	10	4	1	11/10/17 11:48	NA	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/07/17 12:43	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB2

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0 U	mg/L	2.0	1.0	1	11/14/17 19:56	NA	
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	0.0008	1	11/18/17 15:20	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0 U	mg/L	2.0	-	1	11/10/17 11:08	NA	
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/08/17 16:48	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/11/17 07:56	NA	
Chemical Oxygen Demand, Total	410.4	5.0 U	mg/L	5.0	3.7	1	11/14/17 14:35	NA	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 16:48	NA	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/08/17 16:48	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	mg/L	0.20	0.08	1	11/14/17 12:10	11/13/17	
Phenolics, Total Recoverable	9066	0.0050 U	mg/L	0.0050	0.0019	1	11/14/17 10:05	NA	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10 U	mg/L	10	4	1	11/14/17 18:45	NA	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/08/17 16:48	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB3

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050	U mg/L	0.0050	0.0008	1	11/19/17 08:51	NA	
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0	U mg/L	2.0	-	1	11/10/17 12:39	NA	
Bromide	9056A	0.10	U mg/L	0.10	0.04	1	11/08/17 21:42	NA	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0	U mg/L	1.0	0.05	1	11/14/17 00:47	NA	
Chloride	9056A	0.20	U mg/L	0.20	0.02	1	11/08/17 21:42	NA	
Nitrate as Nitrogen	9056A	0.10	U mg/L	0.10	0.004	1	11/08/17 21:42	NA	
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20	U mg/L	0.20	0.08	1	11/14/17 12:33	11/13/17	
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10	U mg/L	10	4	1	11/15/17 18:25	NA	
Sulfate	9056A	0.20	U mg/L	0.20	0.02	1	11/08/17 21:42	NA	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB4

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/09/17 17:23	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/14/17 10:11	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/09/17 17:23	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/09/17 17:23	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/09/17 17:23	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB5

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/10/17 17:49	
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	1.0 U	mg/L	1.0	0.05	1	11/14/17 17:40	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/10/17 17:49	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/10/17 17:49	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/10/17 17:49	

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Analytical Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R1710539-MB6

Service Request: R1710539
Date Collected: NA
Date Received: NA
Basis: NA

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Q
Bromide	9056A	0.10 U	mg/L	0.10	0.04	1	11/10/17 22:44	
Chloride	9056A	0.20 U	mg/L	0.20	0.02	1	11/10/17 22:44	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	0.004	1	11/10/17 22:44	
Sulfate	9056A	0.20 U	mg/L	0.20	0.02	1	11/10/17 22:44	

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/06/17
Date Received: 11/07/17
Date Analyzed: 11/9/17
Date Extracted: 11/8/17

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: MW40A-1117
Lab Code: R1710539-001
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R1710539-001MS			Duplicate Matrix Spike R1710539-001DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	0.67	3.04	2.50	95	3.04	2.50	95	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/06/17
Date Received: 11/07/17
Date Analyzed: 11/18/17

Duplicate Matrix Spike Summary
Ammonia as Nitrogen, undistilled

Sample Name: MW37A-1117
Lab Code: R1710539-002
Analysis Method: ASTM D6919-09

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R1710539-002MS			Duplicate Matrix Spike R1710539-002DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Ammonia as Nitrogen, undistilled	0.050 U	4.65	5.00	93	4.53	5.00	91	90-110	3	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/06/17
Date Received: 11/07/17
Date Analyzed: 11/10/17 - 11/14/17

Duplicate Matrix Spike Summary
General Chemistry Parameters

Sample Name: MW14-1117 **Units:** mg/L
Lab Code: R1710539-005 **Basis:** NA

Matrix Spike
R1710539-005MS

Duplicate Matrix Spike
R1710539-005DMS

<u>Analyte Name</u>	<u>Method</u>	<u>Sample Result</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>Result</u>	<u>Spike Amount</u>	<u>% Rec</u>	<u>% Rec Limits</u>	<u>RPD</u>	<u>RPD Limit</u>
Chemical Oxygen Demand, Total	410.4	5.0 U	27.8	25.0	111 *	25.7	25.0	103	90-110	8	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0376	0.0400	94	0.0373	0.0400	93	49-137	<1	20

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/14/17

Duplicate Matrix Spike Summary
Carbon, Total Organic (TOC)

Sample Name: MW42A-1117
Lab Code: R1710539-011
Analysis Method: SM 5310 C-2000(2011)

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R1710539-011MS		Duplicate Matrix Spike R1710539-011DMS		% Rec Limits	RPD	RPD Limit		
		Result	Spike Amount	% Rec	Result				Spike Amount	% Rec
Carbon, Total Organic (TOC)	2.1	12.8	10.0	107	12.5	10.0	104	48-135	2	20

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/14/17
Date Extracted: 11/13/17

Duplicate Matrix Spike Summary
Nitrogen, Total Kjeldahl (TKN)

Sample Name: DUP1-1117
Lab Code: R1710539-015
Analysis Method: 351.2
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R1710539-015MS			Duplicate Matrix Spike R1710539-015DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Nitrogen, Total Kjeldahl (TKN)	0.31	2.72	2.50	96	2.78	2.50	99	90-110	2	20

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Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17
Date Received: 11/09/17
Date Analyzed: 11/10/17

**Duplicate Matrix Spike Summary
Chemical Oxygen Demand, Total**

Sample Name: MW47A-1117
Lab Code: R1710539-017
Analysis Method: 410.4

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Matrix Spike R1710539-017MS			Duplicate Matrix Spike R1710539-017DMS			% Rec Limits	RPD	RPD Limit
		Result	Spike Amount	% Rec	Result	Spike Amount	% Rec			
Chemical Oxygen Demand, Total	4.7 J	29.2	25.0	98	29.8	25.0	100	90-110	2	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

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QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17
Date Received: 11/09/17
Date Analyzed: 11/09/17 - 11/19/17

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: MW40-1117
Lab Code: R1710539-020

Units: mg/L
Basis: NA

Analyte Name	Method	Matrix Spike R1710539-020MS				Duplicate Matrix Spike R1710539-020DMS					
		Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	4.82	5.00	96	4.80	5.00	96	90-110	<1	20
Bromide	9056A	1.0 U	11.0	10.0	110	11.1	10.0	111	80-120	1	15
Chloride	9056A	11.8	35.5	20.0	119	35.5	20.0	119	80-120	<1	15
Chemical Oxygen Demand, Total	410.4	5.0 U	25.4	25.0	102	24.8	25.0	99	90-110	2	20
Phenolics, Total Recoverable	9066	0.0050 U	0.0367	0.0400	92	0.0376	0.0400	94	49-137	2	20
Sulfate	9056A	29.4	53.8	20.0	122 *	54.0	20.0	123 *	80-120	<1	15
Nitrogen, Total Kjeldahl (TKN)	351.2	0.20 U	2.38	2.50	95	2.50	2.50	100	90-110	5	20
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	0.4 J	11.9	10.0	115	11.7	10.0	113	48-135	1	20
Nitrate as Nitrogen	9056A	0.6 J	11.6	10.0	110	11.7	10.0	111	80-120	<1	15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/09/17
Date Received: 11/10/17
Date Analyzed: 11/10/17 - 11/19/17

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: Clark-Shay-1117
Lab Code: R1710539-024

Units: mg/L
Basis: NA

Matrix Spike
R1710539-024MS

Duplicate Matrix Spike
R1710539-024DMS

Analyte Name	Method	Sample Result	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	4.73	5.00	95	4.75	5.00	95	90-110	<1	20
Bromide	9056A	1.0 U	10.4	10.0	104	10.1	10.0	101	80-120	2	15
Chloride	9056A	77.9	94.4	20.0	82	94.0	20.0	80	80-120	<1	15
Chemical Oxygen Demand, Total	410.4	5.0 U	26.3	25.0	105	23.6	25.0	95	90-110	11	20
Sulfate	9056A	18.1	40.7	20.0	113	40.7	20.0	113	80-120	<1	15
Nitrate as Nitrogen	9056A	1.0 U	10.3	10.0	103	10.3	10.0	103	80-120	<1	15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request:R1710539
Date Collected:11/09/17
Date Received:11/10/17
Date Analyzed:11/11/17

**Duplicate Matrix Spike Summary
General Chemistry Parameters**

Sample Name: Camp-1117
Lab Code: R1710539-027

Units:mg/L
Basis:NA

**Matrix Spike
R1710539-027MS**

**Duplicate Matrix Spike
R1710539-027DMS**

Analyte Name	Method	Sample		Spike		Duplicate Matrix Spike		% Rec Limits	RPD	RPD Limit	
		Result		Amount	% Rec	Result	Amount				% Rec
Bromide	9056A	1.0 U	10.1	10.0	101	10.1	10.0	101	80-120	<1	15
Chloride	9056A	2.0	22.1	20.0	100	22.0	20.0	100	80-120	<1	15
Sulfate	9056A	7.9	29.7	20.0	109	29.5	20.0	108	80-120	<1	15
Nitrate as Nitrogen	9056A	1.0 U	10.2	10.0	102	10.2	10.0	102	80-120	<1	15

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/07/17
Date Received: 11/08/17
Date Analyzed: 11/10/17

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW36A-1117
Lab Code: R1710539-007

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>MDL</u>	<u>Sample Result</u>	<u>Duplicate Sample R1710539-007DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	50	18	2980	2880	2930	3	10

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Collected: 11/08/17
Date Received: 11/09/17
Date Analyzed: 11/10/17 - 11/14/17

Replicate Sample Summary
General Chemistry Parameters

Sample Name: MW40-1117
Lab Code: R1710539-020

Units: mg/L
Basis: NA

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample R1710539-020DUP Result	Average	RPD	RPD Limit
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	2.0	1.0	180	180	180	<1	20
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	2.0		2.0 U	2.0 U	NC	NC	20
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	10	4	221	224	223	1	10

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/07/17 - 11/18/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	20.8	21.2	98	81-112
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.482	0.500	96	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	191	198	96	85-115
Bromide	9056A	1.03	1.00	103	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.1	10.0	101	81-118
Chemical Oxygen Demand, Total	410.4	50.6	50.0	101	90-110
Chloride	9056A	2.08	2.00	104	80-120
Nitrate as Nitrogen	9056A	1.03	1.00	103	80-120
Nitrogen, Total Kjeldahl (TKN)	351.2	2.32	2.50	93	90-110
Phenolics, Total Recoverable	9066	0.0384	0.0400	96	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	886	914	97	90-110
Sulfate	9056A	2.18	2.00	109	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/08/17 - 11/18/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Alkalinity, Total as CaCO3	SM 2320 B-1997(2011)	21.2	21.2	100	81-112
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.485	0.500	97	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	194	198	98	85-115
Bromide	9056A	0.943	1.00	94	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.1	10.0	101	81-118
Chemical Oxygen Demand, Total	410.4	53.0	50.0	106	90-110
Chloride	9056A	1.99	2.00	99	80-120
Nitrate as Nitrogen	9056A	0.961	1.00	96	80-120
Nitrogen, Total Kjeldahl (TKN)	351.2	2.39	2.50	96	90-110
Phenolics, Total Recoverable	9066	0.0376	0.0400	94	85-115
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	878	914	96	90-110
Sulfate	9056A	1.95	2.00	97	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/08/17 - 11/19/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS3

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.495	0.500	99	90-110
Biochemical Oxygen Demand (BOD)	SM 5210 B-2001(2011)	193	198	97	85-115
Bromide	9056A	1.02	1.00	102	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.4	10.0	104	81-118
Chloride	9056A	2.07	2.00	104	80-120
Nitrate as Nitrogen	9056A	1.03	1.00	103	80-120
Nitrogen, Total Kjeldahl (TKN)	351.2	2.36	2.50	94	90-110
Solids, Total Dissolved (TDS)	SM 2540 C-1997(2011)	898	914	98	90-110
Sulfate	9056A	2.08	2.00	104	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/09/17 - 11/14/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS4

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	9056A	1.00	1.00	100	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.1	10.0	101	81-118
Chloride	9056A	2.06	2.00	103	80-120
Nitrate as Nitrogen	9056A	1.03	1.00	103	80-120
Sulfate	9056A	2.05	2.00	103	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/10/17 - 11/14/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS5

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	9056A	1.05	1.00	105	80-120
Carbon, Total Organic (TOC)	SM 5310 C-2000(2011)	10.3	10.0	103	81-118
Chloride	9056A	2.11	2.00	105	80-120
Nitrate as Nitrogen	9056A	1.04	1.00	104	80-120
Sulfate	9056A	2.17	2.00	109	80-120

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Casella Waste Systems (Hampden ME)
Project: Hyland Facility - Routine Parameters
Sample Matrix: Water

Service Request: R1710539
Date Analyzed: 11/10/17

Lab Control Sample Summary
General Chemistry Parameters

Units:mg/L
Basis:NA

Lab Control Sample
R1710539-LCS6

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Bromide	9056A	1.06	1.00	106	80-120
Chloride	9056A	2.14	2.00	107	80-120
Nitrate as Nitrogen	9056A	1.06	1.00	106	80-120
Sulfate	9056A	2.14	2.00	107	80-120

ATTACHMENT 3 – Waste Origin

Waste Origin for 4th Quarter 2017

County: All
 Origin: All
 Site ID: All

Origin / Material Report

Transactions from 10/01/2017 through 12/31/2017
 Inbound and Outbound Tickets
 Third Party and Intercompany Customers
 Recycle and Disposal Material
 Material Category Summary

	Cubic Yards	Tons	Gallons	Units
CT - CONNECTICUT				
NEWL - NEW LONDON				
A - ASBESTOS				
ASB - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	13.81	0.00	0.00
A - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	13.81	0.00	0.00
NEWL - NEW LONDON <i>1 ticket and 1 transaction</i>				
WEST - WESTCHESTER/ CT				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>2 tickets and 2 transactions</i>	0.00	75.80	0.00	0.00
C - CONSTRUCTION DEBRIS <i>2 tickets and 2 transactions</i>	0.00	75.80	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
T - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
WEST - WESTCHESTER/ CT <i>2 tickets and 3 transactions</i>				
CT - CONNECTICUT <i>3 tickets and 4 transactions</i>				
	0.00	89.61	0.00	1.00

MA - MASSACHUSETTES

ESS - ESSEX / MASS

I - INDUSTRIAL

MA - MASSACHUSETTES

ESS - ESSEX / MASS

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

1 ticket and 1 transaction

0.00 6.96 0.00 0.00

I - INDUSTRIAL

1 ticket and 1 transaction

0.00 6.96 0.00 0.00

ESS - ESSEX / MASS

1 ticket and 1 transaction

0.00 6.96 0.00 0.00

MI - MIDDLESEX / MASS

A - ASBESTOS

ASB - ASBESTOS

2 tickets and 2 transactions

0.00 70.78 0.00 0.00

A - ASBESTOS

2 tickets and 2 transactions

0.00 70.78 0.00 0.00

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

1 ticket and 1 transaction

0.00 3.17 0.00 0.00

I - INDUSTRIAL

1 ticket and 1 transaction

0.00 3.17 0.00 0.00

MI - MIDDLESEX / MASS

3 tickets and 3 transactions

0.00 73.95 0.00 0.00

P - PLYMOUTH / MASS

A - ASBESTOS

ASB - ASBESTOS

3 tickets and 3 transactions

0.00 54.25 0.00 0.00

A - ASBESTOS

3 tickets and 3 transactions

0.00 54.25 0.00 0.00

MA - MASSACHUSETTES

P - PLYMOUTH / MASS

3 tickets and 3 transactions

0.00 54.25 0.00 0.00

MA - MASSACHUSETTES

7 tickets and 7 transactions

0.00 135.16 0.00 0.00

MAI - MAINE

CUM - CUMBERLAND/ ME

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

0.00 44.83 0.00 0.00

4 tickets and 4 transactions

I - INDUSTRIAL

4 tickets and 4 transactions

0.00 44.83 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

2 tickets and 2 transactions

0.00 0.00 0.00 2.00

T - CAR AND TRUCK TIRES

2 tickets and 2 transactions

0.00 0.00 0.00 2.00

CUM - CUMBERLAND/ ME

4 tickets and 6 transactions

0.00 44.83 0.00 2.00

MAI - MAINE

4 tickets and 6 transactions

0.00 44.83 0.00 2.00

NH - NEW HAMPSHIRE

CHNH - CHESHIRE/NH

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

3 tickets and 3 transactions

0.00 34.53 0.00 0.00

I - INDUSTRIAL

3 tickets and 3 transactions

0.00 34.53 0.00 0.00

NH - NEW HAMPSHIRE

CHNH - CHESHIRE/NH

CHNH - CHESHIRE/NH

3 tickets and 3 transactions

0.00 34.53 0.00 0.00

NH - NEW HAMPSHIRE

3 tickets and 3 transactions

0.00 34.53 0.00 0.00

NJ - NEW JERSEY

BUR - BURLINGTON/NJ

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

3 tickets and 3 transactions

0.00 61.12 0.00 0.00

I - INDUSTRIAL

3 tickets and 3 transactions

0.00 61.12 0.00 0.00

BUR - BURLINGTON/NJ

3 tickets and 3 transactions

0.00 61.12 0.00 0.00

MID - MIDDLESEX / NJ

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

2 tickets and 2 transactions

0.00 28.50 0.00 0.00

I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	28.50	0.00	0.00
MID - MIDDLESEX / NJ <i>2 tickets and 2 transactions</i>	0.00	28.50	0.00	0.00
NJ - NEW JERSEY <i>5 tickets and 5 transactions</i>	0.00	89.62	0.00	0.00
NY - NEW YORK NY - NEW YORK				
ALB - ALBANY / NY A - ASBESTOS ASB - ASBESTOS <i>6 tickets and 6 transactions</i>	0.00	134.09	0.00	0.00
A - ASBESTOS <i>6 tickets and 6 transactions</i>	0.00	134.09	0.00	0.00
B - BUD MATERIALS BUDSBA - BUD SOLIDIFICATION BULKING AG <i>2 tickets and 2 transactions</i>	0.00	30.75	0.00	0.00
B - BUD MATERIALS <i>2 tickets and 2 transactions</i>	0.00	30.75	0.00	0.00
ALB - ALBANY / NY <i>8 tickets and 8 transactions</i>	0.00	164.84	0.00	0.00
ALL - ALLEGANY / NY C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>8 tickets and 8 transactions</i>	0.00	34.92	0.00	0.00
C - CONSTRUCTION DEBRIS <i>8 tickets and 8 transactions</i>	0.00	34.92	0.00	0.00
G - GALLONS LEACH - LEACHATE <i>352 tickets and 352 transactions</i>	0.00	0.00	2,357,798.00	0.00
G - GALLONS <i>352 tickets and 352 transactions</i>	0.00	0.00	2,357,798.00	0.00
I - INDUSTRIAL IND - INDUSTRIAL <i>88 tickets and 88 transactions</i>	0.00	431.26	0.00	0.00
NY - NEW YORK ALL - ALLEGANY / NY I - INDUSTRIAL <i>88 tickets and 88 transactions</i>	0.00	431.26	0.00	0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

326 tickets and 326 transactions

0.00 2,876.31 0.00 0.00

MX - MIXED C&D AND MSW

5 tickets and 5 transactions

0.00 1.57 0.00 0.00

M - MUNICIPAL SOLID WASTE

331 tickets and 331 transactions

0.00 2,877.88 0.00 0.00

S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE

15 tickets and 15 transactions

0.00 213.52 0.00 0.00

S - SEWAGE SLUDGE

15 tickets and 15 transactions

0.00 213.52 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

11 tickets and 11 transactions

0.00 0.00 0.00 14.00

T - CAR AND TRUCK TIRES

11 tickets and 11 transactions

0.00 0.00 0.00 14.00

ALL - ALLEGANY / NY

794 tickets and 805 transactions

0.00 3,557.58 2,357,798.00 14.00

BRON - BRONX / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

1,102 tickets and 1,102 transactions

0.00 40,587.16 0.00 0.00

C - CONSTRUCTION DEBRIS

1,102 tickets and 1,102 transactions

0.00 40,587.16 0.00 0.00

NY - NEW YORK

BRON - BRONX / NY

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

183 tickets and 183 transactions

0.00 6,233.68 0.00 0.00

MX - MIXED C&D AND MSW

4 tickets and 4 transactions

0.00 135.08 0.00 0.00

M - MUNICIPAL SOLID WASTE

187 tickets and 187 transactions

0.00 6,368.76 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

1,090 tickets and 1,134 transactions

0.00 0.00 0.00 1,150.00

T - CAR AND TRUCK TIRES

0.00 0.00 0.00 1,150.00

1,090 tickets and 1,134 transactions

BRON - BRONX / NY

1,289 tickets and 2,423 transactions

0.00 46,955.92 0.00 1,150.00

CAT - CATTARAUGUS / NY

A - ASBESTOS

ASB - ASBESTOS

7 tickets and 7 transactions

0.00 50.63 0.00 0.00

A - ASBESTOS

7 tickets and 7 transactions

0.00 50.63 0.00 0.00

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 9.05 0.00 0.00

C - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 9.05 0.00 0.00

I - INDUSTRIAL

NY - NEW YORK

CAT - CATTARAUGUS / NY

I - INDUSTRIAL

IND - INDUSTRIAL

59 tickets and 59 transactions

0.00 809.79 0.00 0.00

I - INDUSTRIAL

59 tickets and 59 transactions

0.00 809.79 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

18 tickets and 18 transactions

0.00 74.12 0.00 0.00

MX - MIXED C&D AND MSW

316 tickets and 316 transactions

0.00 8,318.05 0.00 0.00

M - MUNICIPAL SOLID WASTE

334 tickets and 334 transactions

0.00 8,392.17 0.00 0.00

S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE

22 tickets and 22 transactions

0.00 352.93 0.00 0.00

S - SEWAGE SLUDGE

22 tickets and 22 transactions

0.00 352.93 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

229 tickets and 232 transactions

0.00 0.00 0.00 234.00

T - CAR AND TRUCK TIRES

0.00 0.00 0.00 234.00

CAT - CATTARAUGUS / NY

423 tickets and 655 transactions

0.00	9,614.57	0.00	234.00
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CHA - CHAUTAUQUA / (NY)

M - MUNICIPAL SOLID WASTE

NY - NEW YORK

CHA - CHAUTAUQUA / (NY)

M - MUNICIPAL SOLID WASTE

MX - MIXED C&D AND MSW

2 tickets and 2 transactions

0.00	13.70	0.00	0.00
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M - MUNICIPAL SOLID WASTE

2 tickets and 2 transactions

0.00	13.70	0.00	0.00
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T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00	0.00	0.00	1.00
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T - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00	0.00	0.00	1.00
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CHA - CHAUTAUQUA / (NY)

2 tickets and 3 transactions

0.00	13.70	0.00	1.00
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CHE - CHEMUNG / NY

A - ASBESTOS

ASB - ASBESTOS

9 tickets and 9 transactions

0.00	120.66	0.00	0.00
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A - ASBESTOS

9 tickets and 9 transactions

0.00	120.66	0.00	0.00
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I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

2 tickets and 2 transactions

0.00	34.33	0.00	0.00
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I - INDUSTRIAL

2 tickets and 2 transactions

0.00	34.33	0.00	0.00
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M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

386 tickets and 386 transactions

0.00	13,298.60	0.00	0.00
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NY - NEW YORK

CHE - CHEMUNG / NY

M - MUNICIPAL SOLID WASTE

386 tickets and 386 transactions

0.00	13,298.60	0.00	0.00
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T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES <i>5 tickets and 5 transactions</i>	0.00	0.00	0.00	16.00
T - CAR AND TRUCK TIRES <i>5 tickets and 5 transactions</i>	0.00	0.00	0.00	16.00
CHE - CHEMUNG / NY <i>397 tickets and 402 transactions</i>	0.00	13,453.59	0.00	16.00
CHI - CHITTENDEN I - INDUSTRIAL IND - INDUSTRIAL <i>14 tickets and 14 transactions</i>	0.00	43.29	0.00	0.00
SIM - INDUSTRIAL SOLIDIFICATION <i>16 tickets and 16 transactions</i>	0.00	231.11	0.00	0.00
I - INDUSTRIAL <i>30 tickets and 30 transactions</i>	0.00	274.40	0.00	0.00
CHI - CHITTENDEN <i>30 tickets and 30 transactions</i>	0.00	274.40	0.00	0.00
DUT - DUTCHESS / NY S - SEWAGE SLUDGE SS - SEWAGE SLUDGE <i>42 tickets and 42 transactions</i>	0.00	1,528.11	0.00	0.00
S - SEWAGE SLUDGE <i>42 tickets and 42 transactions</i>	0.00	1,528.11	0.00	0.00
NY - NEW YORK DUT - DUTCHESS / NY <i>42 tickets and 42 transactions</i>	0.00	1,528.11	0.00	0.00
ERI - ERIE / NY A - ASBESTOS ASB - ASBESTOS <i>48 tickets and 48 transactions</i>	0.00	1,261.27	0.00	0.00
A - ASBESTOS <i>48 tickets and 48 transactions</i>	0.00	1,261.27	0.00	0.00
C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>102 tickets and 102 transactions</i>	0.00	2,513.86	0.00	0.00
C - CONSTRUCTION DEBRIS <i>102 tickets and 102 transactions</i>	0.00	2,513.86	0.00	0.00
M - MUNICIPAL SOLID WASTE MX - MIXED C&D AND MSW <i>88 tickets and 88 transactions</i>	0.00	2,208.19	0.00	0.00

M - MUNICIPAL SOLID WASTE <i>88 tickets and 88 transactions</i>	0.00	2,208.19	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>5 tickets and 5 transactions</i>	0.00	0.00	0.00	8.00
T - CAR AND TRUCK TIRES <i>5 tickets and 5 transactions</i>	0.00	0.00	0.00	8.00
ERI - ERIE / NY <i>238 tickets and 243 transactions</i>	0.00	5,983.32	0.00	8.00
G - GREENE / NY A - ASBESTOS NY - NEW YORK G - GREENE / NY A - ASBESTOS ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	50.52	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	50.52	0.00	0.00
C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>1 ticket and 1 transaction</i>	0.00	18.59	0.00	0.00
C - CONSTRUCTION DEBRIS <i>1 ticket and 1 transaction</i>	0.00	18.59	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
T - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
G - GREENE / NY <i>3 tickets and 4 transactions</i>	0.00	69.11	0.00	1.00
GEN - GENESEE / NY S - SEWAGE SLUDGE SS - SEWAGE SLUDGE <i>4 tickets and 4 transactions</i>	0.00	113.76	0.00	0.00
S - SEWAGE SLUDGE <i>4 tickets and 4 transactions</i>	0.00	113.76	0.00	0.00
GEN - GENESEE / NY <i>4 tickets and 4 transactions</i>	0.00	113.76	0.00	0.00

HORN - CITY OF HORNELL
NY - NEW YORK

HORN - CITY OF HORNELL

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE
90 tickets and 90 transactions

0.00 900.49 0.00 0.00

M - MUNICIPAL SOLID WASTE

90 tickets and 90 transactions

0.00 900.49 0.00 0.00

HORN - CITY OF HORNELL

90 tickets and 90 transactions

0.00 900.49 0.00 0.00

K - KINGS / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS
209 tickets and 209 transactions

0.00 7,043.47 0.00 0.00

C - CONSTRUCTION DEBRIS

209 tickets and 209 transactions

0.00 7,043.47 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES
184 tickets and 204 transactions

0.00 0.00 0.00 215.00

T - CAR AND TRUCK TIRES

184 tickets and 204 transactions

0.00 0.00 0.00 215.00

K - KINGS / NY

209 tickets and 413 transactions

0.00 7,043.47 0.00 215.00

LIV - LIVINGSTON / NY

A - ASBESTOS

ASB - ASBESTOS
10 tickets and 10 transactions

0.00 224.30 0.00 0.00

A - ASBESTOS

10 tickets and 10 transactions

0.00 224.30 0.00 0.00

NY - NEW YORK

LIV - LIVINGSTON / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS
27 tickets and 27 transactions

0.00 79.17 0.00 0.00

C - CONSTRUCTION DEBRIS

27 tickets and 27 transactions

0.00 79.17 0.00 0.00

I - INDUSTRIAL

IND - INDUSTRIAL
1 ticket and 1 transaction

0.00 15.96 0.00 0.00

SIM - INDUSTRIAL SOLIDIFICATION <i>6 tickets and 6 transactions</i>	0.00	55.29	0.00	0.00
I - INDUSTRIAL <i>7 tickets and 7 transactions</i>	<u>0.00</u>	<u>71.25</u>	<u>0.00</u>	<u>0.00</u>
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE <i>4 tickets and 4 transactions</i>	0.00	34.15	0.00	0.00
MX - MIXED C&D AND MSW <i>33 tickets and 33 transactions</i>	0.00	293.00	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>37 tickets and 37 transactions</i>	<u>0.00</u>	<u>327.15</u>	<u>0.00</u>	<u>0.00</u>
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
T - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>1.00</u>
LIV - LIVINGSTON / NY <i>81 tickets and 82 transactions</i>	<u>0.00</u>	<u>701.87</u>	<u>0.00</u>	<u>1.00</u>
MON - MONROE NY				
NY - NEW YORK				
MON - MONROE NY				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION <i>7 tickets and 7 transactions</i>	0.00	155.58	0.00	0.00
I - INDUSTRIAL <i>7 tickets and 7 transactions</i>	<u>0.00</u>	<u>155.58</u>	<u>0.00</u>	<u>0.00</u>
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE <i>190 tickets and 190 transactions</i>	0.00	5,815.67	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>190 tickets and 190 transactions</i>	<u>0.00</u>	<u>5,815.67</u>	<u>0.00</u>	<u>0.00</u>
MON - MONROE NY <i>197 tickets and 197 transactions</i>	<u>0.00</u>	<u>5,971.25</u>	<u>0.00</u>	<u>0.00</u>
N - NIAGARA / NY				
I - INDUSTRIAL				
IND - INDUSTRIAL <i>1 ticket and 1 transaction</i>	0.00	33.99	0.00	0.00
I - INDUSTRIAL	<u>0.00</u>	<u>33.99</u>	<u>0.00</u>	<u>0.00</u>

1 ticket and 1 transaction

N - NIAGARA / NY

1 ticket and 1 transaction

0.00	33.99	0.00	0.00
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O - ORANGE / NY

A - ASBESTOS

ASB - ASBESTOS

35 tickets and 35 transactions

0.00	817.63	0.00	0.00
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A - ASBESTOS

35 tickets and 35 transactions

0.00	817.63	0.00	0.00
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NY - NEW YORK

O - ORANGE / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

8 tickets and 8 transactions

0.00	245.85	0.00	0.00
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C - CONSTRUCTION DEBRIS

8 tickets and 8 transactions

0.00	245.85	0.00	0.00
------	--------	------	------

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

1 ticket and 1 transaction

0.00	21.78	0.00	0.00
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I - INDUSTRIAL

1 ticket and 1 transaction

0.00	21.78	0.00	0.00
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S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE

34 tickets and 34 transactions

0.00	1,116.45	0.00	0.00
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S - SEWAGE SLUDGE

34 tickets and 34 transactions

0.00	1,116.45	0.00	0.00
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T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

2 tickets and 3 transactions

0.00	0.00	0.00	43.00
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T - CAR AND TRUCK TIRES

2 tickets and 3 transactions

0.00	0.00	0.00	43.00
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O - ORANGE / NY

78 tickets and 81 transactions

0.00	2,201.71	0.00	43.00
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ONO - ONONDAGA / NY

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

26 tickets and 26 transactions

0.00	351.67	0.00	0.00
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NY - NEW YORK

ONO - ONONDAGA / NY**I - INDUSTRIAL***26 tickets and 26 transactions*

0.00	351.67	0.00	0.00
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T - CAR AND TRUCK TIRES**TIRES - CAR AND TRUCK TIRES***1 ticket and 1 transaction*

0.00	0.00	0.00	1.00
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T - CAR AND TRUCK TIRES*1 ticket and 1 transaction*

0.00	0.00	0.00	1.00
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ONO - ONONDAGA / NY*26 tickets and 27 transactions*

0.00	351.67	0.00	1.00
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ONT - ONTARIO / NY**I - INDUSTRIAL****SIM - INDUSTRIAL SOLIDIFICATION***2 tickets and 2 transactions*

0.00	13.55	0.00	0.00
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I - INDUSTRIAL*2 tickets and 2 transactions*

0.00	13.55	0.00	0.00
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ONT - ONTARIO / NY*2 tickets and 2 transactions*

0.00	13.55	0.00	0.00
------	-------	------	------

ORL - ORLEANS / NY**C - CONSTRUCTION DEBRIS****C&D - CONSTRUCTION DEBRIS***2 tickets and 2 transactions*

0.00	47.39	0.00	0.00
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C - CONSTRUCTION DEBRIS*2 tickets and 2 transactions*

0.00	47.39	0.00	0.00
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ORL - ORLEANS / NY*2 tickets and 2 transactions*

0.00	47.39	0.00	0.00
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NY - NEW YORK**Q - QUEENS / NY****C - CONSTRUCTION DEBRIS****C&D - CONSTRUCTION DEBRIS***20 tickets and 20 transactions*

0.00	657.63	0.00	0.00
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C - CONSTRUCTION DEBRIS*20 tickets and 20 transactions*

0.00	657.63	0.00	0.00
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M - MUNICIPAL SOLID WASTE**MSW - MUNICIPAL SOLID WASTE***19 tickets and 19 transactions*

0.00	650.47	0.00	0.00
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M - MUNICIPAL SOLID WASTE*19 tickets and 19 transactions*

0.00	650.47	0.00	0.00
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T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	21.00
<i>20 tickets and 21 transactions</i>				
T - CAR AND TRUCK TIRES	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>21.00</u>
<i>20 tickets and 21 transactions</i>				
Q - QUEENS / NY	<u>0.00</u>	<u>1,308.10</u>	<u>0.00</u>	<u>21.00</u>
<i>39 tickets and 60 transactions</i>				
SCH - SCHOHARIE / NY				
S - SEWAGE SLUDGE				
SS - SEWAGE SLUDGE	0.00	63.07	0.00	0.00
<i>2 tickets and 2 transactions</i>				
S - SEWAGE SLUDGE	<u>0.00</u>	<u>63.07</u>	<u>0.00</u>	<u>0.00</u>
<i>2 tickets and 2 transactions</i>				
SCH - SCHOHARIE / NY	<u>0.00</u>	<u>63.07</u>	<u>0.00</u>	<u>0.00</u>
<i>2 tickets and 2 transactions</i>				
SN - SUFFOLK (NY)				
NY - NEW YORK				
SN - SUFFOLK (NY)				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION	0.00	104.81	0.00	0.00
<i>3 tickets and 3 transactions</i>				
I - INDUSTRIAL	<u>0.00</u>	<u>104.81</u>	<u>0.00</u>	<u>0.00</u>
<i>3 tickets and 3 transactions</i>				
S - SEWAGE SLUDGE				
SS - SEWAGE SLUDGE	0.00	10,644.20	0.00	0.00
<i>373 tickets and 373 transactions</i>				
S - SEWAGE SLUDGE	<u>0.00</u>	<u>10,644.20</u>	<u>0.00</u>	<u>0.00</u>
<i>373 tickets and 373 transactions</i>				
SN - SUFFOLK (NY)	<u>0.00</u>	<u>10,749.01</u>	<u>0.00</u>	<u>0.00</u>
<i>376 tickets and 376 transactions</i>				
STE - STEUBEN / NY				
A - ASBESTOS				
ASB - ASBESTOS	0.00	24.99	0.00	0.00
<i>5 tickets and 5 transactions</i>				
A - ASBESTOS	<u>0.00</u>	<u>24.99</u>	<u>0.00</u>	<u>0.00</u>
<i>5 tickets and 5 transactions</i>				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS	0.00	777.51	0.00	0.00

137 tickets and 137 transactions

C - CONSTRUCTION DEBRIS

137 tickets and 137 transactions

0.00 777.51 0.00 0.00

G - GALLONS

LEACH - LEACHATE

50 tickets and 50 transactions

0.00 0.00 264,436.00 0.00

NY - NEW YORK

STE - STEUBEN / NY

G - GALLONS

50 tickets and 50 transactions

0.00 0.00 264,436.00 0.00

I - INDUSTRIAL

CS - CONTAMINATED SOIL

5 tickets and 5 transactions

0.00 163.63 0.00 0.00

IND - INDUSTRIAL

11 tickets and 11 transactions

0.00 371.71 0.00 0.00

I - INDUSTRIAL

16 tickets and 16 transactions

0.00 535.34 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

139 tickets and 139 transactions

0.00 947.57 0.00 0.00

MX - MIXED C&D AND MSW

117 tickets and 117 transactions

0.00 4,277.62 0.00 0.00

M - MUNICIPAL SOLID WASTE

256 tickets and 256 transactions

0.00 5,225.19 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

11 tickets and 11 transactions

0.00 0.00 0.00 12.00

T - CAR AND TRUCK TIRES

11 tickets and 11 transactions

0.00 0.00 0.00 12.00

STE - STEUBEN / NY

464 tickets and 475 transactions

0.00 6,563.03 264,436.00 12.00

SUL - SULLIVAN / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 26.54 0.00 0.00

NY - NEW YORK

SUL - SULLIVAN / NY

C - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 26.54 0.00 0.00

T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
T - CAR AND TRUCK TIRES	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>1.00</u>
<i>1 ticket and 1 transaction</i>				
SUL - SULLIVAN / NY	<u>0.00</u>	<u>26.54</u>	<u>0.00</u>	<u>1.00</u>
<i>1 ticket and 2 transactions</i>				
TI - TIOGA/NY				
B - BUD MATERIALS				
BUD - BUD ADC	0.00	14,458.51	0.00	0.00
<i>403 tickets and 403 transactions</i>				
BUDSBA - BUD SOLIDIFICATION BULKING AG	0.00	655.21	0.00	0.00
<i>19 tickets and 19 transactions</i>				
B - BUD MATERIALS	<u>0.00</u>	<u>15,113.72</u>	<u>0.00</u>	<u>0.00</u>
<i>422 tickets and 422 transactions</i>				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	2.00
<i>2 tickets and 2 transactions</i>				
T - CAR AND TRUCK TIRES	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>2.00</u>
<i>2 tickets and 2 transactions</i>				
TI - TIOGA/NY	<u>0.00</u>	<u>15,113.72</u>	<u>0.00</u>	<u>2.00</u>
<i>422 tickets and 424 transactions</i>				
TOM - TOMPKINS / NY				
M - MUNICIPAL SOLID WASTE				
NY - NEW YORK				
TOM - TOMPKINS / NY				
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE	0.00	2,391.49	0.00	0.00
<i>71 tickets and 71 transactions</i>				
M - MUNICIPAL SOLID WASTE	<u>0.00</u>	<u>2,391.49</u>	<u>0.00</u>	<u>0.00</u>
<i>71 tickets and 71 transactions</i>				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	9.00
<i>5 tickets and 6 transactions</i>				
T - CAR AND TRUCK TIRES	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>9.00</u>
<i>5 tickets and 6 transactions</i>				
TOM - TOMPKINS / NY	<u>0.00</u>	<u>2,391.49</u>	<u>0.00</u>	<u>9.00</u>
<i>71 tickets and 77 transactions</i>				

ULS - ULSTER NY

A - ASBESTOS

ASB - ASBESTOS

2 tickets and 2 transactions

0.00 46.52 0.00 0.00

A - ASBESTOS

2 tickets and 2 transactions

0.00 46.52 0.00 0.00

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 25.93 0.00 0.00

C - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 25.93 0.00 0.00

ULS - ULSTER NY

3 tickets and 3 transactions

0.00 72.45 0.00 0.00

WES - WESTCHESTER / NY

NY - NEW YORK

WES - WESTCHESTER / NY

A - ASBESTOS

ASB - ASBESTOS

1 ticket and 1 transaction

0.00 34.17 0.00 0.00

A - ASBESTOS

1 ticket and 1 transaction

0.00 34.17 0.00 0.00

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

91 tickets and 91 transactions

0.00 3,116.85 0.00 0.00

C - CONSTRUCTION DEBRIS

91 tickets and 91 transactions

0.00 3,116.85 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

155 tickets and 155 transactions

0.00 4,705.38 0.00 0.00

MX - MIXED C&D AND MSW

1 ticket and 1 transaction

0.00 32.34 0.00 0.00

M - MUNICIPAL SOLID WASTE

156 tickets and 156 transactions

0.00 4,737.72 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

76 tickets and 80 transactions

0.00 0.00 0.00 93.00

T - CAR AND TRUCK TIRES

76 tickets and 80 transactions

0.00 0.00 0.00 93.00

WES - WESTCHESTER / NY <i>248 tickets and 328 transactions</i>	0.00	7,888.74	0.00	93.00
WYO - WYOMING / NY A - ASBESTOS				
NY - NEW YORK WYO - WYOMING / NY A - ASBESTOS ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	39.17	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	39.17	0.00	0.00
C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>1 ticket and 1 transaction</i>	0.00	10.25	0.00	0.00
C - CONSTRUCTION DEBRIS <i>1 ticket and 1 transaction</i>	0.00	10.25	0.00	0.00
WYO - WYOMING / NY <i>3 tickets and 3 transactions</i>	0.00	49.42	0.00	0.00
YAT - YATES / NY I - INDUSTRIAL DW - OIL/GAS DRILLING WASTE <i>79 tickets and 79 transactions</i>	0.00	1,463.32	0.00	0.00
I - INDUSTRIAL <i>79 tickets and 79 transactions</i>	0.00	1,463.32	0.00	0.00
YAT - YATES / NY <i>79 tickets and 79 transactions</i>	0.00	1,463.32	0.00	0.00
NY - NEW YORK <i>5,624 tickets and 7,343 transactions</i>	0.00	144,683.18	2,622,234.00	1,822.00
PA - PENNSYLVANIA BRA - BRADFORD / PA I - INDUSTRIAL				
PA - PENNSYLVANIA BRA - BRADFORD / PA I - INDUSTRIAL SIM - INDUSTRIAL SOLIDIFICATION <i>2 tickets and 2 transactions</i>	0.00	10.00	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	10.00	0.00	0.00
BRA - BRADFORD / PA	0.00	10.00	0.00	0.00

2 tickets and 2 transactions

ER - ERIE,PA

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

2 tickets and 2 transactions

0.00 13.37 0.00 0.00

I - INDUSTRIAL

2 tickets and 2 transactions

0.00 13.37 0.00 0.00

ER - ERIE,PA

2 tickets and 2 transactions

0.00 13.37 0.00 0.00

MCK - MCKEAN / PA

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 16.33 0.00 0.00

C - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 16.33 0.00 0.00

MCK - MCKEAN / PA

1 ticket and 1 transaction

0.00 16.33 0.00 0.00

POT - POTTER / PA

I - INDUSTRIAL

PA - PENNSYLVANIA

POT - POTTER / PA

I - INDUSTRIAL

IND - INDUSTRIAL

15 tickets and 15 transactions

0.00 234.84 0.00 0.00

I - INDUSTRIAL

15 tickets and 15 transactions

0.00 234.84 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

116 tickets and 116 transactions

0.00 1,881.71 0.00 0.00

M - MUNICIPAL SOLID WASTE

116 tickets and 116 transactions

0.00 1,881.71 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

92 tickets and 93 transactions

0.00 0.00 0.00 95.00

T - CAR AND TRUCK TIRES

92 tickets and 93 transactions

0.00 0.00 0.00 95.00

POT - POTTER / PA

131 tickets and 224 transactions

0.00 2,116.55 0.00 95.00

PA - PENNSYLVANIA

136 tickets and 229 transactions

0.00

2,156.25

0.00

95.00

Report Grand Totals

5,782 tickets and 7,597 transactions

0.00

147,233.18

2,622,234.00

1,920.00

End of Report

Waste Origin for 2017

Origin / Material Report

Transactions from 01/01/2017 through 12/31/2017
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Material
Material Category Summary

	Cubic Yards	Tons	Gallons	Units
CAN - CANADA				
CAN - CANADA				
A - ASBESTOS				
ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	20.32	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	20.32	0.00	0.00
CAN - CANADA <i>2 tickets and 2 transactions</i>	0.00	20.32	0.00	0.00
CANA - CANADA				
A - ASBESTOS				
ASB - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	6.40	0.00	0.00
A - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	6.40	0.00	0.00
CANA - CANADA <i>1 ticket and 1 transaction</i>	0.00	6.40	0.00	0.00
CAN - CANADA <i>3 tickets and 3 transactions</i>	0.00	26.72	0.00	0.00
CT - CONNECTICUT				
FAI - FAIRFIELD / CT				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION <i>2 tickets and 2 transactions</i>	0.00	68.37	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	68.37	0.00	0.00
FAI - FAIRFIELD / CT <i>2 tickets and 2 transactions</i>	0.00	68.37	0.00	0.00
CT - CONNECTICUT				
HAR - HARTFORD / CT				

A - ASBESTOS				
ASB - ASBESTOS	0.00	74.10	0.00	0.00
<i>4 tickets and 4 transactions</i>				
A - ASBESTOS	0.00	74.10	0.00	0.00
<i>4 tickets and 4 transactions</i>				
HAR - HARTFORD / CT	0.00	74.10	0.00	0.00
<i>4 tickets and 4 transactions</i>				
MIDD - MIDDLESEX / CT				
A - ASBESTOS				
ASB - ASBESTOS	0.00	61.27	0.00	0.00
<i>4 tickets and 4 transactions</i>				
A - ASBESTOS	0.00	61.27	0.00	0.00
<i>4 tickets and 4 transactions</i>				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION	0.00	0.33	0.00	0.00
<i>1 ticket and 1 transaction</i>				
I - INDUSTRIAL	0.00	0.33	0.00	0.00
<i>1 ticket and 1 transaction</i>				
MIDD - MIDDLESEX / CT	0.00	61.60	0.00	0.00
<i>5 tickets and 5 transactions</i>				
NC - NEW HAVEN / CT				
I - INDUSTRIAL				
IND - INDUSTRIAL	0.00	59.20	0.00	0.00
<i>5 tickets and 5 transactions</i>				
I - INDUSTRIAL	0.00	59.20	0.00	0.00
<i>5 tickets and 5 transactions</i>				
CT - CONNECTICUT				
NC - NEW HAVEN / CT				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
NC - NEW HAVEN / CT	0.00	59.20	0.00	1.00
<i>5 tickets and 6 transactions</i>				
NEWL - NEW LONDON				
A - ASBESTOS				
ASB - ASBESTOS	0.00	13.81	0.00	0.00
<i>1 ticket and 1 transaction</i>				
A - ASBESTOS	0.00	13.81	0.00	0.00
<i>1 ticket and 1 transaction</i>				
NEWL - NEW LONDON	0.00	13.81	0.00	0.00
<i>1 ticket and 1 transaction</i>				

WEST - WESTCHESTER/ CT

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

3 tickets and 3 transactions

0.00 110.87 0.00 0.00

C - CONSTRUCTION DEBRIS

3 tickets and 3 transactions

0.00 110.87 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

1 ticket and 1 transaction

0.00 28.34 0.00 0.00

M - MUNICIPAL SOLID WASTE

1 ticket and 1 transaction

0.00 28.34 0.00 0.00

CT - CONNECTICUT

WEST - WESTCHESTER/ CT

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

2 tickets and 2 transactions

0.00 0.00 0.00 2.00

T - CAR AND TRUCK TIRES

2 tickets and 2 transactions

0.00 0.00 0.00 2.00

WEST - WESTCHESTER/ CT

4 tickets and 6 transactions

0.00 139.21 0.00 2.00

CT - CONNECTICUT

21 tickets and 24 transactions

0.00 416.29 0.00 3.00

MA - MASSACHUSETTES

ESS - ESSEX / MASS

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

2 tickets and 2 transactions

0.00 20.79 0.00 0.00

I - INDUSTRIAL

2 tickets and 2 transactions

0.00 20.79 0.00 0.00

ESS - ESSEX / MASS

2 tickets and 2 transactions

0.00 20.79 0.00 0.00

HAM - HAMPDEN / MASS

A - ASBESTOS

ASB - ASBESTOS

3 tickets and 3 transactions

0.00 97.39 0.00 0.00

A - ASBESTOS

3 tickets and 3 transactions

0.00 97.39 0.00 0.00

I - INDUSTRIAL

MA - MASSACHUSETTES

HAM - HAMPDEN / MASS

I - INDUSTRIAL

CS - CONTAMINATED SOIL

12 tickets and 12 transactions

0.00 430.66 0.00 0.00

I - INDUSTRIAL

12 tickets and 12 transactions

0.00 430.66 0.00 0.00

HAM - HAMPDEN / MASS <i>15 tickets and 15 transactions</i>	0.00	528.05	0.00	0.00
MI - MIDDLESEX / MASS				
A - ASBESTOS				
ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	70.78	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	70.78	0.00	0.00
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION <i>2 tickets and 2 transactions</i>	0.00	16.02	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	16.02	0.00	0.00
MI - MIDDLESEX / MASS <i>4 tickets and 4 transactions</i>	0.00	86.80	0.00	0.00
P - PLYMOUTH / MASS				
A - ASBESTOS				
ASB - ASBESTOS <i>3 tickets and 3 transactions</i>	0.00	54.25	0.00	0.00
A - ASBESTOS <i>3 tickets and 3 transactions</i>	0.00	54.25	0.00	0.00
MA - MASSACHUSETTES				
P - PLYMOUTH / MASS <i>3 tickets and 3 transactions</i>	0.00	54.25	0.00	0.00
SM - SUFFOLK MASS				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION <i>1 ticket and 1 transaction</i>	0.00	9.05	0.00	0.00
I - INDUSTRIAL <i>1 ticket and 1 transaction</i>	0.00	9.05	0.00	0.00
SM - SUFFOLK MASS <i>1 ticket and 1 transaction</i>	0.00	9.05	0.00	0.00
MA - MASSACHUSETTES <i>25 tickets and 25 transactions</i>	0.00	698.94	0.00	0.00
MAI - MAINE				
CUM - CUMBERLAND/ ME				
I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION <i>17 tickets and 17 transactions</i>	0.00	197.90	0.00	0.00
I - INDUSTRIAL <i>17 tickets and 17 transactions</i>	0.00	197.90	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	4.00

4 tickets and 4 transactions

T - CAR AND TRUCK TIRES

4 tickets and 4 transactions

0.00 0.00 0.00 4.00

CUM - CUMBERLAND/ ME

17 tickets and 21 transactions

0.00 197.90 0.00 4.00

MAI - MAINE

17 tickets and 21 transactions

0.00 197.90 0.00 4.00

NH - NEW HAMPSHIRE

CHNH - CHESHIRE/NH

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

12 tickets and 12 transactions

0.00 136.42 0.00 0.00

I - INDUSTRIAL

12 tickets and 12 transactions

0.00 136.42 0.00 0.00

CHNH - CHESHIRE/NH

12 tickets and 12 transactions

0.00 136.42 0.00 0.00

NH - NEW HAMPSHIRE

12 tickets and 12 transactions

0.00 136.42 0.00 0.00

NJ - NEW JERSEY

BUR - BURLINGTON/NJ

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

8 tickets and 8 transactions

0.00 162.46 0.00 0.00

I - INDUSTRIAL

8 tickets and 8 transactions

0.00 162.46 0.00 0.00

BUR - BURLINGTON/NJ

8 tickets and 8 transactions

0.00 162.46 0.00 0.00

MID - MIDDLESEX / NJ

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

5 tickets and 5 transactions

0.00 76.80 0.00 0.00

I - INDUSTRIAL

5 tickets and 5 transactions

0.00 76.80 0.00 0.00

NJ - NEW JERSEY

MID - MIDDLESEX / NJ

MID - MIDDLESEX / NJ

5 tickets and 5 transactions

0.00 76.80 0.00 0.00

NJ - NEW JERSEY

13 tickets and 13 transactions

0.00 239.26 0.00 0.00

NY - NEW YORK

ALB - ALBANY / NY

A - ASBESTOS

ASB - ASBESTOS

6 tickets and 6 transactions

0.00 134.09 0.00 0.00

A - ASBESTOS <i>6 tickets and 6 transactions</i>	0.00	134.09	0.00	0.00
B - BUD MATERIALS BUDSBA - BUD SOLIDIFICATION BULKING AC <i>2 tickets and 2 transactions</i>	0.00	30.75	0.00	0.00
B - BUD MATERIALS <i>2 tickets and 2 transactions</i>	0.00	30.75	0.00	0.00
I - INDUSTRIAL IND - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	41.01	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	41.01	0.00	0.00
ALB - ALBANY / NY <i>10 tickets and 10 transactions</i>	0.00	205.85	0.00	0.00
ALL - ALLEGANY / NY A - ASBESTOS NY - NEW YORK ALL - ALLEGANY / NY A - ASBESTOS ASB - ASBESTOS <i>36 tickets and 36 transactions</i>	0.00	191.06	0.00	0.00
A - ASBESTOS <i>36 tickets and 36 transactions</i>	0.00	191.06	0.00	0.00
C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>135 tickets and 135 transactions</i>	0.00	549.90	0.00	0.00
C - CONSTRUCTION DEBRIS <i>135 tickets and 135 transactions</i>	0.00	549.90	0.00	0.00
G - GALLONS LEACH - LEACHATE <i>1,538 tickets and 1,538 transactions</i>	0.00	0.00	10,745,673.00	0.00
G - GALLONS <i>1,538 tickets and 1,538 transactions</i>	0.00	0.00	10,745,673.00	0.00
I - INDUSTRIAL IND - INDUSTRIAL <i>355 tickets and 355 transactions</i>	0.00	1,728.67	0.00	0.00
SIM - INDUSTRIAL SOLIDIFICATION <i>8 tickets and 8 transactions</i>	0.00	67.28	0.00	0.00
I - INDUSTRIAL <i>363 tickets and 363 transactions</i>	0.00	1,795.95	0.00	0.00
M - MUNICIPAL SOLID WASTE MSW - MUNICIPAL SOLID WASTE <i>985 tickets and 985 transactions</i>	0.00	8,561.57	0.00	0.00

MX - MIXED C&D AND MSW <i>38 tickets and 38 transactions</i>	0.00	88.50	0.00	0.00
NY - NEW YORK				
ALL - ALLEGANY / NY				
M - MUNICIPAL SOLID WASTE <i>1,023 tickets and 1,023 transactions</i>	0.00	8,650.07	0.00	0.00
S - SEWAGE SLUDGE				
SS - SEWAGE SLUDGE <i>101 tickets and 101 transactions</i>	0.00	1,203.06	0.00	0.00
S - SEWAGE SLUDGE <i>101 tickets and 101 transactions</i>	0.00	1,203.06	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>26 tickets and 26 transactions</i>	0.00	0.00	0.00	34.00
T - CAR AND TRUCK TIRES <i>26 tickets and 26 transactions</i>	0.00	0.00	0.00	34.00
ALL - ALLEGANY / NY <i>3,196 tickets and 3,222 transactions</i>	0.00	12,390.04	10,745,673.00	34.00
BRO - BROOME / NY				
I - INDUSTRIAL				
IND - INDUSTRIAL <i>1 ticket and 1 transaction</i>	0.00	0.91	0.00	0.00
I - INDUSTRIAL <i>1 ticket and 1 transaction</i>	0.00	0.91	0.00	0.00
BRO - BROOME / NY <i>1 ticket and 1 transaction</i>	0.00	0.91	0.00	0.00
BRON - BRONX / NY				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>3,073 tickets and 3,073 transactions</i>	0.00	116,897.45	0.00	0.00
NY - NEW YORK				
BRON - BRONX / NY				
C - CONSTRUCTION DEBRIS <i>3,073 tickets and 3,073 transactions</i>	0.00	116,897.45	0.00	0.00
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE <i>183 tickets and 183 transactions</i>	0.00	6,233.68	0.00	0.00
MX - MIXED C&D AND MSW <i>4 tickets and 4 transactions</i>	0.00	135.08	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>187 tickets and 187 transactions</i>	0.00	6,368.76	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>2,976 tickets and 3,088 transactions</i>	0.00	0.00	0.00	3,154.00

T - CAR AND TRUCK TIRES <i>2,976 tickets and 3,088 transactions</i>	0.00	0.00	0.00	3,154.00
BRON - BRONX / NY <i>3,260 tickets and 6,348 transactions</i>	0.00	123,266.21	0.00	3,154.00
CAT - CATTARAUGUS / NY				
A - ASBESTOS				
ASB - ASBESTOS <i>7 tickets and 7 transactions</i>	0.00	50.63	0.00	0.00
A - ASBESTOS <i>7 tickets and 7 transactions</i>	0.00	50.63	0.00	0.00
B - BUD MATERIALS				
BUD - BUD ADC <i>1 ticket and 1 transaction</i>	0.00	19.98	0.00	0.00
B - BUD MATERIALS <i>1 ticket and 1 transaction</i>	0.00	19.98	0.00	0.00
NY - NEW YORK				
CAT - CATTARAUGUS / NY				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>19 tickets and 19 transactions</i>	0.00	205.51	0.00	0.00
C - CONSTRUCTION DEBRIS <i>19 tickets and 19 transactions</i>	0.00	205.51	0.00	0.00
I - INDUSTRIAL				
IND - INDUSTRIAL <i>195 tickets and 195 transactions</i>	0.00	1,741.84	0.00	0.00
I - INDUSTRIAL <i>195 tickets and 195 transactions</i>	0.00	1,741.84	0.00	0.00
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE <i>67 tickets and 67 transactions</i>	0.00	270.92	0.00	0.00
MX - MIXED C&D AND MSW <i>1,225 tickets and 1,225 transactions</i>	0.00	32,886.94	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>1,292 tickets and 1,292 transactions</i>	0.00	33,157.86	0.00	0.00
S - SEWAGE SLUDGE				
SS - SEWAGE SLUDGE <i>100 tickets and 100 transactions</i>	0.00	1,549.17	0.00	0.00
S - SEWAGE SLUDGE <i>100 tickets and 100 transactions</i>	0.00	1,549.17	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>928 tickets and 940 transactions</i>	0.00	0.00	0.00	960.00
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	960.00

NY - NEW YORK

CAT - CATTARAUGUS / NY

CAT - CATTARAUGUS / NY

1,614 tickets and 2,554 transactions

0.00	36,724.99	0.00	960.00
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CHA - CHAUTAUQUA / (NY)

G - GALLONS

LEACH - LEACHATE

1 ticket and 1 transaction

0.00	0.00	7,114.00	0.00
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G - GALLONS

1 ticket and 1 transaction

0.00	0.00	7,114.00	0.00
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M - MUNICIPAL SOLID WASTE

MX - MIXED C&D AND MSW

2 tickets and 2 transactions

0.00	13.70	0.00	0.00
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M - MUNICIPAL SOLID WASTE

2 tickets and 2 transactions

0.00	13.70	0.00	0.00
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T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00	0.00	0.00	1.00
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T - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00	0.00	0.00	1.00
------	------	------	------

CHA - CHAUTAUQUA / (NY)

3 tickets and 4 transactions

0.00	13.70	7,114.00	1.00
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CHE - CHEMUNG / NY

A - ASBESTOS

ASB - ASBESTOS

19 tickets and 19 transactions

0.00	236.77	0.00	0.00
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A - ASBESTOS

19 tickets and 19 transactions

0.00	236.77	0.00	0.00
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NY - NEW YORK

CHE - CHEMUNG / NY

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

7 tickets and 7 transactions

0.00	119.80	0.00	0.00
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I - INDUSTRIAL

7 tickets and 7 transactions

0.00	119.80	0.00	0.00
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M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

1,592 tickets and 1,592 transactions

0.00	55,577.88	0.00	0.00
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M - MUNICIPAL SOLID WASTE

1,592 tickets and 1,592 transactions

0.00	55,577.88	0.00	0.00
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T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

27 tickets and 28 transactions

0.00	0.00	0.00	61.00
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T - CAR AND TRUCK TIRES <i>27 tickets and 28 transactions</i>	0.00	0.00	0.00	61.00
CHE - CHEMUNG / NY <i>1,618 tickets and 1,646 transactions</i>	0.00	55,934.45	0.00	61.00
CHI - CHITTENDEN				
I - INDUSTRIAL				
IND - INDUSTRIAL <i>58 tickets and 58 transactions</i>	0.00	180.17	0.00	0.00
SIM - INDUSTRIAL SOLIDIFICATION <i>65 tickets and 65 transactions</i>	0.00	898.26	0.00	0.00
I - INDUSTRIAL <i>123 tickets and 123 transactions</i>	0.00	1,078.43	0.00	0.00
NY - NEW YORK				
CHI - CHITTENDEN <i>123 tickets and 123 transactions</i>	0.00	1,078.43	0.00	0.00
DUT - DUTCHESS / NY				
A - ASBESTOS				
ASB - ASBESTOS <i>81 tickets and 81 transactions</i>	0.00	1,855.21	0.00	0.00
A - ASBESTOS <i>81 tickets and 81 transactions</i>	0.00	1,855.21	0.00	0.00
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>40 tickets and 40 transactions</i>	0.00	727.18	0.00	0.00
C - CONSTRUCTION DEBRIS <i>40 tickets and 40 transactions</i>	0.00	727.18	0.00	0.00
I - INDUSTRIAL				
IND - INDUSTRIAL <i>33 tickets and 33 transactions</i>	0.00	653.38	0.00	0.00
I - INDUSTRIAL <i>33 tickets and 33 transactions</i>	0.00	653.38	0.00	0.00
S - SEWAGE SLUDGE				
SS - SEWAGE SLUDGE <i>143 tickets and 143 transactions</i>	0.00	4,969.94	0.00	0.00
S - SEWAGE SLUDGE <i>143 tickets and 143 transactions</i>	0.00	4,969.94	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>3 tickets and 3 transactions</i>	0.00	0.00	0.00	4.00
T - CAR AND TRUCK TIRES <i>3 tickets and 3 transactions</i>	0.00	0.00	0.00	4.00
NY - NEW YORK				
DUT - DUTCHESS / NY				

DUT - DUTCHESS / NY <i>297 tickets and 300 transactions</i>	0.00	8,205.71	0.00	4.00
ERI - ERIE / NY				
A - ASBESTOS				
ASB - ASBESTOS <i>243 tickets and 243 transactions</i>	0.00	6,515.57	0.00	0.00
A - ASBESTOS <i>243 tickets and 243 transactions</i>	0.00	6,515.57	0.00	0.00
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>513 tickets and 513 transactions</i>	0.00	12,355.63	0.00	0.00
C - CONSTRUCTION DEBRIS <i>513 tickets and 513 transactions</i>	0.00	12,355.63	0.00	0.00
I - INDUSTRIAL				
IND - INDUSTRIAL <i>38 tickets and 38 transactions</i>	0.00	1,286.97	0.00	0.00
SIM - INDUSTRIAL SOLIDIFICATION <i>4 tickets and 4 transactions</i>	0.00	82.71	0.00	0.00
I - INDUSTRIAL <i>42 tickets and 42 transactions</i>	0.00	1,369.68	0.00	0.00
M - MUNICIPAL SOLID WASTE				
MX - MIXED C&D AND MSW <i>362 tickets and 362 transactions</i>	0.00	8,908.00	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>362 tickets and 362 transactions</i>	0.00	8,908.00	0.00	0.00
T - CAR AND TRUCK TIRES				
NY - NEW YORK				
ERI - ERIE / NY				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>27 tickets and 27 transactions</i>	0.00	0.00	0.00	44.00
T - CAR AND TRUCK TIRES <i>27 tickets and 27 transactions</i>	0.00	0.00	0.00	44.00
ERI - ERIE / NY <i>1,160 tickets and 1,187 transactions</i>	0.00	29,148.88	0.00	44.00
G - GREENE / NY				
A - ASBESTOS				
ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	50.52	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	50.52	0.00	0.00
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>41 tickets and 41 transactions</i>	0.00	1,100.76	0.00	0.00

C - CONSTRUCTION DEBRIS <i>41 tickets and 41 transactions</i>	0.00	1,100.76	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>39 tickets and 43 transactions</i>	0.00	0.00	0.00	46.00
T - CAR AND TRUCK TIRES <i>39 tickets and 43 transactions</i>	0.00	0.00	0.00	46.00
G - GREENE / NY <i>43 tickets and 86 transactions</i>	0.00	1,151.28	0.00	46.00
GEN - GENESEE / NY NY - NEW YORK GEN - GENESEE / NY C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>5 tickets and 5 transactions</i>	0.00	124.70	0.00	0.00
C - CONSTRUCTION DEBRIS <i>5 tickets and 5 transactions</i>	0.00	124.70	0.00	0.00
S - SEWAGE SLUDGE SS - SEWAGE SLUDGE <i>4 tickets and 4 transactions</i>	0.00	113.76	0.00	0.00
S - SEWAGE SLUDGE <i>4 tickets and 4 transactions</i>	0.00	113.76	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	6.00
T - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	6.00
GEN - GENESEE / NY <i>9 tickets and 10 transactions</i>	0.00	238.46	0.00	6.00
HORN - CITY OF HORNELL M - MUNICIPAL SOLID WASTE MSW - MUNICIPAL SOLID WASTE <i>294 tickets and 294 transactions</i>	0.00	4,045.01	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>294 tickets and 294 transactions</i>	0.00	4,045.01	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>32 tickets and 33 transactions</i>	0.00	0.00	0.00	35.00
NY - NEW YORK HORN - CITY OF HORNELL T - CAR AND TRUCK TIRES <i>32 tickets and 33 transactions</i>	0.00	0.00	0.00	35.00
HORN - CITY OF HORNELL	0.00	4,045.01	0.00	35.00

K - KINGS / NY**C - CONSTRUCTION DEBRIS****C&D - CONSTRUCTION DEBRIS**

304 tickets and 304 transactions

0.00 10,414.00 0.00 0.00

C - CONSTRUCTION DEBRIS

304 tickets and 304 transactions

0.00 10,414.00 0.00 0.00

S - SEWAGE SLUDGE**SS - SEWAGE SLUDGE**

2 tickets and 2 transactions

0.00 70.03 0.00 0.00

S - SEWAGE SLUDGE

2 tickets and 2 transactions

0.00 70.03 0.00 0.00

T - CAR AND TRUCK TIRES**TIRES - CAR AND TRUCK TIRES**

250 tickets and 280 transactions

0.00 0.00 0.00 298.00

T - CAR AND TRUCK TIRES

250 tickets and 280 transactions

0.00 0.00 0.00 298.00

K - KINGS / NY

306 tickets and 586 transactions

0.00 10,484.03 0.00 298.00

LIV - LIVINGSTON / NY**A - ASBESTOS****ASB - ASBESTOS**

14 tickets and 14 transactions

0.00 277.68 0.00 0.00

NY - NEW YORK**LIV - LIVINGSTON / NY****A - ASBESTOS**

14 tickets and 14 transactions

0.00 277.68 0.00 0.00

B - BUD MATERIALS**BUD - BUD ADC**

1 ticket and 1 transaction

0.00 20.75 0.00 0.00

B - BUD MATERIALS

1 ticket and 1 transaction

0.00 20.75 0.00 0.00

C - CONSTRUCTION DEBRIS**C&D - CONSTRUCTION DEBRIS**

45 tickets and 45 transactions

0.00 207.71 0.00 0.00

C - CONSTRUCTION DEBRIS

45 tickets and 45 transactions

0.00 207.71 0.00 0.00

I - INDUSTRIAL**IND - INDUSTRIAL**

2 tickets and 2 transactions

0.00 45.88 0.00 0.00

SIM - INDUSTRIAL SOLIDIFICATION

8 tickets and 8 transactions

0.00 64.21 0.00 0.00

I - INDUSTRIAL

10 tickets and 10 transactions

0.00 110.09 0.00 0.00

M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE	0.00	147.07	0.00	0.00
<i>25 tickets and 25 transactions</i>				
MX - MIXED C&D AND MSW	0.00	365.89	0.00	0.00
<i>40 tickets and 40 transactions</i>				
M - MUNICIPAL SOLID WASTE	0.00	512.96	0.00	0.00
<i>65 tickets and 65 transactions</i>				
T - CAR AND TRUCK TIRES				
NY - NEW YORK				
LIV - LIVINGSTON / NY				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
LIV - LIVINGSTON / NY	0.00	1,129.19	0.00	1.00
<i>135 tickets and 136 transactions</i>				
MO - MONTGOMERY / NY				
A - ASBESTOS				
ASB - ASBESTOS	0.00	2,417.40	0.00	0.00
<i>93 tickets and 93 transactions</i>				
A - ASBESTOS	0.00	2,417.40	0.00	0.00
<i>93 tickets and 93 transactions</i>				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	1.00
<i>1 ticket and 1 transaction</i>				
MO - MONTGOMERY / NY	0.00	2,417.40	0.00	1.00
<i>93 tickets and 94 transactions</i>				
MON - MONROE NY				
A - ASBESTOS				
ASB - ASBESTOS	0.00	671.14	0.00	0.00
<i>23 tickets and 23 transactions</i>				
A - ASBESTOS	0.00	671.14	0.00	0.00
<i>23 tickets and 23 transactions</i>				
NY - NEW YORK				
MON - MONROE NY				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS	0.00	241.67	0.00	0.00
<i>8 tickets and 8 transactions</i>				
C - CONSTRUCTION DEBRIS	0.00	241.67	0.00	0.00
<i>8 tickets and 8 transactions</i>				

I - INDUSTRIAL				
SIM - INDUSTRIAL SOLIDIFICATION	0.00	1,356.57	0.00	0.00
<i>63 tickets and 63 transactions</i>				
I - INDUSTRIAL	0.00	1,356.57	0.00	0.00
<i>63 tickets and 63 transactions</i>				
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE	0.00	30,141.25	0.00	0.00
<i>981 tickets and 981 transactions</i>				
M - MUNICIPAL SOLID WASTE	0.00	30,141.25	0.00	0.00
<i>981 tickets and 981 transactions</i>				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	153.00
<i>124 tickets and 131 transactions</i>				
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	153.00
<i>124 tickets and 131 transactions</i>				
MON - MONROE NY				
<i>1,075 tickets and 1,206 transactions</i>	0.00	32,410.63	0.00	153.00
N - NIAGARA / NY				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS	0.00	16.92	0.00	0.00
<i>1 ticket and 1 transaction</i>				
NY - NEW YORK				
N - NIAGARA / NY				
C - CONSTRUCTION DEBRIS	0.00	16.92	0.00	0.00
<i>1 ticket and 1 transaction</i>				
I - INDUSTRIAL				
IND - INDUSTRIAL	0.00	33.99	0.00	0.00
<i>1 ticket and 1 transaction</i>				
SIM - INDUSTRIAL SOLIDIFICATION	0.00	143.31	0.00	0.00
<i>7 tickets and 7 transactions</i>				
I - INDUSTRIAL	0.00	177.30	0.00	0.00
<i>8 tickets and 8 transactions</i>				
N - NIAGARA / NY	0.00	194.22	0.00	0.00
<i>9 tickets and 9 transactions</i>				
O - ORANGE / NY				
A - ASBESTOS				
ASB - ASBESTOS	0.00	3,288.82	0.00	0.00
<i>113 tickets and 113 transactions</i>				
A - ASBESTOS	0.00	3,288.82	0.00	0.00
<i>113 tickets and 113 transactions</i>				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS	0.00	730.63	0.00	0.00
<i>23 tickets and 23 transactions</i>				
C - CONSTRUCTION DEBRIS	0.00	730.63	0.00	0.00

23 tickets and 23 transactions

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

4 tickets and 4 transactions

0.00 72.15 0.00 0.00

I - INDUSTRIAL

4 tickets and 4 transactions

0.00 72.15 0.00 0.00

NY - NEW YORK

O - ORANGE / NY

S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE

160 tickets and 160 transactions

0.00 5,691.90 0.00 0.00

S - SEWAGE SLUDGE

160 tickets and 160 transactions

0.00 5,691.90 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

6 tickets and 7 transactions

0.00 0.00 0.00 47.00

T - CAR AND TRUCK TIRES

6 tickets and 7 transactions

0.00 0.00 0.00 47.00

O - ORANGE / NY

300 tickets and 307 transactions

0.00 9,783.50 0.00 47.00

ONO - ONONDAGA / NY

B - BUD MATERIALS

BUD - BUD ADC

145 tickets and 145 transactions

0.00 4,829.66 0.00 0.00

B - BUD MATERIALS

145 tickets and 145 transactions

0.00 4,829.66 0.00 0.00

I - INDUSTRIAL

CS - CONTAMINATED SOIL

18 tickets and 18 transactions

0.00 591.41 0.00 0.00

SIM - INDUSTRIAL SOLIDIFICATION

71 tickets and 71 transactions

0.00 994.86 0.00 0.00

I - INDUSTRIAL

89 tickets and 89 transactions

0.00 1,586.27 0.00 0.00

T - CAR AND TRUCK TIRES

NY - NEW YORK

ONO - ONONDAGA / NY

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00 0.00 0.00 1.00

T - CAR AND TRUCK TIRES

1 ticket and 1 transaction

0.00 0.00 0.00 1.00

ONO - ONONDAGA / NY

234 tickets and 235 transactions

0.00 6,415.93 0.00 1.00

ONT - ONTARIO / NY

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

3 tickets and 3 transactions

0.00 28.98 0.00 0.00

I - INDUSTRIAL

3 tickets and 3 transactions

0.00 28.98 0.00 0.00

ONT - ONTARIO / NY

3 tickets and 3 transactions

0.00 28.98 0.00 0.00

ORL - ORLEANS / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

2 tickets and 2 transactions

0.00 47.39 0.00 0.00

C - CONSTRUCTION DEBRIS

2 tickets and 2 transactions

0.00 47.39 0.00 0.00

ORL - ORLEANS / NY

2 tickets and 2 transactions

0.00 47.39 0.00 0.00

OS - OSWEGO / NY

M - MUNICIPAL SOLID WASTE

NY - NEW YORK

OS - OSWEGO / NY

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

1 ticket and 1 transaction

0.00 29.86 0.00 0.00

M - MUNICIPAL SOLID WASTE

1 ticket and 1 transaction

0.00 29.86 0.00 0.00

OS - OSWEGO / NY

1 ticket and 1 transaction

0.00 29.86 0.00 0.00

OT - OTSEGO / NY

A - ASBESTOS

ASB - ASBESTOS

39 tickets and 39 transactions

0.00 964.87 0.00 0.00

A - ASBESTOS

39 tickets and 39 transactions

0.00 964.87 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

1 ticket and 2 transactions

0.00 0.00 0.00 2.00

T - CAR AND TRUCK TIRES

1 ticket and 2 transactions

0.00 0.00 0.00 2.00

OT - OTSEGO / NY

39 tickets and 41 transactions

0.00 964.87 0.00 2.00

Q - QUEENS / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS

55 tickets and 55 transactions

0.00 1,813.33 0.00 0.00

C - CONSTRUCTION DEBRIS

0.00 1,813.33 0.00 0.00

NY - NEW YORK

Q - QUEENS / NY

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE
19 tickets and 19 transactions

0.00 650.47 0.00 0.00

M - MUNICIPAL SOLID WASTE
19 tickets and 19 transactions

0.00 650.47 0.00 0.00

S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE
11 tickets and 11 transactions

0.00 337.62 0.00 0.00

S - SEWAGE SLUDGE
11 tickets and 11 transactions

0.00 337.62 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES
35 tickets and 41 transactions

0.00 0.00 0.00 41.00

T - CAR AND TRUCK TIRES
35 tickets and 41 transactions

0.00 0.00 0.00 41.00

Q - QUEENS / NY

85 tickets and 126 transactions

0.00 2,801.42 0.00 41.00

REN - RENSSELAER / NY

A - ASBESTOS

ASB - ASBESTOS
5 tickets and 5 transactions

0.00 153.40 0.00 0.00

A - ASBESTOS
5 tickets and 5 transactions

0.00 153.40 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES
1 ticket and 1 transaction

0.00 0.00 0.00 1.00

NY - NEW YORK

REN - RENSSELAER / NY

T - CAR AND TRUCK TIRES
1 ticket and 1 transaction

0.00 0.00 0.00 1.00

REN - RENSSELAER / NY
5 tickets and 6 transactions

0.00 153.40 0.00 1.00

RO - ROCKLAND / NY

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS
43 tickets and 43 transactions

0.00 1,414.66 0.00 0.00

C - CONSTRUCTION DEBRIS
43 tickets and 43 transactions

0.00 1,414.66 0.00 0.00

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE

0.00 67.12 0.00 0.00

2 tickets and 2 transactions

M - MUNICIPAL SOLID WASTE

2 tickets and 2 transactions

0.00 67.12 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES

16 tickets and 16 transactions

0.00 0.00 0.00 16.00

T - CAR AND TRUCK TIRES

16 tickets and 16 transactions

0.00 0.00 0.00 16.00

RO - ROCKLAND / NY

45 tickets and 61 transactions

0.00 1,481.78 0.00 16.00

SAR - SARASOTA / NY

A - ASBESTOS

ASB - ASBESTOS

1 ticket and 1 transaction

0.00 15.90 0.00 0.00

NY - NEW YORK

SAR - SARASOTA / NY

A - ASBESTOS

1 ticket and 1 transaction

0.00 15.90 0.00 0.00

SAR - SARASOTA / NY

1 ticket and 1 transaction

0.00 15.90 0.00 0.00

SC - SCHENECTADY / NY

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

1 ticket and 1 transaction

0.00 7.44 0.00 0.00

I - INDUSTRIAL

1 ticket and 1 transaction

0.00 7.44 0.00 0.00

SC - SCHENECTADY / NY

1 ticket and 1 transaction

0.00 7.44 0.00 0.00

SCH - SCHOHARIE / NY

S - SEWAGE SLUDGE

SS - SEWAGE SLUDGE

43 tickets and 43 transactions

0.00 1,383.49 0.00 0.00

S - SEWAGE SLUDGE

43 tickets and 43 transactions

0.00 1,383.49 0.00 0.00

SCH - SCHOHARIE / NY

43 tickets and 43 transactions

0.00 1,383.49 0.00 0.00

SCHU - SCHUYLER / NY

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION

43 tickets and 43 transactions

0.00 632.58 0.00 0.00

I - INDUSTRIAL

43 tickets and 43 transactions

0.00 632.58 0.00 0.00

NY - NEW YORK

SCHU - SCHUYLER / NY

SCHU - SCHUYLER / NY*43 tickets and 43 transactions*

0.00 632.58 0.00 0.00

SN - SUFFOLK (NY)**I - INDUSTRIAL****SIM - INDUSTRIAL SOLIDIFICATION***3 tickets and 3 transactions*

0.00 104.81 0.00 0.00

I - INDUSTRIAL*3 tickets and 3 transactions*

0.00 104.81 0.00 0.00

S - SEWAGE SLUDGE**SS - SEWAGE SLUDGE***1,251 tickets and 1,251 transactions*

0.00 39,465.68 0.00 0.00

S - SEWAGE SLUDGE*1,251 tickets and 1,251 transactions*

0.00 39,465.68 0.00 0.00

SN - SUFFOLK (NY)*1,254 tickets and 1,254 transactions*

0.00 39,570.49 0.00 0.00

STE - STEUBEN / NY**A - ASBESTOS****ASB - ASBESTOS***45 tickets and 45 transactions*

0.00 579.69 0.00 0.00

A - ASBESTOS*45 tickets and 45 transactions*

0.00 579.69 0.00 0.00

C - CONSTRUCTION DEBRIS**C&D - CONSTRUCTION DEBRIS***347 tickets and 347 transactions*

0.00 1,828.27 0.00 0.00

C - CONSTRUCTION DEBRIS*347 tickets and 347 transactions*

0.00 1,828.27 0.00 0.00

NY - NEW YORK**STE - STEUBEN / NY****G - GALLONS****LEACH - LEACHATE***180 tickets and 180 transactions*

0.00 0.00 1,182,132.00 0.00

G - GALLONS*180 tickets and 180 transactions*

0.00 0.00 1,182,132.00 0.00

I - INDUSTRIAL**CS - CONTAMINATED SOIL***9 tickets and 9 transactions*

0.00 227.86 0.00 0.00

IND - INDUSTRIAL*28 tickets and 28 transactions*

0.00 767.18 0.00 0.00

I - INDUSTRIAL*37 tickets and 37 transactions*

0.00 995.04 0.00 0.00

M - MUNICIPAL SOLID WASTE**MSW - MUNICIPAL SOLID WASTE***393 tickets and 393 transactions*

0.00 4,758.26 0.00 0.00

MX - MIXED C&D AND MSW <i>457 tickets and 457 transactions</i>	0.00	16,775.76	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>850 tickets and 850 transactions</i>	0.00	21,534.02	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>63 tickets and 66 transactions</i>	0.00	0.00	0.00	81.00
T - CAR AND TRUCK TIRES <i>63 tickets and 66 transactions</i>	0.00	0.00	0.00	81.00
STE - STEUBEN / NY <i>1,459 tickets and 1,525 transactions</i>	0.00	24,937.02	1,182,132.00	81.00
NY - NEW YORK SUFF - SUFFOLK CTY / (NY) S - SEWAGE SLUDGE SS - SEWAGE SLUDGE <i>24 tickets and 24 transactions</i>	0.00	412.60	0.00	0.00
S - SEWAGE SLUDGE <i>24 tickets and 24 transactions</i>	0.00	412.60	0.00	0.00
SUFF - SUFFOLK CTY / (NY) <i>24 tickets and 24 transactions</i>	0.00	412.60	0.00	0.00
SUL - SULLIVAN / NY A - ASBESTOS ASB - ASBESTOS <i>5 tickets and 5 transactions</i>	0.00	159.85	0.00	0.00
A - ASBESTOS <i>5 tickets and 5 transactions</i>	0.00	159.85	0.00	0.00
C - CONSTRUCTION DEBRIS C&D - CONSTRUCTION DEBRIS <i>2 tickets and 2 transactions</i>	0.00	44.83	0.00	0.00
C - CONSTRUCTION DEBRIS <i>2 tickets and 2 transactions</i>	0.00	44.83	0.00	0.00
T - CAR AND TRUCK TIRES TIRES - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
T - CAR AND TRUCK TIRES <i>1 ticket and 1 transaction</i>	0.00	0.00	0.00	1.00
SUL - SULLIVAN / NY <i>7 tickets and 8 transactions</i>	0.00	204.68	0.00	1.00
TI - TIOGA/NY NY - NEW YORK TI - TIOGA/NY A - ASBESTOS ASB - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	3.14	0.00	0.00

A - ASBESTOS*1 ticket and 1 transaction*

0.00 3.14 0.00 0.00

B - BUD MATERIALS**BUD - BUD ADC***1,513 tickets and 1,513 transactions*

0.00 55,239.45 0.00 0.00

BUDSBA - BUD SOLIDIFICATION BULKING AC*84 tickets and 84 transactions*

0.00 2,844.60 0.00 0.00

B - BUD MATERIALS*1,597 tickets and 1,597 transactions*

0.00 58,084.05 0.00 0.00

G - GALLONS**LEACH - LEACHATE***1 ticket and 1 transaction*

0.00 0.00 7,231.00 0.00

G - GALLONS*1 ticket and 1 transaction*

0.00 0.00 7,231.00 0.00

M - MUNICIPAL SOLID WASTE**MSW - MUNICIPAL SOLID WASTE***5 tickets and 5 transactions*

0.00 132.74 0.00 0.00

M - MUNICIPAL SOLID WASTE*5 tickets and 5 transactions*

0.00 132.74 0.00 0.00

T - CAR AND TRUCK TIRES**TIRES - CAR AND TRUCK TIRES***6 tickets and 6 transactions*

0.00 0.00 0.00 8.00

T - CAR AND TRUCK TIRES*6 tickets and 6 transactions*

0.00 0.00 0.00 8.00

NY - NEW YORK**TI - TIOGA/NY***1,604 tickets and 1,610 transactions*

0.00 58,219.93 7,231.00 8.00

TOM - TOMPKINS / NY**A - ASBESTOS****ASB - ASBESTOS***21 tickets and 21 transactions*

0.00 384.20 0.00 0.00

A - ASBESTOS*21 tickets and 21 transactions*

0.00 384.20 0.00 0.00

M - MUNICIPAL SOLID WASTE**MSW - MUNICIPAL SOLID WASTE***126 tickets and 126 transactions*

0.00 4,246.67 0.00 0.00

MX - MIXED C&D AND MSW*101 tickets and 101 transactions*

0.00 3,332.77 0.00 0.00

M - MUNICIPAL SOLID WASTE*227 tickets and 227 transactions*

0.00 7,579.44 0.00 0.00

T - CAR AND TRUCK TIRES**TIRES - CAR AND TRUCK TIRES***6 tickets and 7 transactions*

0.00 0.00 0.00 10.00

T - CAR AND TRUCK TIRES <i>6 tickets and 7 transactions</i>	0.00	0.00	0.00	10.00
TOM - TOMPKINS / NY <i>248 tickets and 255 transactions</i>	0.00	7,963.64	0.00	10.00
ULS - ULSTER NY				
A - ASBESTOS				
ASB - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	46.52	0.00	0.00
A - ASBESTOS <i>2 tickets and 2 transactions</i>	0.00	46.52	0.00	0.00
NY - NEW YORK				
ULS - ULSTER NY				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>33 tickets and 33 transactions</i>	0.00	1,090.21	0.00	0.00
C - CONSTRUCTION DEBRIS <i>33 tickets and 33 transactions</i>	0.00	1,090.21	0.00	0.00
I - INDUSTRIAL				
IND - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	50.30	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	50.30	0.00	0.00
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES <i>17 tickets and 17 transactions</i>	0.00	0.00	0.00	17.00
T - CAR AND TRUCK TIRES <i>17 tickets and 17 transactions</i>	0.00	0.00	0.00	17.00
ULS - ULSTER NY <i>37 tickets and 54 transactions</i>	0.00	1,187.03	0.00	17.00
WES - WESTCHESTER / NY				
A - ASBESTOS				
ASB - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	34.17	0.00	0.00
A - ASBESTOS <i>1 ticket and 1 transaction</i>	0.00	34.17	0.00	0.00
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>116 tickets and 116 transactions</i>	0.00	3,977.59	0.00	0.00
NY - NEW YORK				
WES - WESTCHESTER / NY				
C - CONSTRUCTION DEBRIS <i>116 tickets and 116 transactions</i>	0.00	3,977.59	0.00	0.00
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE	0.00	4,985.38	0.00	0.00

164 tickets and 164 transactions

MX - MIXED C&D AND MSW
1 ticket and 1 transaction

0.00 32.34 0.00 0.00

M - MUNICIPAL SOLID WASTE
165 tickets and 165 transactions

0.00 5,017.72 0.00 0.00

T - CAR AND TRUCK TIRES

TIRES - CAR AND TRUCK TIRES
90 tickets and 94 transactions

0.00 0.00 0.00 107.00

T - CAR AND TRUCK TIRES
90 tickets and 94 transactions

0.00 0.00 0.00 107.00

WES - WESTCHESTER / NY
282 tickets and 376 transactions

0.00 9,029.48 0.00 107.00

WYO - WYOMING / NY

A - ASBESTOS

ASB - ASBESTOS
2 tickets and 2 transactions

0.00 39.17 0.00 0.00

A - ASBESTOS

2 tickets and 2 transactions

0.00 39.17 0.00 0.00

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS
6 tickets and 6 transactions

0.00 176.30 0.00 0.00

C - CONSTRUCTION DEBRIS

6 tickets and 6 transactions

0.00 176.30 0.00 0.00

NY - NEW YORK

WYO - WYOMING / NY

I - INDUSTRIAL

CS - CONTAMINATED SOIL
1 ticket and 1 transaction

0.00 22.21 0.00 0.00

I - INDUSTRIAL

1 ticket and 1 transaction

0.00 22.21 0.00 0.00

WYO - WYOMING / NY

9 tickets and 9 transactions

0.00 237.68 0.00 0.00

YAT - YATES / NY

I - INDUSTRIAL

DW - OIL/GAS DRILLING WASTE
79 tickets and 79 transactions

0.00 1,463.32 0.00 0.00

I - INDUSTRIAL

79 tickets and 79 transactions

0.00 1,463.32 0.00 0.00

YAT - YATES / NY

79 tickets and 79 transactions

0.00 1,463.32 0.00 0.00

NY - NEW YORK

19,051 tickets and 23,913 transactions

0.00 486,011.80 11,942,150.00 5,130.00

PA - PENNSYLVANIA

AL - ALLEGHENY, PA

M - MUNICIPAL SOLID WASTE

MSW - MUNICIPAL SOLID WASTE
4 tickets and 4 transactions

0.00 25.49 0.00 0.00

M - MUNICIPAL SOLID WASTE

4 tickets and 4 transactions

0.00 25.49 0.00 0.00

PA - PENNSYLVANIA

AL - ALLEGHENY, PA

4 tickets and 4 transactions

0.00 25.49 0.00 0.00

BRA - BRADFORD / PA

I - INDUSTRIAL

CS - CONTAMINATED SOIL
1 ticket and 1 transaction

0.00 17.50 0.00 0.00

IND - INDUSTRIAL
2 tickets and 2 transactions

0.00 19.72 0.00 0.00

SIM - INDUSTRIAL SOLIDIFICATION
19 tickets and 19 transactions

0.00 183.00 0.00 0.00

I - INDUSTRIAL

22 tickets and 22 transactions

0.00 220.22 0.00 0.00

BRA - BRADFORD / PA

22 tickets and 22 transactions

0.00 220.22 0.00 0.00

ELK - ELK

I - INDUSTRIAL

IND - INDUSTRIAL
2 tickets and 2 transactions

0.00 17.13 0.00 0.00

I - INDUSTRIAL

2 tickets and 2 transactions

0.00 17.13 0.00 0.00

ELK - ELK

2 tickets and 2 transactions

0.00 17.13 0.00 0.00

ER - ERIE,PA

I - INDUSTRIAL

SIM - INDUSTRIAL SOLIDIFICATION
12 tickets and 12 transactions

0.00 59.72 0.00 0.00

I - INDUSTRIAL

12 tickets and 12 transactions

0.00 59.72 0.00 0.00

PA - PENNSYLVANIA

ER - ERIE,PA

12 tickets and 12 transactions

0.00 59.72 0.00 0.00

MCK - MCKEAN / PA

C - CONSTRUCTION DEBRIS

C&D - CONSTRUCTION DEBRIS
1 ticket and 1 transaction

0.00 16.33 0.00 0.00

C - CONSTRUCTION DEBRIS

1 ticket and 1 transaction

0.00 16.33 0.00 0.00

M - MUNICIPAL SOLID WASTE				
MX - MIXED C&D AND MSW	0.00	0.93	0.00	0.00
<i>1 ticket and 1 transaction</i>				
M - MUNICIPAL SOLID WASTE	0.00	0.93	0.00	0.00
<i>1 ticket and 1 transaction</i>				
MCK - MCKEAN / PA	0.00	17.26	0.00	0.00
<i>2 tickets and 2 transactions</i>				
POT - POTTER / PA				
B - BUD MATERIALS				
BUD - BUD ADC	0.00	37.58	0.00	0.00
<i>2 tickets and 2 transactions</i>				
B - BUD MATERIALS	0.00	37.58	0.00	0.00
<i>2 tickets and 2 transactions</i>				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS	0.00	97.65	0.00	0.00
<i>7 tickets and 7 transactions</i>				
C - CONSTRUCTION DEBRIS	0.00	97.65	0.00	0.00
<i>7 tickets and 7 transactions</i>				
I - INDUSTRIAL				
PA - PENNSYLVANIA				
POT - POTTER / PA				
I - INDUSTRIAL				
IND - INDUSTRIAL	0.00	350.97	0.00	0.00
<i>33 tickets and 33 transactions</i>				
I - INDUSTRIAL	0.00	350.97	0.00	0.00
<i>33 tickets and 33 transactions</i>				
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE	0.00	7,543.63	0.00	0.00
<i>454 tickets and 454 transactions</i>				
MX - MIXED C&D AND MSW	0.00	9.45	0.00	0.00
<i>1 ticket and 1 transaction</i>				
M - MUNICIPAL SOLID WASTE	0.00	7,553.08	0.00	0.00
<i>455 tickets and 455 transactions</i>				
T - CAR AND TRUCK TIRES				
TIRES - CAR AND TRUCK TIRES	0.00	0.00	0.00	425.00
<i>386 tickets and 394 transactions</i>				
T - CAR AND TRUCK TIRES	0.00	0.00	0.00	425.00
<i>386 tickets and 394 transactions</i>				
POT - POTTER / PA	0.00	8,039.28	0.00	425.00
<i>497 tickets and 891 transactions</i>				
SU - SUSQUEHANNA PA				
I - INDUSTRIAL				
IND - INDUSTRIAL	0.00	3.76	0.00	0.00
<i>1 ticket and 1 transaction</i>				

SIM - INDUSTRIAL SOLIDIFICATION <i>1 ticket and 1 transaction</i>	0.00	11.64	0.00	0.00
I - INDUSTRIAL <i>2 tickets and 2 transactions</i>	0.00	15.40	0.00	0.00
PA - PENNSYLVANIA				
SU - SUSQUEHANNA PA <i>2 tickets and 2 transactions</i>	0.00	15.40	0.00	0.00
TIO - TIOGA/ PA				
A - ASBESTOS				
ASB - ASBESTOS <i>4 tickets and 4 transactions</i>	0.00	73.93	0.00	0.00
A - ASBESTOS <i>4 tickets and 4 transactions</i>	0.00	73.93	0.00	0.00
B - BUD MATERIALS				
BUD - BUD ADC <i>1 ticket and 1 transaction</i>	0.00	38.55	0.00	0.00
B - BUD MATERIALS <i>1 ticket and 1 transaction</i>	0.00	38.55	0.00	0.00
M - MUNICIPAL SOLID WASTE				
MSW - MUNICIPAL SOLID WASTE <i>4 tickets and 4 transactions</i>	0.00	35.32	0.00	0.00
M - MUNICIPAL SOLID WASTE <i>4 tickets and 4 transactions</i>	0.00	35.32	0.00	0.00
TIO - TIOGA/ PA <i>9 tickets and 9 transactions</i>	0.00	147.80	0.00	0.00
WARN - WARREN				
C - CONSTRUCTION DEBRIS				
C&D - CONSTRUCTION DEBRIS <i>4 tickets and 4 transactions</i>	0.00	90.67	0.00	0.00
C - CONSTRUCTION DEBRIS <i>4 tickets and 4 transactions</i>	0.00	90.67	0.00	0.00
PA - PENNSYLVANIA				
WARN - WARREN <i>4 tickets and 4 transactions</i>	0.00	90.67	0.00	0.00
PA - PENNSYLVANIA <i>554 tickets and 948 transactions</i>	0.00	8,632.97	0.00	425.00
Report Grand Totals	0.00	496,360.30	11,942,150.00	5,562.00

19,696 tickets and 24,959 transactions

End of Report

ATTACHMENT 4 – Waste in Place

Year Waste Placed	MSW (tons)	Asbestos Waste (tons)	Ash (tons)	C&D Debris (tons)	Industrial Waste w/Drill Cuttings*	Oil/Gas Drilling Waste	Petroleum Contaminated Soil (tons)	Sewage Treatment Plant Sludge (tons)	MSW/C&D Mixed (tons)	Total BUD Materials (tons)	Total Waste in Landfill (tons)	Identify Landfill Section(s) Used
1998	50,403	2,424	655	17,171	9,290		372	236	43,076	0	123,626	Cell 1
1999	50,403	2,424	655	17,171	9,290		372	236	43,076	0	123,626	Cell 1
2000	50,403	2,424	655	17,171	9,290		372	236	43,076	32,046	155,672	Cell 1
2001	18,805	655	0	6,422	1,956		242	1,781	199,923	7,478	237,262	Cell 1
2002	18,437	0	0	6,004	7,560		89	2,037	190,833	45,908	270,868	Cell 1
2003	4,951	0	0	2,316	26,299		0	1,741	197,010	73,191	305,508	Cells 1 & 2
2004	170,313	0	0	17,178	16,402		0	21,939	0	21,777	247,609	Cells 1 & 2
2005	201,150	0	0	9,218	13,069		0	7,421	0	32,903	263,761	Cells 1 & 2
2006	212,848	0	0	942	4,603		0	12,680	0	27,428	258,501	Cells 1 & 2
2007	230,729	0	0	23,240	4,449		0	32,216	0	59,881	350,515	Cells 1, 2 & 3
2008	198,674	0	0	43,308	15,276		0	23,937	0	42,969	324,164	Cells 1, 2 & 3
2009	145,897	0	297	27,178	7,396		0	31,427	0	37,941	250,136	Cells 1, 2 & 3
2010	101,706	0	0	18,536	163,673		0	19,239	7,859	70,568	381,581	Cells 1, 2 & 3
2011	124,159	346	0	15,916	105,626		0	10,041	1,089	44,463	301,640	Cells 1, 2 & 3
2012	162,847	16,467	0	13,979	13,131		0	27,069	908	57,613	292,013	Cells 1, 2, 3 & 4
2013	139,189	15,572	0	11,462	15,258		0	24,672	0	44,505	250,659	Cells 1, 2, 3 & 4
2014	182,454	13,445	0	27,794	14,019	469	0	19,470	0	63,069	320,720	Cells 1, 2, 3 & 4
2015	203,332	17,854	0	35,546	6,553	1,355	0	24,634	0	43,954	333,228	Cells 1, 2, 3 & 4
2016	203,530	8,782	77	71,505	10,623	14	0	36,379	0	64,721	401,311	Cells 1, 2, 3 & 4
2017	190,030	18,542	0	154,280	12,497	1,463	1,290	55,197	0	63,061	496,360	Cells 1, 2, 3 & 4
WIP Cumulative Total:	2,660,260	98,935	2,339	536,337	466,260	3,301	2,737	352,588	726,850	833,476	5,688,760	

* Drill cuttings were included in Industrial Waste totals through 2013. Starting in 2014, drill cuttings were included under Oil/Gas Drilling Waste

ATTACHMENT 5 – Closure/Post Closure Submittal

**HYLAND LANDFILL
CLOSURE COST ESTIMATE
CELLS 1, 2, 3, 4A, 4B, 4C, AND 5A**

Updated: 12/18/17

Final Cover System Component	Estimated Quantity	Unit	Unit Price ⁽¹⁾ (\$)	Cost ⁽²⁾
Earthwork				
Mobilization	1	LS	50,000.00	\$50,000.00
Erosion Control	57.4	acres	1,500.00	\$86,100.00
Seed/Mulch	57.4	acres	1,200.00	\$68,880.00
Surface Preparation	57.4	acres	2,000.00	\$114,800.00
3H:1V Slopes (See Note 3)				
6" Topsoil	41,846	yd ³	8.00	\$334,768.00
18" Barrier Protection	125,539	yd ³	15.00	\$1,883,085.00
Geocomposite Drainage Layer	2,259,698	ft ²	0.57	\$1,288,027.86
Geomembrane	2,259,698	ft ²	0.52	\$1,175,042.96
Geocomposite Gas Venting Layer	2,259,698	ft ²	0.57	\$1,288,027.86
6" Suitable Subgrade (See Note 4)	41,846	yd ³	2.00	\$83,692.00
20H:1V Slopes (See Note 3)				
6" Topsoil	6,630	yd ³	8.00	\$53,040.00
18" Barrier Protection	19,889	yd ³	15.00	\$298,335.00
Geocomposite Drainage Layer	358,000	ft ²	0.57	\$204,060.00
Geomembrane	358,000	ft ²	0.52	\$186,160.00
Geosynthetic Clay Liner (See Note 5)	358,000	yd ³	0.67	\$239,860.00
Geocomposite Gas Venting Layer	358,000	ft ²	0.57	\$204,060.00
6" Suitable Subgrade (See Note 4)	6,630	yd ³	2.00	\$13,260.00
Design / CQA / Surveying				
Assume 10% of Cost Estimate				\$757,119.87
Total =				\$8,328,318.55

Notes:

1. Unit prices for Earthwork based on cell construction costs at Hyland. Unit prices for Geosynthetics based on cap construction at other Casella sites.
2. Cost and quantities do not include contingency.
3. The estimated area represents the three dimensional area from the toe of the final cover of Cells 1, 2, 3, 4, & 5A.
4. Suitable subgrade unit price based on in-place intermediate cover being suitable for use.
5. Geosynthetic clay liner unit price from construction at other Casella sites.

**HYLAND FACILITY
POST CLOSURE COST ESTIMATE
CELLS 1, 2, 3, 4, AND 5A**

Updated: 12-18-17

1. Environmental Monitoring:

Sampling, Reporting & Data Validation: 17 Monitoring Wells, 4 Surface Water & 6 Groundwater Systems (underdrains)	\$ 27,000.00
Sampling and Reporting: 10 Leachate Locations and 1 Condensate Location	\$ 16,000.00
Sampling and Reporting: 14 gas probes	\$ 700.00
Sampling and Reporting: Water Levels in Monitoring Wells	\$ 600.00
Laboratory Testing: 17 Monitoring Wells (1 baseline @ \$313 + 3 routine @ \$161)	\$ 13,550.00
Laboratory Testing: 4 Surface Water Samples (1 baseline @ \$313 + 3 routine @ \$161)	\$ 3,200.00
Laboratory Testing: 3 Sediment Samples (no sediment at DB-1) (1 baseline @ \$323 + 3 routine @ \$171)	\$ 2,510.00
Laboratory Testing: 6 Groundwater Samples (1 baseline @ \$313 + 3 routine @ \$161)	\$ 4,800.00
Laboratory Testing: 1 Primary Leachate & 9 Secondary Leachate Samples (2 expanded @ \$760)	\$ 15,200.00
Laboratory Testing: 1 Condensate (1 baseline @ \$313)	\$ 313.00
Well Repair: 17 wells @ \$150 each	\$ 2,550.00

Total Annual: \$ 86,423.00

2. Engineering:

Quarterly Inspections: 16 hr/yr. x \$ 75.00 / hr.	\$ 1,200.00
Quarterly Report: 30 hr/yr. x \$ 75.00 / hr.	\$ 2,250.00

Total Annual: \$ 3,450.00

3. Annual Revision to Post Closure Costs:

Review / Revise Post Closure Costs: 12 hr/yr. x \$ 75.00 / hr.	\$ 900.00
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Total Annual: \$ 900.00

4. Maintenance

Cap Maintenance: 150 hr/yr. x \$ 50.00 / hr. and materials	\$ 7,500.00
Mowing: 150 hr/yr. x \$ 50.00 / hr.	\$ 7,500.00
Weekly Inspections: 120 hr/yr. x \$ 50.00 / hr.	\$ 6,000.00
Leachate System Maintenance 150 hr/yr. x \$ 125.00 / hr.	\$ 18,750.00
Fence / Gate Maintenance 10 hr/yr. x \$ 50.00 / hr.	\$ 500.00
Utilities	\$ 1,500.00
Gas System Maintenance 200 hr/yr. x \$ 50.00 / hr. and materials	\$ 10,000.00
Sed. Pond Maintenance 40 hr/yr. x \$ 50.00 / hr. and materials	\$ 2,000.00
Snow Plowing	\$ 1,000.00

Total Annual: \$ 54,750.00

5. Leachate Collection and Treatment:

(The estimated area represents the two dimensional area from the toe of the final cover of Cells 1, 2, 3, 4, and 5A)

Year 1 - Projected Leachate Production: 50 gallons/acre/day x 57.4 acres x 365 days/yr	1,047,550.00 gal/yr
Year 2 - Projected Leachate Production: 45 gallons/acre/day x 57.4 acres x 365 days/yr	942,795.00 gal/yr
Year 3 - Projected Leachate Production: 40 gallons/acre/day x 57.4 acres x 365 days/yr	838,040.00 gal/yr
Year 4 - Projected Leachate Production: 35 gallons/acre/day x 57.4 acres x 365 days/yr	733,285.00 gal/yr
Year 5 - Projected Leachate Production: 30 gallons/acre/day x 57.4 acres x 365 days/yr	628,530.00 gal/yr
Year 6 through 10 - Projected Leachate Production: 15 gallons/acre/day x 57.4 acres x 1825 days/ 5yr	1,571,325.00 gal/ 5 yr

Year 11 through 30 - Projected Leachate Production:				
	5 gallons/acre/day x	57.4 acres x	7300 days/ 20 yr	2,095,100.00 gal/ 20 yr
Leachate Transportation and Treatment (years 1-5)	4,190,200.00 gallons x	\$ 0.070 /gallon		\$ 293,314.00
Leachate Transportation and Treatment (years 6-10)	1,571,325.00 gallons x	\$ 0.070 /gallon		\$ 109,992.75
Leachate Transportation and Treatment (years 11-30)	2,095,100.00 gallons x	\$ 0.070 /gallon		\$ 146,657.00

6. Total Annual Costs for Post - Closure Care on Cell 1, 2, 3, 4, and 5A

Years 1 - 5:				
Environmental Monitoring				\$ 86,423.00
Engineering				\$ 3,450.00
Revisions to Post-Closure Costs				\$ 900.00
Maintenance				\$ 54,750.00
Leachate Transportation and Treatment (average)	\$ 293,314.00 / 5 years			\$ 58,662.80
			Total Annual:	\$ 204,185.80
Years 6 - 10:				
Environmental Monitoring				\$ 43,211.50
Engineering				\$ 1,725.00
Revisions to Post-Closure Costs				\$ 900.00
Maintenance (50% of maintenance for years 1-5)				\$ 27,375.00
Leachate Transportation and Treatment (average)	\$ 109,992.75 / 5 years			\$ 21,998.55
			Total Annual:	\$ 95,210.05
Years 11 - 30:				
Environmental Monitoring				\$ 21,605.75
Engineering				\$ 862.50
Revisions to Post-Closure Costs				\$ 900.00
Maintenance (75% of maintenance for years 6-10)				\$ 20,531.25
Leachate Transportation and Treatment (average)	\$ 146,657.00 / 20 years			\$ 7,332.85
			Total Annual:	\$ 51,232.35

Note:

1. Environmental Monitoring and engineering costs are projected to reduce to 50% of the initial 5 year costs for the first five years, reduce an additional 50% for years 6 - 30.

7. Post-30 Year Facility Abandonment

Flare Removal	\$5,000.00
Surface Impoundment	\$20,000.00
Total	\$25,000.00

8. Present Worth of Post Closure Costs:

Assume Interest (i) = 5.4 %
 Assume Inflation (a) = 2.7 %

Given annual contributions to determine present worth assuming 5.4% interest on money earned and 2.7% inflation rate.

(P/A, 2.7%, 5YR) X ANNUAL COST YEARS 1-5 + (P/A, 2.7%, 5YR) X ANNUAL COST YEARS 6 -10 X (P/F, 2.7%, 5YR) + (P/A, 2.7%, 20YR) X ANNUAL COST YEARS 11 - 30 X (P/F, 2.7%, 10YR) + (P/F, 2.7%, 30YR) X 30 Year Facility Abandonment

(P/A, 2.7%, 5YR) = 4.6198
 (P/A, 2.7%, 20YR) = 15.3197
 (P/F, 2.7%, 5YR) = 0.8928
 (P/F, 2.7%, 10YR) = 0.7670
 (P/F, 2.7%, 30YR) = 0.4780

Present Worth = \$ 1,949,937.75

ATTACHMENT 6 – Additional Permit Reporting Requirements

Additional permit requirements for the 4th Quarter of 2017, as specified in Special Conditions #94 and #95 of the Operation Permit:

Special Condition #94 – Quarterly Report

Condition: Amounts of waste [mixed municipal waste, water and wastewater sludges, nonhazardous industrial waste and sludges, ash(es), construction and demolition debris, asbestos, compost, yard waste and contaminated soil] received from each New York State county on a county by county basis, from the United States on a state by state basis and from outside the country on a nation by nation basis.

Hyland: See Attachment #3

Condition: Report on receipt of unauthorized wastes received during the quarter (see Solid Waste Management Permit Condition 42 of this permit).

Hyland: One event occurred in 2017 where waste was refused.

On 8/8/17, a load of sludge waste was brought to the scale house by Tier Env. (hauler) generated by RIDG-U-RAK. Upon review of the documentation, it was determined that the waste approval had expired and the load could not be accepted at the landfill. The load was rejected and returned to the generator. In November 2017, the waste approval was renewed and the waste stream is approved into Hyland LF.

See Attachment #7.

Condition: The amount of leachate collected and hauled off-site on a daily basis and the disposal location. The daily logs of leachate level in the leachate storage tank shall be provided as well.

Hyland: See Attachment #8.

Condition: The amounts of liquid collected from the secondary collection system on a daily basis.

Hyland: See Attachment #8

Condition: The monthly Action Leakage Rate for the secondary collection system of each cell or subcell of the landfill.

Hyland: See Attachment #8

Condition: The date when liquid is detected in any leak detection location, including the amount of liquid removed from each location. This includes all leak detection locations including but not limited to those identified on the most recent approved weekly leachate inspection log.

Hyland: See Attachment #9.

Condition: The amount of ADC received during the quarter (on a monthly basis) and the amount of ADC stockpiled on-site at the end of the quarter.

Hyland: See Attachment #10. There was approximately 150 cubic yards of ADC material (auto fluff) stockpiled at the end of the 4th QTR.

Condition: Results from the monitoring of the gas migration monitoring wells around the perimeter of the landfill.

Hyland: See Attachment #2 (there is a chart in the text)

Condition: The analytical results for any condensate samples collected during the quarter being reported.

Hyland: See Attachment #2.

Condition: The amount of condensate collected, the disposal location and the number of gas extraction wells/laterals in operation.

Hyland: Hyland collects condensate into the leachate collection system; the condensate is not metered (in compliance with NYSDEC approval design plans). All condensate is mixed with primary leachate and treated offsite at the Wellsville, Jamestown, Belmont, Bolivar, Steuben County or Westfield WWTP. There are currently 39 gas wells and 38 horizontals installed/operating.

Condition: The amount of groundwater removed from each groundwater suppression system on a weekly basis. After Cell 5 is constructed, a flow rate shall be determined once per week. Weekly measurements shall occur during the operational life of the landfill and not during post-closure.

Hyland: Hyland does not currently monitor the flow volume from the groundwater suppression system (in compliance with NYSDEC approved design plans). Cell 5 will be in operation in February/March 2018.

Condition: The amount of BUD material (drainage/road) received during the quarter (on a monthly basis) and the amount of BUD material (drainage/road) stockpiled on-site at the end of the quarter.

Hyland: See Attachment #11. There was no material stockpiled at the end of the 4th QTR.

Condition: Results from the perched leachate evaluation during every other quarter.

Hyland: The previous perched leachate evaluation was completed during the 4th quarter 2016 and submitted as part of the 2016 4th Quarter/Annual report. Per the April 20, 2017 letter from Peter Grasso, NYSDEC granted conditional discontinuance of the Perched Leachate Evaluation required in Permit Condition 64, provided that a report is submitted as an attachment to the Quarterly Report documenting the quantity of leachate pumped from each vertical gas well. During the 4th quarter 2017, no wells were pumped. The well pumping completed during the 1st quarter 2018 will be detailed as requested in the 1st Quarter 2018 Operational Report.

Special Condition #95 – Annual Report

Condition: Amounts of waste [mixed municipal waste, water and wastewater sludges, nonhazardous industrial waste and sludges, ash(es), construction and demolition debris, asbestos, compost, yard waste and contaminated soil] received from each New York State county, on a county by county basis, from the United States, on a state by state basis and from outside the country, on a nation by nation basis.

Hyland: See Attachment #3.

Condition: Copies of current and up-to-date contracts with a minimum of 2 wastewater treatment facilities for the disposal of leachate for the up-coming year. In addition, copies of current and up-to-date contracts with the back-up hauler for the upcoming year shall be provided.

Hyland: See Attachments #12 and #13.

Condition: Any changes to the Fill Progression Plan or modifications to the landfill.

Hyland: No changes.

Condition: An updated cost estimate for closure/post-closure activities to reflect inflation and/or any changes that may impact closure or post-closure.

Hyland: See Attachment #5

Condition: An updated topographic map (based on Fall conditions) of the site. Included with the topographic map shall be a discussion on the amount of waste received, the remaining volume/life of the site and a soil balance for the site. The soil balance shall include: the amount of soil required for cover, closure and other activities; the amount of soil remaining in the permitted borrow area; and the amount of soil that needs to be imported.

Hyland: See Attachment #14

Condition: Unusual events or accidents at the landfill and responses taken by landfill personnel.

Hyland: One event for 2017 is detailed below.

On 7/20/17, a load of C&D from Nu Waste LLC (Erie County) set off the radiation alarm. The source was identified Ra-226 and determined to be an isolated source within the load. Landfill personnel coordinated with the generator to bring in a radiation consultant to remove the isolated source from the load. The source was removed from the load on August 3, 2017 and identified as radium ore. The material was sealed in a container and later transported off-site by a licensed hauler and taken to a licensed facility to dispose of the material.

Condition: Any changes in water quality which have occurred throughout the report year and a summary of the water quality information.

Hyland: See Attachment #2

Condition: Any changes from the approved plans, reports and specifications or permit, along with a justification for the change.

Hyland: No Changes

Condition: Summary report for the active landfill gas collection system including the amount of gas burned and condensate collected.

Hyland: See Section 11

Condition: A detailed plan covering the next three years of operation and construction activities. The plan shall indicate which areas will be constructed, operated and/or closed. A schedule for all activities shall be included.

Hyland: Hyland plans to fill in Cells 1, 2, 3, & 4 (at the top and center of landfill) and begin placing waste in Cell 5A. Construction of the second phase of Cell 5 (Cell 5B) is scheduled for 2019. No construction is planned for 2020.

Condition: A summary of the breakout inspections completed throughout the year and the remedial efforts to repair them.

Hyland: Breakout inspections were completed at the beginning of each operating day. Inspection sheets for each breakout were completed and filed in the landfill office. Throughout the year, the number of breakouts decreased in occurrence. Compared to 2016, the number of breakouts was reduced by more than 20%. Upon identification of a breakout, an action plan was immediately put into place. Repairs were made to each breakout which included one or a combination of the following actions; adding additional clay, full excavation of the breakout area, re-compacting soils, and replacement of the vegetative barrier. See Attachment 15 for a table detailing the number and location of the breakouts and the daily breakout inspection forms.

Condition: Results of the leachate monitoring integrity check.

Hyland: On November 11, 2017, a Pro-Control System Integrity Evaluation was completed of the primary and secondary leachate management systems at Hyland Landfill. The Pro-Control System Integrity Evaluation was completed using forms developed by McMahon & Mann Consulting Engineers, P.C. of Buffalo, NY and previously submitted to the Department for review in November 2014. The system evaluation consisted of verification that both the visual alarm indicators and the alarm messages were properly functioning. As part of the evaluation each primary and secondary pump was activated to verify that the pump and corresponding flow meters were functional. In addition, alarm conditions were activated to verify that the alarm lights on the various control panels activated correctly, and that alarm messages were sent to facility personnel. The results of the system evaluation confirmed the integrity of the leachate management systems, successfully demonstrating proper operation of the pumping systems and alarm conditions. See Attachment 16 for the completed evaluation forms.

ATTACHMENT 7 – Unauthorized Waste Received

Hyland: One event occurred in 2017 where waste was refused.

On 8/8/17, a load of sludge waste was brought to the scale house by Tier Env. (hauler) generated by RIDG-U-RAK. Upon review of the documentation, it was determined that the waste approval had expired and the load could not be accepted at the landfill. The load was rejected and returned to the generator. In November 2017, the waste approval was renewed and the waste stream is approved into Hyland LF.

ATTACHMENT 8 – Primary/Secondary Leachate Collection Data

Bay 1 (North Impoundment)

Date	Reading from Impoundment (ft)	Time Measured	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
12/31/16	5.3	23:50	49,747	501,514	0
01/01/17	5.9	23:50	71,748	479,513	0
01/02/17	6.3	23:50	88,007	463,254	16,259
01/03/17	6.3	23:50	0	463,254	-88,007
01/04/17	6.3	23:50	88,007	463,254	88,007
01/05/17	6.3	23:50	88,007	463,254	0
01/06/17	6.2	23:50	83,836	467,425	-4,171
01/07/17	5.6	23:50	60,377	490,884	-23,460
01/08/17	6.2	23:50	83,836	467,425	23,460
01/09/17	6.6	23:50	100,939	450,322	17,102
01/10/17	6.3	23:50	88,007	463,254	-12,931
01/11/17	6.0	23:50	75,704	475,557	-12,304
01/12/17	5.9	20:50	71,748	479,513	-3,955
01/13/17	6.3	23:50	88,007	463,254	16,259
01/14/17	6.2	23:50	83,836	467,425	-4,171
01/15/17	6.7	23:50	105,388	445,873	21,552
01/16/17	7.2	23:50	128,694	422,567	23,305
01/17/17	7.2	23:50	128,694	422,567	0
01/18/17	7.2	23:50	128,694	422,567	0
01/19/17	7.0	23:50	119,156	432,105	-9,538
01/20/17	6.9	23:50	114,497	436,764	-4,659
01/21/17	6.6	23:50	100,939	450,322	-13,558
01/22/17	7.2	23:50	128,694	422,567	27,755
01/23/17	7.7	23:50	153,856	397,405	25,162
01/24/17	7.5	23:50	143,565	407,696	-10,290
01/25/17	7.4	23:50	138,533	412,728	-5,032
01/26/17	7.2	23:50	128,694	422,567	-9,839
01/27/17	7.2	23:50	128,694	422,567	0
01/28/17	6.9	23:50	114,497	436,764	-14,197
01/29/17	7.4	23:50	138,533	412,728	24,036
01/30/17	7.9	23:50	164,447	386,814	25,914
01/31/17	7.7	23:50	153,856	397,405	-10,591

Bay 2 (South Impoundment)

Date	Reading from Impoundment (ft)	Time Measured	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
12/31/16	4.3	23:50	19,125	537,889	1,490
01/01/17	4.3	23:50	0	537,889	-19,125
01/02/17	4.3	23:50	19,125	537,889	19,125
01/03/17	4.4	23:50	0	534,923	-19,125
01/04/17	4.5	23:50	25,117	531,897	25,117
01/05/17	4.5	23:50	25,117	531,897	0
01/06/17	4.6	23:50	28,203	528,811	3,086
01/07/17	4.6	23:50	28,203	528,811	0
01/08/17	4.6	23:50	28,203	528,811	0
01/09/17	4.6	23:50	28,203	528,811	0
01/10/17	4.7	23:50	31,348	525,666	3,146
01/11/17	4.7	23:50	31,348	525,666	0
01/12/17	4.8	23:50	34,554	522,460	3,205
01/13/17	5.2	23:50	47,988	509,025	13,435
01/14/17	5.2	23:50	47,988	509,025	0
01/15/17	5.2	23:50	47,988	509,025	0
01/16/17	5.2	23:50	47,988	509,025	0
01/17/17	5.2	23:50	47,988	509,025	0
01/18/17	5.3	23:50	51,511	505,503	3,523
01/19/17	5.4	23:50	55,101	501,913	3,590
01/20/17	5.4	23:50	55,101	501,913	0
01/21/17	5.4	23:50	55,101	501,913	0
01/22/17	5.5	23:50	58,757	498,257	3,657
01/23/17	5.5	23:50	58,757	498,257	0
01/24/17	5.6	23:50	62,481	494,533	3,724
01/25/17	5.6	23:50	62,481	494,533	0
01/26/17	5.6	23:50	62,481	494,533	0
01/27/17	5.7	23:50	66,271	490,743	3,791
01/28/17	5.7	23:50	66,271	490,743	0
01/29/17	5.7	23:50	66,271	490,743	0
01/30/17	5.7	23:50	66,271	490,743	0
01/31/17	5.7	23:50	66,271	490,743	0

Total Leachate

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
1,490	0	1,490
-19,125	0	-19,125
35,384	31,346	66,730
-107,132	51,133	-55,999
113,124	58,158	171,282
0	36,737	36,737
-1,085	73,248	72,163
-23,460	0	-23,460
23,460	0	23,460
17,102	60,683	77,785
-9,786	51,527	41,741
-12,304	45,691	33,387
-750	38,790	38,040
29,694	45,508	75,202
-4,171	0	-4,171
21,552	0	21,552
23,305	42,977	66,282
0	45,754	45,754
3,523	60,011	63,534
-5,948	49,089	43,141
-4,659	67,262	62,603
-13,558	0	-13,558
31,412	0	31,412
25,162	59,863	85,025
-6,567	52,792	46,225
-5,032	60,089	55,057
-9,839	38,718	28,879
3,791	67,279	71,070
-14,197	0	-14,197
24,036	0	24,036
25,914	51,155	77,069
-10,591	52,395	41,804

Total Leachate Collected 1,269,459
 Secondary Leachate Collected 4,964
 Total Primary Collected 1,264,495
 Total disposed 1,140,205

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
12/31/16	626461	0	89254	0	313506	0	185618	0	7990036	545	322853	0	8571493	0	4221036	0
01/01/17	626461	0	89254	0	313506	0	185618	0	7990036	0	322853	0	8571493	0	4221036	0
01/02/17	626461	0	89254	0	313506	0	185618	0	7990036	0	322853	0	8571493	0	4221036	0
01/03/17	626461	0	89254	0	313506	0	185618	0	7990036	0	322853	0	8571493	0	4221036	0
01/04/17	626461	0	89254	0	313506	0	185618	0	7990036	0	322853	0	8571493	0	4221036	0
01/05/17	626461	0	89254	0	313506	0	185618	0	7990036	0	322853	0	8571493	0	4221036	0
01/06/17	626521	60	89254	0	313506	0	185722	104	7990563	527	322853	0	8571493	0	4221036	0
01/07/17	626521	0	89254	0	313506	0	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/08/17	626521	0	89254	0	313506	0	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/09/17	626521	0	89254	0	313506	0	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/10/17	626521	0	89254	0	313506	0	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/11/17	626521	0	89272	18	314150	644	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/12/17	626521	0	89272	0	314150	0	185722	0	7990563	0	322853	0	8571493	0	4221036	0
01/13/17	626521	0	89272	0	314150	0	185722	0	7990563	0	323602	749	8571493	0	4221036	0
01/14/17	626521	0	89272	0	314150	0	185815	93	7991069	506	323602	0	8571493	0	4221036	0
01/15/17	626521	0	89272	0	314150	0	185815	0	7991069	0	323602	0	8571493	0	4221036	0
01/16/17	626580	59	89272	0	314150	0	185815	0	7991069	0	323602	0	8571493	0	4221036	0
01/17/17	626580	0	89272	0	314150	0	185815	0	7991069	0	323602	0	8571493	0	4221036	0
01/18/17	626580	0	89272	0	314150	0	185815	0	7991069	0	323958	356	8571493	0	4221036	0
01/19/17	626580	0	89272	0	314150	0	185815	0	7991069	0	323958	0	8571493	0	4221036	0
01/20/17	626580	0	89335	63	314190	40	185815	0	7991069	0	323958	0	8571493	0	4221036	0
01/21/17	626580	0	89335	0	314190	0	185815	0	7991069	0	323958	0	8571493	0	4221036	0
01/22/17	626580	0	89335	0	314190	0	185903	88	7991069	0	323958	0	8571493	0	4221036	0
01/23/17	626580	0	89335	0	314190	0	185903	0	7991610	541	323958	0	8571493	0	4221036	0
01/24/17	626640	60	89335	0	314190	0	185903	0	7991610	0	323958	0	8571493	0	4221036	0
01/25/17	626640	0	89335	0	314190	0	185903	0	7991610	0	323958	0	8571493	0	4221036	0
01/26/17	626640	0	89335	0	314190	0	185903	0	7991610	0	323958	0	8571493	0	4221036	0
01/27/17	626640	0	89335	0	314190	0	185993	90	7991610	0	324338	380	8571493	0	4221036	0
01/28/17	626640	0	89335	0	314190	0	185993	0	7991610	0	324338	0	8571493	0	4221036	0
01/29/17	626701	61	89335	0	314190	0	185993	0	7992135	525	324338	0	8571493	0	4221036	0
01/30/17	626701	0	89335	0	314190	0	185993	0	7992135	0	324338	0	8571493	0	4221036	0
01/31/17	626701	0	89335	0	314190	0	185993	0	7992135	0	324338	0	8571493	0	4221036	0
	A/B ALR:	0.8	C/D ALR:	0.3	E/F ALR:	3.2	G/H ALR:	2.8	Cell 3 ALR	7.0	Cell 4A ALR	5.0	N IMP Sec	0.00	S IMP Sec	0.00
	Total A/B:	240.0	Total C/D:	81.0	Total E/F:	684.0	Total G/H:	375.0	Total Cell 3:	2099.0	Total Cell 4A:	1485.0	Total North:	0	Total South:	0

Secondary Total: 4964

Bay 1 (North Impoundment)

Date	Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
01/31/17	7.7	153,856	397,405	-10,591
02/01/17	7.6	148,673	402,588	0
02/02/17	7.3	133,576	417,685	-15,097
02/03/17	7.1	123,887	427,374	-9,688
02/04/17	6.8	109,908	441,353	-13,979
02/05/17	7.2	128,694	422,567	18,786
02/06/17	7.6	148,673	402,588	19,979
02/07/17	7.4	138,533	412,728	-10,140
02/08/17	7.5	143,565	407,696	5,032
02/09/17	7.5	143,565	407,696	0
02/10/17	7.4	138,533	412,728	-5,032
02/11/17	7.1	123,887	427,374	-14,646
02/12/17	7.6	148,673	402,588	24,786
02/13/17	8.2	180,909	370,352	32,236
02/14/17	8.1	175,342	375,919	-5,567
02/15/17	8.0	169,856	381,405	-5,486
02/16/17	8.0	169,856	381,405	0
02/17/17	7.9	164,447	386,814	-5,409
02/18/17	7.5	143,565	407,696	-20,882
02/19/17	8.0	169,856	381,405	26,291
02/20/17	8.5	198,091	353,170	28,235
02/21/17	8.4	192,283	358,978	-5,808
02/22/17	8.3	186,556	364,705	-5,727
02/23/17	8.0	169,856	381,405	-16,700
02/24/17	7.9	164,447	386,814	-5,409
02/25/17	7.6	148,673	402,588	-15,774
02/26/17	8.1	175,342	375,919	26,669
02/27/17	8.5	198,091	353,170	22,749
02/28/17	8.3	186,556	364,705	-11,535

Bay 2 (South Impoundment)

Date	Reading from Impoundment (ft)	Time Measured	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
01/31/17	5.7	23:50	66,271	490,743	0
02/01/17	5.8	23:50	70,129	486,885	-3,857
02/02/17	5.8	23:50	70,129	486,885	0
02/03/17	5.8	23:50	70,129	486,885	0
02/04/17	5.8	23:50	70,129	486,885	0
02/05/17	5.8	23:50	70,129	486,885	0
02/06/17	5.8	23:50	70,129	486,885	0
02/07/17	5.8	23:50	70,129	486,885	0
02/08/17	6.0	23:50	78,045	478,969	-7,916
02/09/17	6.1	23:50	82,105	474,909	-4,061
02/10/17	6.1	23:50	82,105	474,909	0
02/11/17	6.1	23:50	82,105	474,909	0
02/12/17	6.1	23:50	82,105	474,909	0
02/13/17	6.3	23:50	90,440	466,574	-8,335
02/14/17	6.3	23:50	90,440	466,574	0
02/15/17	6.3	23:50	90,440	466,574	0
02/16/17	6.3	23:50	90,440	466,574	0
02/17/17	6.3	23:50	90,440	466,574	0
02/18/17	6.4	23:50	94,714	462,300	-4,274
02/19/17	6.4	23:50	94,714	462,300	0
02/20/17	6.4	23:50	94,714	462,300	0
02/21/17	6.4	23:50	94,714	462,300	0
02/22/17	6.4	23:50	94,714	462,300	0
02/23/17	6.4	23:50	94,714	462,300	0
02/24/17	6.4	23:50	94,714	462,300	0
02/25/17	6.5	23:50	99,059	457,955	-4,345
02/26/17	6.5	23:50	99,059	457,955	0
02/27/17	6.5	23:50	99,059	457,955	0
02/28/17	6.5	23:50	99,059	457,955	0

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-10,591	52,395	41,804
-3,857	58,469	54,612
-15,097	42,953	27,856
-9,688	57,030	47,342
-13,979	0	-13,979
18,786	0	18,786
19,979	49,997	69,976
-10,140	43,023	32,883
-2,884	43,186	40,302
-4,061	44,607	40,546
-5,032	57,063	52,031
-14,646	0	-14,646
24,786	0	24,786
23,902	47,110	71,012
-5,567	46,211	40,644
-5,486	40,588	35,102
0	45,936	45,936
-5,409	69,574	64,165
-25,156	0	-25,156
26,291	0	26,291
28,235	42,878	71,113
-5,808	44,473	38,665
-5,727	58,657	52,930
-16,700	45,233	28,533
-5,409	57,667	52,258
-20,120	0	-20,120
26,669	0	26,669
22,749	50,678	73,427
-11,535	51,186	39,651

Total Leachate Collected 1,001,615
 Secondary Leachate Collected 5,444
 Total Primary Collected 996,171
 Total Disposed 996,519

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals		
01/31/17	626701	0	89335	0	314190	0	185993	0	7992135	0	324338	0	8571493	0	4221036	0		
02/01/17	626701	0	89335	0	314190	0	186080	87	7992135	0	324338	0	8571493	0	4221036	0		
02/02/17	626701	0	89335	0	314190	0	186080	0	7992135	0	324338	0	8571493	0	4221036	0		
02/03/17	626701	0	89335	0	314190	0	186080	0	7992135	0	324338	0	8571493	0	4221036	0		
02/04/17	626761	60	89335	0	314190	0	186080	0	7992135	0	324338	0	8571493	0	4221036	0		
02/05/17	626761	0	89335	0	314190	0	186080	0	7992135	0	324338	0	8571493	0	4221036	0		
02/06/17	626761	0	89335	0	314190	0	186080	0	7992135	0	324338	0	8571493	0	4221036	0		
02/07/17	626777	16	89365	30	314214	24	186098	18	7992135	0	324338	0	8571493	0	4221036	0		
02/08/17	626777	0	89365	0	314214	0	186098	0	7992135	0	324338	0	8571493	0	4221036	0		
02/09/17	626777	0	89365	0	314214	0	186189	91	7992682	547	324758	420	8571493	0	4221036	0		
02/10/17	626777	0	89365	0	314214	0	186189	0	7992682	0	324758	0	8571493	0	4221036	0		
02/11/17	626777	0	89365	0	314214	0	186189	0	7992682	0	324758	0	8571493	0	4221036	0		
02/12/17	626777	0	89365	0	314214	0	186189	0	7992682	0	324758	0	8571493	0	4221036	0		
02/13/17	626838	61	89365	0	314214	0	186281	92	7992682	0	324758	0	8571493	0	4221036	0		
02/14/17	626838	0	89365	0	314214	0	186281	0	7993250	568	324758	0	8571493	0	4221036	0		
02/15/17	626838	0	89365	0	314214	0	186281	0	7993250	0	324758	0	8571493	0	4221036	0		
02/16/17	626838	0	89365	0	314214	0	186281	0	7993250	0	324758	0	8571493	0	4221036	0		
02/17/17	626838	0	89365	0	314214	0	186281	0	7993250	0	324758	0	8571493	0	4221036	0		
02/18/17	626838	0	89365	0	314214	0	186281	0	7993250	0	324758	0	8571493	0	4221036	0		
02/19/17	626838	0	89365	0	314214	0	186281	0	7993250	0	325140	382	8571493	0	4221036	0		
02/20/17	626838	0	89365	0	314214	0	186373	92	7993814	564	325140	0	8571493	0	4221036	0		
02/21/17	626898	60	89365	0	314214	0	186373	0	7993814	0	325140	0	8571493	0	4221036	0		
02/22/17	626898	0	89365	0	314214	0	186373	0	7993814	0	325140	0	8571493	0	4221036	0		
02/23/17	626898	0	89365	0	314883	669	186373	0	7993816	2	325246	106	8571520	27	4221036	0		
02/24/17	626898	0	89365	0	314883	0	186373	0	7993816	0	325246	0	8571520	0	4221039	3		
02/25/17	626898	0	89365	0	314883	0	186373	0	7994386	570	325246	0	8571520	0	4221039	0		
02/26/17	626898	0	89365	0	314883	0	186463	90	7994386	0	325246	0	8571520	0	4221039	0		
02/27/17	626898	0	89365	0	314883	0	186463	0	7994386	0	325246	0	8571520	0	4221039	0		
02/28/17	626958	60	89426	61	314883	0	186463	0	7995130	744	325246	0	8571520	0	4221039	0		
A/B ALR:	0.9		C/D ALR:	0.4		E/F ALR:	3.2		G/H ALR:	3.5	Cell 3 ALR	10.0	Cell 4A ALR	3.1	N IMP Sec	0.96	S IMP Sec	0.11
Total A/B:	257.0		Total C/D:	91		Total E/F:	693		Total G/H:	470	Total Cell 3:	2995	Total Cell 4A:	908	Total North:	27	Total South:	3

Secondary Total: 5444

Hyland Facility Associates

Daily Leachate Tracking March 2017

Bay 1 (North Impoundment)

Date	Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
02/28/17	8.3	186,556	364,705	-11,535
03/01/17	8.0	169,856	381,405	-16,700
03/02/17	7.8	159,114	392,147	-10,742
03/03/17	7.7	153,856	397,405	-5,258
03/04/17	7.2	128,694	422,567	-25,162
03/05/17	7.6	148,673	402,588	19,979
03/06/17	7.9	164,447	386,814	15,774
03/07/17	7.7	153,856	397,405	-10,591
03/08/17	7.5	143,565	407,696	-10,290
03/09/17	7.4	138,533	412,728	-5,032
03/10/17	7.2	128,694	422,567	-9,839
03/11/17	6.5	96,558	454,703	-32,135
03/12/17	6.9	114,497	436,764	17,939
03/13/17	7.1	123,887	427,374	9,390
03/14/17	6.9	114,497	436,764	-9,390
03/15/17	7.2	128,694	422,567	14,197
03/16/17	7.4	138,533	412,728	9,839
03/17/17	7.0	119,156	432,105	-19,377
03/18/17	6.7	105,388	445,873	-13,768
03/19/17	7.0	119,156	432,105	13,768
03/20/17	3.8	11,912	539,349	-107,244
03/21/17	3.5	7,917	543,344	-3,995
03/22/17	6.5	96,558	454,703	88,642
03/23/17	2.7	2,507	548,754	-94,052
03/24/17	2.3	1,770	549,491	-736
03/25/17	5.2	46,369	504,892	44,599
03/26/17	5.7	64,085	487,176	17,715
03/27/17	2.5	2,119	549,142	-61,966
03/28/17	2.1	1,462	549,799	-657
03/29/17	4.8	33,633	517,628	32,171
03/30/17	4.8	33,633	517,628	0
03/31/17	5.0	39,861	511,400	6,228

Bay 2 (South Impoundment)

Date	Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
02/28/17	6.5	99,059	457,955	0
03/01/17	6.5	99,059	457,955	0
03/02/17	6.5	99,059	457,955	0
03/03/17	6.5	99,059	457,955	0
03/04/17	6.5	99,059	457,955	0
03/05/17	6.5	99,059	457,955	0
03/06/17	6.5	99,059	457,955	0
03/07/17	6.6	103,475	453,539	4,416
03/08/17	6.7	107,963	449,051	4,488
03/09/17	6.7	107,963	449,051	0
03/10/17	6.7	107,963	449,051	0
03/11/17	6.7	107,963	449,051	0
03/12/17	6.7	107,963	449,051	0
03/13/17	6.7	107,963	449,051	0
03/14/17	6.8	112,521	444,492	4,559
03/15/17	6.8	112,521	444,492	0
03/16/17	6.8	112,521	444,492	0
03/17/17	6.8	112,521	444,492	0
03/18/17	6.8	112,521	444,492	0
03/19/17	6.9	117,151	439,863	4,630
03/20/17	6.9	117,151	439,863	0
03/21/17	6.9	117,151	439,863	0
03/22/17	6.9	117,151	439,863	0
03/23/17	7.0	121,852	435,162	4,701
03/24/17	7.0	121,852	435,162	0
03/25/17	7.0	121,852	435,162	0
03/26/17	7.0	121,852	435,162	0
03/27/17	7.1	126,627	430,387	4,774
03/28/17	7.1	126,627	430,387	0
03/29/17	7.2	131,477	425,537	4,850
03/30/17	7.2	131,477	425,537	0
03/31/17	7.0	121,852	435,162	-9,625

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-11,535	51,186	39,651
-16,700	51,149	34,449
-10,742	41,853	31,111
-5,258	63,084	57,826
-25,162	0	-25,162
19,979	0	19,979
15,774	50,006	65,780
-6,175	49,088	42,913
-5,803	42,536	36,733
-5,032	41,670	36,638
-9,839	80,597	70,758
-32,135	0	-32,135
17,939	0	17,939
9,390	51,633	61,023
-4,832	7,121	2,289
14,197	0	14,197
9,839	51,467	61,306
-19,377	64,655	45,278
-13,768	0	-13,768
18,397	0	18,397
-107,244	50,523	-56,721
-3,995	51,718	47,723
88,642	58,828	147,470
-89,351	51,579	-37,772
-736	72,171	71,435
44,599	0	44,599
17,715	0	17,715
-57,191	58,985	1,794
-657	44,604	43,947
37,022	51,814	88,836
0	28,513	28,513
-3,397	57,126	53,729

Total Leachate Collected **996,818**
 Secondary Leachate Collected 7,229
 Total Primary Collected 989,589
 Total Disposed 1,120,720

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
02/28/17	626958	60	89426	61	314883	0	186463	0	7995130	744	325246	0	8571520	0	4221039	0
03/01/17	626958	0	89426	0	314883	0	186463	0	7995240	110	325246	0	8571520	0	4221039	0
03/02/17	626958	0	89426	0	314883	0	186463	0	7995240	0	325246	0	8571520	0	4221039	0
03/03/17	626958	0	89426	0	314883	0	186463	0	7995240	0	325250	4	8571520	0	4221039	0
03/04/17	626958	0	89426	0	314883	0	186554	91	7995240	0	325250	0	8571520	0	4221039	0
03/05/17	626958	0	89426	0	314883	0	186554	0	7995555	315	325250	0	8571520	0	4221039	0
03/06/17	626958	0	89426	0	314883	0	186554	0	7995555	0	325250	0	8571520	0	4221039	0
03/07/17	627018	60	89426	0	314883	0	186554	0	7995884	329	325250	0	8571520	0	4221039	0
03/08/17	627018	0	89426	0	314883	0	186554	0	7995884	0	325250	0	8571520	0	4221039	0
03/09/17	627018	0	89426	0	314883	0	186554	0	7996215	331	325250	0	8571520	0	4221039	0
03/10/17	627018	0	89426	0	314883	0	186554	0	7996231	16	325250	0	8571520	0	4221039	0
03/11/17	627018	0	89426	0	314883	0	186554	0	7996687	456	325250	0	8571520	0	4221039	0
03/12/17	627018	0	89426	0	314883	0	186644	90	7996687	0	325250	0	8571520	0	4221039	0
03/13/17	627018	0	89426	0	314883	0	186644	0	7997013	326	325250	0	8571520	0	4221039	0
03/14/17	627018	0	89426	0	314883	0	186644	0	7997013	0	325250	0	8571520	0	4221039	0
03/15/17	627077	59	89426	0	314883	0	186644	0	7997332	319	325250	0	8571520	0	4221039	0
03/16/17	627077	0	89426	0	314883	0	186644	0	7997332	0	325250	0	8571520	0	4221039	0
03/17/17	627077	0	89426	0	314883	0	186644	0	7997649	317	325250	0	8571520	0	4221039	0
03/18/17	627077	0	89426	0	314883	0	186644	0	7997649	0	325250	0	8571520	0	4221039	0
03/19/17	627077	0	89426	0	314883	0	186644	0	7997950	301	325250	0	8571520	0	4221039	0
03/20/17	627077	0	89426	0	314883	0	186735	91	7998262	312	325250	0	8571520	0	4221039	0
03/21/17	627077	0	89426	0	314883	0	186735	0	7998262	0	325626	376	8571520	0	4221039	0
03/22/17	627077	0	89426	0	314883	0	186735	0	7998563	301	325626	0	8571520	0	4221039	0
03/23/17	627137	60	89426	0	314883	0	186735	0	7998879	316	325626	0	8571520	0	4221039	0
03/24/17	627137	0	89426	0	314906	23	186735	0	7998879	0	325626	0	8571520	0	4221039	0
03/25/17	627137	0	89426	0	314906	0	186735	0	7999179	300	325626	0	8571520	0	4221039	0
03/26/17	627137	0	89426	0	314906	0	186827	92	7999482	303	325626	0	8571520	0	4221039	0
03/27/17	627137	0	89483	57	314906	0	186827	0	7999482	0	325626	0	8571520	0	4221039	0
03/28/17	627137	0	89483	0	314906	0	186827	0	7999767	285	325626	0	8571520	0	4221039	0
03/29/17	627137	0	89483	0	314906	0	186827	0	800062	295	325626	0	8571520	0	4221053	14
03/30/17	627137	0	89483	0	314906	0	186827	0	8000351	289	325626	0	8571520	0	4221053	0
03/31/17	627197	60	89483	0	315563	657	186827	0	8000625	274	325626	0	8571520	0	4221053	0
	A/B ALR:	0.8	C/D ALR:	0.2	E/F ALR:	3.1	G/H ALR:	2.9	Cell 3 ALR	15.9	Cell 4A ALR	1.3	N IMP Sec	0.00	S IMP Sec	0.45
	Total A/B:	239	Total C/D:	57	Total E/F:	680	Total G/H:	364	Total Cell 3:	5495	Total Cell 4A:	380	Total North:	0	Total South:	14

Secondary Total: 7229

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
03/31/17	627197	60	89483	0	315563	657	186827	0	8000625	274	325626	0	8571520	0	4221053	0
04/01/17	627197	0	89483	0	315563	0	186916	89	8000915	290	326398	772	8571520	0	4221053	0
04/02/17	627197	0	89483	0	315563	0	186916	0	8001221	306	326398	0	8571520	0	4221053	0
04/03/17	627197	0	89483	0	315563	0	186916	0	8001512	291	326398	0	8571520	0	4221053	0
04/04/17	627197	0	89483	0	315563	0	186916	0	8001775	263	326398	0	8571520	0	4221053	0
04/05/17	627197	0	89483	0	315563	0	187009	93	8002026	251	326398	0	8571520	0	4221053	0
04/06/17	627197	0	89483	0	315563	0	187009	0	8002857	831	327064	666	8571520	0	4221053	0
04/07/17	627197	0	89483	0	315563	0	187009	0	8003116	259	327453	389	8571520	0	4221053	0
04/08/17	627257	60	89483	0	315563	0	187009	0	8003642	526	327453	0	8571520	0	4221053	0
04/09/17	627257	0	89483	0	315563	0	187009	0	8004134	492	327453	0	8571520	0	4221053	0
04/10/17	627257	0	89483	0	315563	0	187009	0	8004385	251	327453	0	8571520	0	4221053	0
04/11/17	627257	0	89483	0	315563	0	187009	0	8004913	528	327453	0	8571520	0	4221053	0
04/12/17	627257	0	89483	0	315563	0	187009	0	8005103	190	327453	0	8571520	0	4221053	0
04/13/17	627257	0	89483	0	315563	0	187099	90	8005548	445	327453	0	8571520	0	4221053	0
04/14/17	627318	61	89483	0	315563	0	187099	0	8005766	218	327829	376	8571520	0	4221053	0
04/15/17	627318	0	89483	0	315563	0	187099	0	8006202	436	327829	0	8571520	0	4221053	0
04/16/17	627318	0	89483	0	315563	0	187099	0	8006654	452	327829	0	8571520	0	4221053	0
04/17/17	627318	0	89483	0	315563	0	187099	0	8007056	402	327829	0	8571520	0	4221053	0
04/18/17	627318	0	89483	0	315563	0	187192	93	8007261	205	327829	0	8571520	0	4221053	0
04/19/17	627318	0	89483	0	315563	0	187192	0	8007648	387	327829	0	8571520	0	4221053	0
04/20/17	627318	0	89483	0	315563	0	187192	0	8008033	385	327829	0	8571520	0	4221053	0
04/21/17	627318	0	89535	52	315601	38	187192	0	8008554	521	328213	384	8571520	0	4221053	0
04/22/17	627378	60	89535	0	315601	0	187192	0	8009074	520	328213	0	8571520	0	4221053	0
04/23/17	627378	0	89535	0	315601	0	187192	0	8009457	383	328213	0	8571520	0	4221053	0
04/24/17	627378	0	89535	0	315601	0	187192	0	8009615	158	328213	0	8571520	0	4221053	0
04/25/17	627378	0	89535	0	315601	0	187192	0	8009936	321	328213	0	8571520	0	4221053	0
04/26/17	627378	0	89535	0	315601	0	187284	92	8010093	157	328213	0	8571520	0	4221053	0
04/27/17	627378	0	89535	0	315601	0	187284	0	8010263	170	328213	0	8571520	0	4221053	0
04/28/17	627378	0	89535	0	315601	0	187284	0	8010425	162	328213	0	8571520	0	4221053	0
04/29/17	627378	0	89535	0	315601	0	187284	0	8010425	0	328213	0	8571520	0	4221053	0
04/30/17	627378	0	89535	0	315601	0	187284	0	8010567	142	328213	0	8571520	0	4221053	0

A/B ALR:	0.6	C/D ALR:	0.2	E/F ALR:	0.2	G/H ALR:	3.8	Cell 3 ALR:	29.7	Cell 4A ALR:	9.1	N IMP Sec	0.00	S IMP Sec	0.00
Total A/B:	181	Total C/D:	52	Total E/F:	38	Total G/H:	457	Total Cell 3:	9942	Total Cell 4A:	2587	Total North:	0	Total South:	0

Secondary Total: 13257

Hyland Facility Associates Daily Leachate Tracking May 2017
Bay 1 (North Impoundment)

Date	Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
04/30/17	9.3	247,470	303,791	25,345
05/01/17	9.6	267,380	283,881	19,910
05/02/17	9.7	274,188	277,073	6,809
05/03/17	9.6	267,380	283,881	-6,809
05/04/17	9.4	254,021	297,240	-13,359
05/05/17	9.2	241,006	310,255	-13,015
05/06/17	8.9	222,125	329,136	-18,880
05/07/17	9.4	254,021	297,240	31,896
05/08/17	9.8	281,083	270,178	27,062
05/09/17	9.5	260,657	290,604	-20,426
05/10/17	9.3	247,470	303,791	-13,187
05/11/17	9.0	228,335	322,926	-19,136
05/12/17	8.6	203,979	347,282	-24,356
05/13/17	8.4	192,283	358,978	-11,696
05/14/17	8.8	215,996	335,265	23,713
05/15/17	9.2	241,006	310,255	25,010
05/16/17	8.8	215,996	335,265	-25,010
05/17/17	8.7	209,948	341,314	-6,049
05/18/17	8.5	198,091	353,170	-11,856
05/19/17	8.3	186,556	364,705	-11,535
05/20/17	7.8	159,114	392,147	-27,442
05/21/17	8.1	175,342	375,919	16,228
05/22/17	8.3	186,556	364,705	11,214
05/23/17	8.1	175,342	375,919	-11,214
05/24/17	7.9	164,447	386,814	-10,895
05/25/17	7.5	143,565	407,696	-20,882
05/26/17	7.2	128,694	422,567	-14,871
05/27/17	6.8	109,908	441,353	-18,786
05/28/17	7.2	128,694	422,567	18,786
05/29/17	7.6	148,673	402,588	19,979
05/30/17	7.9	164,447	386,814	15,774
05/31/17	7.5	143,565	407,696	-20,882

Bay 2 (South Impoundment)

Date	Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
04/30/17	5.6	62,481	494,533	0
05/01/17	5.6	62,481	494,533	0
05/02/17	5.7	66,271	490,743	3,791
05/03/17	5.7	66,271	490,743	0
05/04/17	5.7	66,271	490,743	0
05/05/17	5.8	70,129	486,885	3,857
05/06/17	5.9	74,053	482,961	3,924
05/07/17	5.9	74,053	482,961	0
05/08/17	6.0	78,045	478,969	3,991
05/09/17	6.2	86,237	470,777	8,192
05/10/17	6.0	78,045	478,969	-8,192
05/11/17	6.2	86,237	470,777	8,192
05/12/17	6.0	78,045	478,969	-8,192
05/13/17	6.0	78,045	478,969	0
05/14/17	6.0	78,045	478,969	0
05/15/17	6.2	86,237	470,777	8,192
05/16/17	6.0	78,045	478,969	-8,192
05/17/17	6.2	86,237	470,777	8,192
05/18/17	6.2	86,237	470,777	0
05/19/17	6.0	78,045	478,969	-8,192
05/20/17	6.2	86,237	470,777	8,192
05/21/17	6.2	86,237	470,777	0
05/22/17	6.2	86,237	470,777	0
05/23/17	6.2	86,237	470,777	0
05/24/17	6.3	90,440	466,574	4,203
05/25/17	6.0	78,045	478,969	-12,395
05/26/17	6.1	82,105	474,909	4,061
05/27/17	6.1	82,105	474,909	0
05/28/17	6.1	82,105	474,909	0
05/29/17	6.1	82,105	474,909	0
05/30/17	6.1	82,105	474,909	0
05/31/17	6.2	86,237	470,777	4,132

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
25,345	0	25,345
19,910	43,864	63,774
10,599	45,581	56,180
-6,809	61,301	54,492
-13,359	54,038	40,679
-9,158	82,728	73,570
-14,956	0	-14,956
31,896	0	31,896
31,054	68,591	99,645
-12,233	61,616	49,383
-21,379	68,840	47,461
-10,943	75,736	64,793
-32,548	56,855	24,307
-11,696	0	-11,696
23,713	0	23,713
33,202	57,277	90,479
-33,202	56,917	23,715
2,143	50,323	52,466
-11,856	57,191	45,335
-19,727	78,804	59,077
-19,250	0	-19,250
16,228	0	16,228
11,214	64,255	75,469
-11,214	50,263	39,049
-6,692	64,544	57,852
-33,277	64,505	31,228
-10,811	64,395	53,584
-18,786	0	-18,786
18,786	0	18,786
19,979	0	19,979
15,774	62,828	78,602
-16,750	70,197	53,447

Total Leachate Collected **1,280,500**
 Secondary Leachate Collected 3,832
 Total Primary Collected 1,276,668

1,360,649 gal hauled

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
04/30/17	627378	0	89535	0	315601	0	187284	0	8010567	142	328213	0	8571520	0	4221053	0
05/01/17	627439	61	89535	0	315601	0	187284	0	8010567	0	328213	0	8571520	0	4221053	0
05/02/17	627439	0	89535	0	316215	614	187284	0	8010567	0	328213	0	8571520	0	4221053	0
05/03/17	627439	0	89535	0	316215	0	187284	0	8010567	0	328213	0	8571520	0	4221053	0
05/04/17	627439	0	89535	0	316215	0	187377	93	8010722	155	328213	0	8571520	0	4221053	0
05/05/17	627439	0	89535	0	316215	0	187377	0	8010722	0	328213	0	8571520	0	4221053	0
05/06/17	627439	0	89535	0	316215	0	187377	0	8010722	0	328213	0	8571520	0	4221053	0
05/07/17	627439	0	89535	0	316215	0	187377	0	8010863	141	328606	393	8571520	0	4221053	0
05/08/17	627439	0	89535	0	316215	0	187377	0	8011012	149	328606	0	8571520	0	4221053	0
05/09/17	627499	60	89535	0	316215	0	187377	0	8011012	0	328606	0	8571520	0	4221053	0
05/10/17	627499	0	89535	0	316215	0	187377	0	8011185	173	328606	0	8571520	0	4221053	0
05/11/17	627499	0	89535	0	316215	0	187377	0	8011185	0	328606	0	8571520	0	4221053	0
05/12/17	627499	0	89535	0	316215	0	187377	0	8011185	0	328606	0	8571520	0	4221053	0
05/13/17	627499	0	89591	56	316215	0	187467	90	8011357	172	328606	0	8571520	0	4221053	0
05/14/17	627499	0	89591	0	316215	0	187467	0	8011357	0	328606	0	8571520	0	4221053	0
05/15/17	627499	0	89591	0	316215	0	187467	0	8011357	0	328606	0	8571520	0	4221053	0
05/16/17	627499	0	89591	0	316215	0	187467	0	8011357	0	328606	0	8571520	0	4221053	0
05/17/17	627499	0	89591	0	316215	0	187467	0	8011460	103	328606	0	8571521	1	4221053	0
05/18/17	627499	0	89591	0	316215	0	187467	0	8011503	43	328606	0	8571521	0	4221053	0
05/19/17	627499	0	89591	0	316215	0	187467	0	8011503	0	328606	0	8571521	0	4221053	0
05/20/17	627499	0	89591	0	316215	0	187467	0	8011503	0	328606	0	8571521	0	4221053	0
05/21/17	627559	60	89591	0	316215	0	187560	93	8011503	0	328606	0	8571521	0	4221053	0
05/22/17	627559	0	89591	0	316215	0	187560	0	8011653	150	328606	0	8571521	0	4221053	0
05/23/17	627559	0	89591	0	316215	0	187560	0	8011653	0	328606	0	8571521	0	4221053	0
05/24/17	627559	0	89591	0	316215	0	187560	0	8011653	0	328606	0	8571521	0	4221053	0
05/25/17	627559	0	89591	0	316215	0	187560	0	8011653	0	328606	0	8571521	0	4221053	0
05/26/17	627559	0	89591	0	316215	0	187560	0	8011653	0	328606	0	8571521	0	4221053	0
05/27/17	627559	0	89591	0	316215	0	187560	0	8011653	0	328606	0	8571521	0	4221053	0
05/28/17	627559	0	89591	0	316215	0	187560	0	8011828	175	328606	0	8571521	0	4221053	0
05/29/17	627559	0	89591	0	316215	0	187560	0	8011829	1	328980	374	8571521	0	4221053	0
05/30/17	627559	0	89591	0	316215	0	187560	0	8011829	0	328980	0	8571521	0	4221053	0
05/31/17	627559	0	89591	0	316797	582	187653	93	8011829	0	328980	0	8571521	0	4221053	0
	A/B ALR:	0.6	C/D ALR:	0.2	E/F ALR:	5.5	G/H ALR:	3.0	Cell 3 ALR	3.7	Cell 4A ALR	2.6	N IMP Sec	0.03	S IMP Sec	0.00
	Total A/B:	181	Total C/D:	56	Total E/F:	1196	Total G/H:	369	Total Cell 3:	1262	Total Cell 4A:	767	Total North:	1	Total South:	0

Secondary Total: 3832

Hyland Facility Associates

Daily Leachate Tracking June 2017

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
05/31/17	7.5	143,565	407,696	-20882
06/01/17	6.7	105,388	445,873	-38,177
06/02/17	6.6	100,939	450,322	-4,450
06/03/17	5.8	67,875	483,386	-33,063
06/04/17	6.2	83,836	467,425	15,961
06/05/17	6.5	96,558	454,703	12,722
06/06/17	6.1	79,735	471,526	-16,823
06/07/17	5.2	46,369	504,892	-33,366
06/08/17	4.9	36,718	514,543	-9,652
06/09/17	4.2	17,593	533,668	-19,125
06/10/17	4.2	17,593	533,668	0
06/11/17	4.2	17,593	533,668	0
06/12/17	4.2	17,593	533,668	0
06/13/17	4.0	14,701	536,560	-2,892
06/14/17	4.0	14,701	536,560	0
06/15/17	3.8	11,912	539,349	-2,789
06/16/17	4.2	17,593	533,668	5,681
06/17/17	4.7	30,606	520,655	13,013
06/18/17	5.3	49,747	501,514	19,141
06/19/17	5.8	67,875	483,386	18,128
06/20/17	6.3	88,007	463,254	20,132
06/21/17	6.3	88,007	463,254	0
06/22/17	6.1	79,735	471,526	-8,272
06/23/17	5.8	67,875	483,386	-11,860
06/24/17	5.1	43,074	508,187	-24,801
06/25/17	5.5	56,751	494,510	13,677
06/26/17	5.9	71,748	479,513	14,997
06/27/17	5.1	43,074	508,187	-28,674
06/28/17	4.8	33,633	517,628	-9,441
06/29/17	4.2	17,593	533,668	-16,040
06/30/17	3.1	3,564	547,697	-14,029

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
05/31/17	6.2	86,237	470,777	4,132
06/01/17	6.1	82,105	474,909	-4,132
06/02/17	6.1	82,105	474,909	0
06/03/17	6.1	82,105	474,909	0
06/04/17	6.1	82,105	474,909	0
06/05/17	6.1	82,105	474,909	0
06/06/17	6.1	82,105	474,909	0
06/07/17	6.1	82,105	474,909	0
06/08/17	6.1	82,105	474,909	0
06/09/17	6.2	86,237	470,777	4,132
06/10/17	6.2	86,237	470,777	0
06/11/17	6.5	99,059	457,955	12,822
06/12/17	6.8	112,521	444,492	13,463
06/13/17	6.6	103,475	453,539	-9,046
06/14/17	6.5	99,059	457,955	-4,416
06/15/17	6.5	99,059	457,955	0
06/16/17	6.4	94,714	462,300	-4,345
06/17/17	6.8	112,521	444,492	17,808
06/18/17	6.8	112,521	444,492	0
06/19/17	5.8	70,129	486,885	-42,393
06/20/17	5.5	58,757	498,257	-11,372
06/21/17	5.4	55,101	501,913	-3,657
06/22/17	5.4	55,101	501,913	0
06/23/17	5.4	55,101	501,913	0
06/24/17	5.5	58,757	498,257	3,657
06/25/17	5.5	58,757	498,257	0
06/26/17	5.5	58,757	498,257	0
06/27/17	5.5	58,757	498,257	0
06/28/17	5.5	58,757	498,257	0
06/29/17	5.5	58,757	498,257	0
06/30/17	5.4	55,101	501,913	-3,657

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-16,750	70,197	53,447
-42,309	63,073	20,764
-4,450	84,671	80,221
-33,063	0	-33,063
15,961	0	15,961
12,722	61,309	74,031
-16,823	63,130	46,307
-33,366	70,332	36,966
-9,652	53,584	43,932
-14,993	35,926	20,933
0	0	0
12,822	0	12,822
13,463	42,943	56,406
-11,938	42,651	30,713
-4,416	52,998	48,582
-2,789	37,535	34,746
1,336	45,508	46,844
30,821	0	30,821
19,141	0	19,141
-24,265	21,475	-2,790
8,761	35,115	43,876
-3,657	35,930	32,273
-8,272	60,795	52,523
-11,860	82,330	70,470
-21,145	0	-21,145
13,677	0	13,677
14,997	68,044	83,041
-28,674	53,307	24,633
-9,441	67,963	58,522
-16,040	73,812	57,772
-17,685	59,654	41,969

Total Leachate Collected 1,040,948
 Secondary Leachate Collected 2,047
 Total Primary Collected 1,038,901

1,212,085 gal hauled

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalizer Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
05/31/17	627559	0	89591	0	316797	582	187653	93	8011829	0	328980	0	8571521	0	4221053	0
06/01/17	627559	0	89591	0	316797	0	187653	0	8011829	0	328980	0	8571521	0	4221053	0
06/02/17	627559	0	89591	0	316797	0	187653	0	8011829	0	328980	0	8571521	0	4221053	0
06/03/17	627559	0	89591	0	316797	0	187653	0	8011829	0	328980	0	8571521	0	4221053	0
06/04/17	627619	60	89591	0	316797	0	187653	0	8011829	0	328980	0	8571521	0	4221053	0
06/05/17	627619	0	89591	0	316797	0	187653	0	8012002	173	328980	0	8571521	0	4221053	0
06/06/17	627619	0	89591	0	316797	0	187653	0	8012002	0	328980	0	8571521	0	4221053	0
06/07/17	627619	0	89591	0	316797	0	187653	0	8012002	0	328980	0	8571521	0	4221053	0
06/08/17	627619	0	89591	0	316797	0	187653	0	8012002	0	328980	0	8571521	0	4221053	0
06/09/17	627619	0	89591	0	316797	0	187653	0	8012002	0	328986	6	8571521	0	4221053	0
06/10/17	627619	0	89591	0	316797	0	187653	0	8012002	0	329104	0	8571521	0	4221053	0
06/11/17	627619	0	89591	0	316797	0	187653	0	8012002	0	329379	0	8571521	0	4221053	0
06/12/17	627619	0	89649	58	316797	0	187747	94	8012002	0	330407	0	8571521	0	4221053	0
06/13/17	627619	0	89649	0	316797	0	187747	0	8012158	156	332686	0	8571521	0	4221053	0
06/14/17	627619	0	89649	0	316797	0	187747	0	8012158	0	335177	0	8571521	0	4221053	0
06/15/17	627619	0	89649	0	316797	0	187747	0	8012159	1	338026	0	8571521	0	4221053	0
06/16/17	627619	0	89649	0	316797	0	187747	0	8012159	0	340592	0	8571521	0	4221053	0
06/17/17	627619	0	89649	0	316797	0	187747	0	8012160	1	341042	0	8571521	0	4221053	0
06/18/17	627619	0	89649	0	316797	0	187747	0	8012160	0	341042	0	8571521	0	4221053	0
06/19/17	627619	0	89649	0	316797	0	187747	0	8012160	0	341042	0	8571521	0	4221053	0
06/20/17	627619	0	89649	0	316797	0	187747	0	8012160	0	341068	26	8571521	0	4221053	0
06/21/17	627619	0	89649	0	316797	0	187747	0	8012303	143	341068	0	8571521	0	4221053	0
06/22/17	627619	0	89649	0	316797	0	187747	0	8012303	0	341068	0	8571521	0	4221053	0
06/23/17	627619	0	89649	0	316797	0	187839	92	8012452	149	341386	318	8571521	0	4221053	0
06/24/17	627619	0	89649	0	316797	0	187839	0	8012452	0	341386	0	8571521	0	4221053	0
06/25/17	627619	0	89649	0	316797	0	187839	0	8012452	0	341386	0	8571521	0	4221053	0
06/26/17	627679	60	89649	0	316797	0	187839	0	8012452	0	341386	0	8571521	0	4221053	0
06/27/17	627679	0	89649	0	316797	0	187839	0	8012452	0	341386	0	8571521	0	4221053	0
06/28/17	627679	0	89649	0	317378	581	187839	0	8012581	129	341386	0	8571521	0	4221053	0
06/29/17	627679	0	89649	0	317378	0	187839	0	8012581	0	341386	0	8571521	0	4221053	0
06/30/17	627679	0	89649	0	317378	0	187839	0	8012581	0	341386	0	8571521	0	4221053	0
A/B ALR:	0.4		C/D ALR:	0.2	E/F ALR:	2.7	G/H ALR:	1.6	Cell 3 ALR	2.3	Cell 4A ALR	1.2	N IMP Sec	0.00	S IMP Sec	0.00
Total A/B:	120		Total C/D:	58	Total E/F:	581	Total G/H:	186	Total Cell 3:	752	Total Cell 4A:	350	Total North:	0	Total South:	0

Note-Manual Readings were used for cell 4 flow readings from 6/10-6/17 due to a read out error. The error was corrected and procontrol readings were used from 6/18 going forward.

Secondary Total: 2047

Hyland Facility Associates

Daily Leachate Tracking July 2017

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
06/30/17	3.1	3,564	547,697	-14,029
07/01/17	3.3	5,378	545,883	1,814
07/02/17	3.9	13,294	537,967	7,916
07/03/17	4.5	24,726	526,535	11,433
07/04/17	4.8	33,633	517,628	8,907
07/05/17	4.6	27,637	523,624	-5,996
07/06/17	4.5	24,726	526,535	-2,911
07/07/17	4.2	17,593	533,668	-7,134
07/08/17	3.4	6,635	544,626	-10,958
07/09/17	4.0	14,701	536,560	8,066
07/10/17	4.4	21,874	529,387	7,173
07/11/17	4.2	17,593	533,668	-4,281
07/12/17	3.7	10,555	540,706	-7,038
07/13/17	3.4	6,635	544,626	-3,920
07/14/17	3.8	11,912	539,349	5,277
07/15/17	3.0	3,162	548,099	-8,750
07/16/17	3.5	7,917	543,344	4,754
07/17/17	3.9	13,294	537,967	5,377
07/18/17	4.0	14,701	536,560	1,407
07/19/17	4.3	19,079	532,182	4,378
07/20/17	4.9	36,718	514,543	17,639
07/21/17	5.0	39,861	511,400	3,143
07/22/17	5.4	53,208	498,053	13,347
07/23/17	5.7	64,085	487,176	10,877
07/24/17	5.7	64,085	487,176	0
07/25/17	5.7	64,085	487,176	0
07/26/17	5.7	64,085	487,176	0
07/27/17	5.7	64,085	487,176	0
07/28/17	5.4	53,208	498,053	-10,877
07/29/17	4.4	21,874	529,387	-31,334
07/30/17	4.4	21,874	529,387	0
07/31/17	4.2	17,593	533,668	-4,281

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
06/30/17	5.4	55,101	501,913	-3,657
07/01/17	5.1	44,533	512,481	-10,568
07/02/17	5.2	47,988	509,025	3,456
07/03/17	5.1	44,533	512,481	-3,456
07/04/17	4.1	16,171	540,843	-28,362
07/05/17	4.1	16,171	540,843	0
07/06/17	4.1	16,171	540,843	0
07/07/17	4.1	16,171	540,843	0
07/08/17	3.8	11,936	545,078	-4,235
07/09/17	3.2	4,296	552,718	-7,640
07/10/17	3.0	3,151	553,862	-1,145
07/11/17	2.6	2,296	554,718	-856
07/12/17	2.6	2,296	554,718	0
07/13/17	2.2	1,599	555,415	-697
07/14/17	1.5	731	556,282	-867
07/15/17	1.5	731	556,282	0
07/16/17	1.5	731	556,282	0
07/17/17	1.5	731	556,282	0
07/18/17	1.4	638	556,375	-93
07/19/17	1.4	638	556,375	0
07/20/17	0.2	28	556,985	-610
07/21/17	0.5	108	556,905	80
07/22/17	0.0	0	557,014	-108
07/23/17	0.1	12	557,002	12
07/24/17	0.1	12	557,002	0
07/25/17	0.0	0	557,014	-12
07/26/17	0.0	0	557,014	0
07/27/17	0.0	0	557,014	0
07/28/17	1.7	940	556,074	940
07/29/17	3.2	4,296	552,718	3,356
07/30/17	3.7	10,574	546,439	6,278
07/31/17	4.2	17,635	539,379	7,060

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-17,685	59,654	41,969
-8,753	0	-8,753
11,371	0	11,371
7,977	75,033	83,010
-19,455	0	-19,455
-5,996	61,675	55,679
-2,911	55,558	52,647
-7,134	81,824	74,690
-15,193	35,549	20,356
426	0	426
6,028	68,445	74,473
-5,136	42,880	37,744
-7,038	67,947	60,909
-4,617	60,902	56,285
4,410	67,626	72,036
-8,750	0	-8,750
4,754	0	4,754
5,377	28,917	34,294
1,314	0	1,314
4,378	28,771	33,149
17,029	35,006	52,035
3,223	49,882	53,105
13,239	0	13,239
10,888	0	10,888
0	28,563	28,563
-12	21,625	21,613
0	28,677	28,677
0	21,531	21,531
-9,936	28,587	18,651
-27,978	0	-27,978
6,278	0	6,278
2,780	42,934	45,714

Total Leachate Collected **908,495**
 Secondary Leachate Collected 2,439
 Total Primary Collected 906,056

931,932 Gal Hauled

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
06/30/17	627679	0	89649	0	317378	0	187839	0	8012581	0	341386	0	8571521	0	4221053	0
07/01/17	627679	0	89649	0	317378	0	187839	0	8012581	0	341386	0	8571521	0	4221053	0
07/02/17	627679	0	89649	0	317378	0	187839	0	8012581	0	341386	0	8571521	0	4221053	0
07/03/17	627679	0	89649	0	317378	0	187839	0	8012746	165	341386	0	8571521	0	4221053	0
07/04/17	627679	0	89649	0	317378	0	187932	93	8012746	0	341386	0	8571521	0	4221053	0
07/05/17	627679	0	89649	0	317378	0	187932	0	8012746	0	341386	0	8571521	0	4221053	0
07/06/17	627679	0	89649	0	317378	0	187932	0	8012746	0	341386	0	8571521	0	4221053	0
07/07/17	627679	0	89649	0	317378	0	187932	0	8012746	0	341386	0	8571521	0	4221053	0
07/08/17	627679	0	89649	0	317378	0	187932	0	8012919	173	341386	0	8571521	0	4221053	0
07/09/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/10/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/11/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/12/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/13/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/14/17	627679	0	89649	0	317378	0	187932	0	8012919	0	341386	0	8571521	0	4221053	0
07/15/17	627679	0	89649	0	317379	1	187933	1	8013059	140	341386	0	8571521	0	4221053	0
07/16/17	627679	0	89649	0	317379	0	188026	93	8013059	0	341386	0	8571521	0	4222982	0
07/17/17	627679	0	89649	0	317379	0	188026	0	8013059	0	341386	0	8571521	0	4223750	0
07/18/17	627679	0	89649	0	317379	0	188026	0	8013059	0	341386	0	8571521	0	4224200	0
07/19/17	627679	0	89649	0	317379	0	188026	0	8013059	0	341386	0	8571521	0	4224200	0
07/20/17	627739	60	89706	57	317379	0	188026	0	8013188	129	341386	0	8571521	0	4224200	0
07/21/17	627739	0	89707	1	317379	0	188026	0	8013189	1	341755	369	8571816	295	4224200	0
07/22/17	627739	0	89707	0	317379	0	188026	0	8013189	0	341755	0	8571816	0	4224200	0
07/23/17	627739	0	89707	0	317379	0	188026	0	8013189	0	341755	0	8571816	0	4224200	0
07/24/17	627739	0	89707	0	317379	0	188026	0	8013325	136	341755	0	8571816	0	4224200	0
07/25/17	627739	0	89707	0	317866	487	188026	0	8013325	0	341755	0	8571816	0	4224200	0
07/26/17	627739	0	89707	0	317866	0	188026	0	8013325	0	341755	0	8571816	0	4224200	0
07/27/17	627739	0	89707	0	317866	0	188026	0	8013325	0	341755	0	8571816	0	4224200	0
07/28/17	627739	0	89707	0	317868	2	188027	1	8013326	1	341755	0	8571816	0	4224200	0
07/29/17	627739	0	89707	0	317868	0	188027	0	8013466	140	341755	0	8571816	0	4224200	0
07/30/17	627739	0	89707	0	317868	0	188027	0	8013466	0	341755	0	8571816	0	4224200	0
07/31/17	627739	0	89707	0	317868	0	188121	94	8013466	0	341755	0	8571816	0	4224200	0
A/B ALR:	0.2		C/D ALR:	0.2	E/F ALR:	2.3	G/H ALR:	2.3	Cell 3 ALR	2.6	Cell 4A ALR	1.3	N IMP Sec	9.52	S IMP Sec	0.00
Total A/B:	60		Total C/D:	58	Total E/F:	490	Total G/H:	282	Total Cell 3:	885	Total Cell 4A:	369	Total North:	295	Total South:	0
														Secondary Total		2439

The flow meter in the South leachate bay registered flows on 7/16-7/18. After a further review of the data and flow monitoring equipment, it was determined that there was no flow in that time period and that the flow meter was not operating correctly. The flow meter was sent to the manufacturer for repair/recalibration.

The 295 gallon flow in the north impoundment bay on 7/21/17 should be considered a normal flow. The liquid level in the sump has built up over multiple years to get to the pumping set point. Lab analysis of the liquid was completed as part of the August 2017 sampling event and showed no leachate parameters within the impoundment secondary.

Hyland Facility Associates

Daily Leachate Tracking August 2017

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
07/31/17	4.2	17,593	533,668	-4,281
08/01/17	1.0	348	550,913	-17,245
08/02/17	0.7	190	551,071	-158
08/03/17	3.7	10,555	540,706	10,365
08/04/17	3.9	13,294	537,967	2,739
08/05/17	3.9	13,294	537,967	0
08/06/17	4.3	19,079	532,182	5,785
08/07/17	3.6	9,223	542,038	-9,855
08/08/17	4.0	14,701	536,560	5,477
08/09/17	3.8	11,912	539,349	-2,789
08/10/17	3.3	5,378	545,883	-6,534
08/11/17	3.1	3,564	547,697	-1,814
08/12/17	3.1	3,564	547,697	0
08/13/17	3.7	10,555	540,706	6,991
08/14/17	3.6	9,223	542,038	-1,332
08/15/17	3.5	7,917	543,344	-1,307
08/16/17	3.2	4,303	546,958	-3,614
08/17/17	2.9	2,934	548,327	-1,369
08/18/17	2.4	1,940	549,321	-994
08/19/17	3.1	3,564	547,697	1,624
08/20/17	3.6	9,223	542,038	5,659
08/21/17	3.6	9,223	542,038	0
08/22/17	3.2	4,303	546,958	-4,921
08/23/17	3.1	3,564	547,697	-739
08/24/17	3.1	3,564	547,697	0
08/25/17	3.1	3,564	547,697	0
08/26/17	3.4	6,635	544,626	3,071
08/27/17	3.6	9,223	542,038	2,588
08/28/17	3.7	10,555	540,706	1,332
08/29/17	3.7	10,555	540,706	0
08/30/17	3.6	9,223	542,038	-1,332
08/31/17	3.5	7,917	543,344	-1,307

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
07/31/17	4.2	17,635	539,379	7,060
08/01/17	5.8	70,129	486,885	52,494
08/02/17	5.6	62,481	494,533	-7,648
08/03/17	2.9	2,922	554,091	-59,558
08/04/17	2.9	2,922	554,091	0
08/05/17	3.1	3,554	553,459	632
08/06/17	3.1	3,554	553,459	0
08/07/17	3.1	3,554	553,459	0
08/08/17	3.1	3,554	553,459	0
08/09/17	3.1	3,554	553,459	0
08/10/17	3.1	3,554	553,459	0
08/11/17	3.1	3,554	553,459	0
08/12/17	3.1	3,554	553,459	0
08/13/17	3.1	3,554	553,459	0
08/14/17	3.1	3,554	553,459	0
08/15/17	3.1	3,554	553,459	0
08/16/17	3.1	3,554	553,459	0
08/17/17	3.1	3,554	553,459	0
08/18/17	3.1	3,554	553,459	0
08/19/17	3.1	3,554	553,459	0
08/20/17	3.1	3,554	553,459	0
08/21/17	3.1	3,554	553,459	0
08/22/17	3.1	3,554	553,459	0
08/23/17	3.2	4,296	552,718	742
08/24/17	3.2	4,296	552,718	0
08/25/17	3.2	4,296	552,718	0
08/26/17	3.2	4,296	552,718	0
08/27/17	3.2	4,296	552,718	0
08/28/17	3.2	4,296	552,718	0
08/29/17	3.2	4,296	552,718	0
08/30/17	3.2	4,296	552,718	0
08/31/17	3.2	4,296	552,718	0

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
2,780	42,934	45,714
35,249	42,118	77,367
-7,806	42,304	34,498
-49,193	49,985	792
2,739	35,918	38,657
632	0	632
5,785	0	5,785
-9,855	42,852	32,997
5,477	42,994	48,471
-2,789	50,360	47,571
-6,534	28,922	22,388
-1,814	49,722	47,908
0	0	0
6,991	0	6,991
-1,332	36,233	34,901
-1,307	36,165	34,858
-3,614	36,228	32,614
-1,369	28,924	27,555
-994	28,953	27,959
1,624	0	1,624
5,659	0	5,659
0	36,156	36,156
-4,921	21,749	16,828
3	28,871	28,874
0	28,824	28,824
0	28,898	28,898
3,071	0	3,071
2,588	0	2,588
1,332	36,095	37,427
0	28,800	28,800
-1,332	28,678	27,346
-1,307	21,550	20,243

Total Leachate Collected **788,284**
 Secondary Leachate Collected 1,622
 Total Primary Collected 786,662

854,233 Gal Hauled

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
07/31/17	627739	0	89707	0	317868	0	188121	94	8013466	0	341755	0	8571816	0	4224200	0
08/01/17	627739	0	89707	0	317868	0	188121	0	8013466	0	341755	0	8571816	0	4224200	0
08/02/17	627739	0	89707	0	317868	0	188121	0	8013466	0	341755	0	8571816	0	4224200	0
08/03/17	627739	0	89707	0	317868	0	188121	0	8013466	0	341755	0	8571816	0	4224200	0
08/04/17	627739	0	89707	0	317868	0	188122	1	8013611	145	341755	0	8571816	0	4224200	0
08/05/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/06/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/07/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/08/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/09/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/10/17	627739	0	89707	0	317868	0	188122	0	8013611	0	341755	0	8571816	0	4224200	0
08/11/17	627740	1	89707	0	317868	0	188126	4	8013612	1	341755	0	8571816	0	4224200	0
08/12/17	627740	0	89707	0	317868	0	188126	0	8013612	0	341755	0	8571816	0	4224200	0
08/13/17	627740	0	89707	0	317868	0	188126	0	8013747	135	342074	319	8571816	0	4224200	0
08/14/17	627740	0	89707	0	317868	0	188126	0	8013747	0	342074	0	8571816	0	4224200	0
08/15/17	627800	60	89707	0	317868	0	188126	0	8013747	0	342074	0	8571816	0	4224200	0
08/16/17	627800	0	89707	0	317868	0	188219	93	8013747	0	342074	0	8571816	0	4224200	0
08/17/17	627817	17	89720	13	317882	14	188228	9	8013747	0	342074	0	8571816	0	4224200	0
08/18/17	627818	1	89720	0	317882	0	188228	0	8013767	20	342117	43	8571816	0	4224200	0
08/19/17	627818	0	89720	0	317882	0	188228	0	8013909	142	342117	0	8571816	0	4224200	0
08/20/17	627818	0	89720	0	317882	0	188228	0	8013909	0	342117	0	8571816	0	4224200	0
08/21/17	627818	0	89720	0	318347	465	188228	0	8013909	0	342117	0	8571816	0	4224200	0
08/22/17	627818	0	89720	0	318347	0	188228	0	8013909	0	342117	0	8571816	0	4224200	0
08/23/17	627818	0	89720	0	318347	0	188228	0	8013909	0	342117	0	8571816	0	4224200	0
08/24/17	627818	0	89720	0	318347	0	188228	0	8013909	0	342117	0	8571816	0	4224200	0
08/25/17	627819	1	89720	0	318347	0	188229	1	8013910	1	342117	0	8571816	0	4224200	0
08/26/17	627819	0	89720	0	318347	0	188229	0	8013910	0	342117	0	8571816	0	4224200	0
08/27/17	627819	0	89720	0	318347	0	188229	0	8014046	136	342117	0	8571816	0	4224200	0
08/28/17	627819	0	89720	0	318347	0	188229	0	8014046	0	342117	0	8571816	0	4224200	0
08/29/17	627819	0	89720	0	318347	0	188229	0	8014046	0	342117	0	8571816	0	4224200	0
08/30/17	627819	0	89720	0	318347	0	188229	0	8014046	0	342117	0	8571816	0	4224200	0
08/31/17	627819	0	89720	0	318347	0	188322	93	8014046	0	342117	0	8571816	0	4224200	0

A/B ALR:	0.3	C/D ALR:	0.1	E/F ALR:	2.2	G/H ALR:	1.6	Cell 3 ALR	1.7	Cell 4A ALR	1.2	N IMP Sec	0.00	S IMP Sec	0.00
Total A/B:	80	Total C/D:	13	Total E/F:	479	Total G/H:	108	Total Cell 3:	580	Total Cell 4A:	362	Total North:	0	Total South:	0
													Secondary Total:		1622

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
08/31/17	3.5	7,917	543,344	-1,307
09/01/17	3.5	7,917	412,728	4,957
09/02/17	3.8	11,912	539,349	3,995
09/03/17	4.1	16,134	535,127	4,222
09/04/17	4.5	24,726	526,535	8,593
09/05/17	4.8	33,633	517,628	8,907
09/06/17	4.8	33,633	517,628	0
09/07/17	4.4	21,874	529,387	-11,759
09/08/17	4.2	17,593	533,668	-4,281
09/09/17	4.1	16,134	535,127	-1,459
09/10/17	4.1	16,134	535,127	0
09/11/17	4.2	17,593	533,668	1,459
09/12/17	4.1	16,134	535,127	-1,459
09/13/17	3.6	9,223	542,038	-6,910
09/14/17	3.6	9,223	542,038	0
09/15/17	3.3	5,378	545,883	-3,845
09/16/17	3.7	10,555	540,706	5,177
09/17/17	4.3	19,079	532,182	8,524
09/18/17	4.3	19,079	532,182	0
09/19/17	4.2	17,593	533,668	-1,486
09/20/17	4.2	17,593	533,668	0
09/21/17	3.7	10,555	540,706	-7,038
09/22/17	3.5	7,917	543,344	-2,639
09/23/17	3.5	7,917	543,344	0
09/24/17	4.0	14,701	536,560	6,784
09/25/17	4.1	16,134	535,127	1,433
09/26/17	3.8	11,912	539,349	-4,222
09/27/17	3.4	6,635	544,626	-5,277
09/28/17	3.2	4,303	546,958	-2,332
09/29/17	2.9	2,934	548,327	-1,369
09/30/17	3.0	3,162	548,099	228

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
08/31/17	3.2	4,296	552,718	0
09/01/17	3.2	4,296	555,256	0
09/02/17	3.2	4,296	552,718	0
09/03/17	3.2	4,296	552,718	0
09/04/17	3.2	4,296	552,718	0
09/05/17	3.3	5,377	551,637	1,080
09/06/17	3.4	6,639	550,375	1,262
09/07/17	3.5	7,926	549,088	1,287
09/08/17	3.6	9,238	547,776	1,312
09/09/17	3.6	9,238	547,776	0
09/10/17	3.6	9,238	547,776	0
09/11/17	3.6	9,238	547,776	0
09/12/17	3.6	9,238	547,776	0
09/13/17	3.6	9,238	547,776	0
09/14/17	3.6	9,238	547,776	0
09/15/17	3.9	13,323	543,691	4,085
09/16/17	3.9	13,323	543,691	0
09/17/17	3.9	13,323	543,691	0
09/18/17	3.9	13,323	543,691	0
09/19/17	3.9	13,323	543,691	0
09/20/17	3.9	13,323	543,691	0
09/21/17	3.9	13,323	543,691	0
09/22/17	3.9	13,323	543,691	0
09/23/17	3.9	13,323	543,691	0
09/24/17	3.9	13,323	543,691	0
09/25/17	3.9	13,323	543,691	0
09/26/17	3.9	13,323	543,691	0
09/27/17	3.9	13,323	543,691	0
09/28/17	3.9	13,323	543,691	0
09/29/17	3.9	13,323	543,691	0
09/30/17	3.5	7,926	549,088	-5,397

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-1306.73	21550	20243
4,957	21684	26,634
3,995	0	25,679
4,222	0	4,222
8,593	0	8,593
9,987	28,831	9,987
1,262	21,192	30,093
-10,472	53,445	10,720
-2,969	54,078	50,476
-1,459	0	52,619
0	0	0
1,459	61,585	1,459
-1,459	40,934	60,126
-6,910	46,458	34,024
0	33,881	46,458
240	21,658	34,121
5,177	0	26,835
8,524	0	8,524
0	36,036	0
-1,486	21,612	34,550
0	40,685	21,612
-7,038	40,118	33,647
-2,639	25,135	37,479
0	0	25,135
6,784	0	6,784
1,433	42,423	1,433
-4,222	44,995	38,201
-5,277	28,778	39,718
-2,332	31,114	26,446
-1,369	46,823	29,745
-5,168	0	41,655

Total Leachate Collected **766,974**
 Secondary Leachate Collected 1,687
 Total Primary Collected 765,287

741465 Gal Hauled

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
09/01/17	627819	0	89720	0	318347	28	188324	0	8014046	0	342117	0	8571816	0	4224200	0
09/02/17	627819	0	89720	0	318347	0	188324	0	8014046	0	342117	0	8571816	0	4224200	0
09/03/17	627819	0	89720	0	318347	0	188324	0	8014046	0	342117	0	8571816	0	4224200	0
09/04/17	627819	0	89720	0	318347	0	188324	0	8014046	0	342117	0	8571816	0	4224200	0
09/05/17	627819	0	89720	0	318347	0	188324	0	8014192	146	342561	444	8571816	0	4224200	0
09/06/17	627819	0	89720	0	318347	0	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/07/17	627819	0	89720	0	318347	0	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/08/17	627819	0	89720	0	318347	0	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/09/17	627819	0	89720	0	318348	1	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/10/17	627819	0	89720	0	318348	0	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/11/17	627819	0	89776	56	318348	0	188324	0	8014192	0	342561	0	8571816	0	4224200	0
09/12/17	627878	59	89776	0	318348	0	188417	93	8014192	0	342561	0	8571816	0	4224200	0
09/13/17	627878	0	89776	0	318348	0	188417	0	8014192	0	342561	0	8571816	0	4224200	0
09/14/17	627878	0	89776	0	318348	0	188417	0	8014192	0	342561	0	8571816	0	4224200	0
09/15/17	627879	1	89777	1	318349	1	188417	0	8014358	166	342979	418	8571816	0	4224200	0
09/16/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/17/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/18/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/19/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/20/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/21/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/22/17	627879	0	89777	0	318349	0	188417	0	8014358	0	342979	0	8571816	0	4224200	0
09/23/17	627879	0	89777	0	318352	3	188511	94	8014525	167	342979	0	8571818	2	4224200	0
09/24/17	627879	0	89777	0	318352	0	188511	0	8014525	0	342979	0	8571818	0	4224200	0
09/25/17	627879	0	89777	0	318352	0	188511	0	8014525	0	342979	0	8571818	0	4224200	0
09/26/17	627879	0	89777	0	318352	0	188511	0	8014525	0	342979	0	8571818	0	4224200	0
09/27/17	627879	0	89777	0	318352	0	188512	1	8014525	0	342985	6	8571818	0	4224200	0
09/28/17	627879	0	89777	0	318352	0	188512	0	8014525	0	342985	0	8571818	0	4224200	0
09/29/17	627879	0	89777	0	318352	0	188512	0	8014525	0	342985	0	8571818	0	4224200	0
09/30/17	627879	0	89777	0	318352	0	188512	0	8014525	0	342985	0	8571818	0	4224200	0
A/B ALR:	0.2		C/D ALR:	0.2	E/F ALR:	0.2	G/H ALR:	1.6	Cell 3 ALR	1.4	Cell 4A ALR	3.0	N IMP Sec	0.07	S IMP Sec	0.00
<i>Total A/B:</i>	60		<i>Total C/D:</i>	57	<i>Total E/F:</i>	33	<i>Total G/H:</i>	188	<i>Total Cell 3:</i>	479	<i>Total Cell 4A:</i>	868	<i>Total North:</i>	2	<i>Total South:</i>	0

NOTES

9/5(Cell 4): Battery backup failure, cause procontrol to go down keeping values from being collected

Secondary Total: 1687

Hyland Facility Associates

Daily Leachate Tracking October 2017

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	Time Measured	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
09/30/17	3.0	23:50	3,162	548,099	-1,140
10/01/17	3.5	23:50	7,917	543,344	4,754
10/02/17	3.9	23:50	13,294	537,967	5,377
10/03/17	3.8	23:50	11,912	539,349	-1,382
10/04/17	3.3	23:50	5,378	545,883	-6,534
10/05/17	3.1	23:50	3,564	547,697	-1,814
10/06/17	2.9	23:50	2,934	548,327	-630
10/07/17	2.7	23:50	2,507	548,754	-427
10/08/17	3.3	23:50	5,378	545,883	2,872
10/09/17	3.6	23:50	9,223	542,038	3,845
10/10/17	3.6	23:50	9,223	542,038	0
10/11/17	3.6	23:50	9,223	542,038	0
10/12/17	3.4	23:50	6,635	544,626	-2,588
10/13/17	3.4	23:50	6,635	544,626	0
10/14/17	3.5	23:50	7,917	543,344	1,282
10/15/17	4.0	23:50	14,701	536,560	6,784
10/16/17	4.3	23:50	19,079	532,182	4,378
10/17/17	4.3	23:50	19,079	532,182	0
10/18/17	4.3	23:50	19,079	532,182	0
10/19/17	4.1	23:50	16,134	535,127	-2,945
10/20/17	3.9	23:50	13,294	537,967	-2,840
10/21/17	3.9	23:50	13,294	537,967	0
10/22/17	4.3	23:50	19,079	532,182	5,785
10/23/17	4.4	23:50	21,874	529,387	2,795
10/24/17	4.3	23:50	19,079	532,182	-2,795
10/25/17	4.0	23:50	14,701	536,560	-4,378
10/26/17	3.8	23:50	11,912	539,349	-2,789
10/27/17	3.4	23:50	6,635	544,626	-5,277
10/28/17	3.4	23:50	6,635	544,626	0
10/29/17	4.0	23:50	14,701	536,560	8,066
10/30/17	5.0	23:50	39,861	511,400	25,160
10/31/17	4.8	23:50	33,633	517,628	-6,228

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	Time Measured	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
9/30/17	3.5	23:50	7,926	549,088	-5,397
10/01/17	3.5	23:50	7,926	549,088	0
10/02/17	3.2	23:50	4,296	552,718	-3,630
10/03/17	2.9	23:50	2,922	554,091	-1,374
10/04/17	3.0	23:50	3,151	553,862	229
10/05/17	3.0	23:50	3,151	553,862	0
10/06/17	3.1	23:50	3,554	553,459	403
10/07/17	3.1	23:50	3,554	553,459	0
10/08/17	3.2	23:50	4,296	552,718	742
10/09/17	3.3	23:50	5,377	551,637	1,080
10/10/17	3.4	23:50	6,639	550,375	1,262
10/11/17	3.4	23:50	6,639	550,375	0
10/12/17	3.7	23:50	10,574	546,439	3,936
10/13/17	3.7	23:50	10,574	546,439	0
10/14/17	3.7	23:50	10,574	546,439	0
10/15/17	3.7	23:50	10,574	546,439	0
10/16/17	3.8	23:50	11,936	545,078	1,362
10/17/17	3.8	23:50	11,936	545,078	0
10/18/17	3.8	23:50	11,936	545,078	0
10/19/17	3.8	23:50	11,936	545,078	0
10/20/17	3.9	23:50	13,323	543,691	1,387
10/21/17	3.9	23:50	13,323	543,691	0
10/22/17	3.9	23:50	13,323	543,691	0
10/23/17	3.9	23:50	13,323	543,691	0
10/24/17	4.0	23:50	14,734	542,280	1,411
10/25/17	4.1	23:50	16,171	540,843	1,437
10/26/17	4.1	23:50	16,171	540,843	0
10/27/17	4.1	23:50	16,171	540,843	0
10/28/17	4.1	23:50	16,171	540,843	0
10/29/17	4.3	23:50	19,125	537,889	2,954
10/30/17	4.8	23:50	34,554	522,460	15,429
10/31/17	4.8	23:50	34,554	522,460	0

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-6,537	0	40,286
4,754	0	4,754
1,748	43,305	45,053
-2,756	26,722	23,966
-6,305	49,528	43,223
-1,814	31,754	29,940
-227	38,417	38,190
-427	0	-427
3,613	0	3,613
4,925	41,769	46,694
1,262	28,722	29,984
0	41,383	41,383
1,347	28,661	30,008
0	35,914	35,914
1,282	0	1,282
6,784	0	6,784
5,740	31,172	36,912
0	28,666	28,666
0	43,262	43,262
-2,945	28,799	25,854
-1,453	35,998	34,545
0	0	0
5,785	0	5,785
2,795	35,911	38,706
-1,383	35,921	34,538
-2,941	38,296	35,355
-2,789	35,962	33,173
-5,277	43,139	37,862
0	0	0
11,020	0	11,020
40,589	50,312	90,901
-6,228	54,207	47,979

Total Leachate Collected **884,919**
 Secondary Leachate Collected 4,344
 Total Primary Collected 880,575
 Gal. Hauled 827,820

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalizer Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
9/30/2017	627879	0	89777	0	318352	0	188512	0	8014525	0	342985	0	8,571,818	0	4,224,200	0
10/01/17	627879	0	89777	0	318868	0	188512	0	8014680	0	342985	0	8571818	0	4224200	0
10/02/17	627879	0	89777	0	318868	0	188512	0	8014680	0	342985	0	8571818	0	4224200	0
10/03/17	627879	0	89777	0	318868	0	188512	0	8014680	0	342985	0	8571818	0	4224200	0
10/04/17	627879	0	89777	0	318868	0	188605	93	8014680	0	342985	0	8571818	0	4224200	0
10/05/17	627879	0	89777	0	318868	0	188605	0	8014680	0	342985	0	8571818	0	4224200	0
10/06/17	627880	1	89777	0	318870	2	188606	1	8014680	0	344038	1053	8571818	0	4224200	0
10/07/17	627939	59	89777	0	318870	0	188606	0	8014680	0	344038	0	8571818	0	4224200	0
10/08/17	627939	0	89777	0	318870	0	188606	0	8014806	126	344038	0	8571818	0	4224200	0
10/09/17	627939	0	89777	0	318870	0	188606	0	8014806	0	344377	339	8571818	0	4224200	0
10/10/17	627939	0	89777	0	318870	0	188606	0	8014806	0	344716	339	8571818	0	4224200	0
10/11/17	627939	0	89777	0	318870	0	188606	0	8014806	0	344716	0	8571818	0	4224200	0
10/12/17	627940	1	89777	0	318870	0	188607	1	8014806	0	345502	786	8571818	0	4224200	0
10/13/17	627940	0	89777	0	318870	0	188607	0	8014935	129	345502	0	8571818	0	4224200	0
10/14/17	627940	0	89777	0	318870	0	188607	0	8014935	0	345823	321	8571818	0	4224200	0
10/15/17	627940	0	89777	0	318870	0	188607	0	8014935	0	345823	0	8571818	0	4224200	0
10/16/17	627940	0	89826	49	318870	0	188697	90	8014935	0	345823	0	8571818	0	4224200	0
10/17/17	627940	0	89826	0	318870	0	188697	0	8014935	0	345823	0	8571818	0	4224200	0
10/18/17	627940	0	89826	0	318870	0	188697	0	8015044	109	345823	0	8571818	0	4224200	0
10/19/17	627940	0	89826	0	318870	0	188697	0	8015044	0	345823	0	8571818	0	4224200	0
10/20/17	627940	0	89826	0	318870	0	188697	0	8015044	0	345823	0	8571818	0	4224200	0
10/21/17	627940	0	89826	0	318870	0	188697	0	8015044	0	345823	0	8571818	0	4224200	0
10/22/17	627940	0	89826	0	318870	0	188697	0	8015044	0	345823	0	8571818	0	4224200	0
10/23/17	627940	0	89826	0	318870	0	188697	0	8015164	120	345823	0	8571818	0	4224200	0
10/24/17	627940	0	89826	0	318870	0	188697	0	8015164	0	346146	323	8571818	0	4224200	0
10/25/17	627940	0	89826	0	318870	0	188697	0	8015164	0	346146	0	8571818	0	4224200	0
10/26/17	627940	0	89826	0	318871	1	188698	1	8015164	0	346146	0	8571818	0	4224200	0
10/27/17	627940	0	89826	0	318871	0	188698	0	8015164	0	346146	0	8571818	0	4224200	0
10/28/17	627940	0	89826	0	318871	0	188698	0	8015289	125	346146	0	8571818	0	4224200	0
10/29/17	627940	0	89826	0	318871	0	188789	91	8015289	0	346146	0	8571818	0	4224200	0
10/30/17	627940	0	89826	0	318871	0	188789	0	8015423	134	346146	0	8571818	0	4224200	0
10/31/17	627940	0	89826	0	318871	0	188789	0	8015473	50	346146	0	8571818	0	4224200	0

A/B ALR:	0.2	C/D ALR:	0.2	E/F ALR:	0.0	G/H ALR:	2.2	Cell 3 ALR	2.3	Cell 4A ALR	10.7	N IMP Sec	0.00	S IMP Sec	0.00
Total A/B:	61	Total C/D:	49	Total E/F:	3	Total G/H:	277	Total Cell 3:	793	Total Cell 4A:	3161	Total North:	0	Total South:	0

Notes:

10/3-10/14: Flows attributed to open tie-in between Cell 4 and Cell 5 (Under construction) with storm water infiltration occurring during the timeframe.

10/28-11/3: Problem with level sensor in cell 3 secondary caused the pump to keep pumping. Was fixed.

Secondary Total: 4344

Bay 1 (North Impoundment)

Date	Manual Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
10/31/17	4.8	33,633	517,628	-6,228
11/01/17	4.4	21,874	529,387	-11,759
11/02/17	4.4	21,874	529,387	0
11/03/17	4.1	16,134	535,127	-5,740
11/04/17	4.2	17,593	533,668	1,459
11/05/17	4.7	30,606	520,655	13,013
11/06/17	5.3	49,747	501,514	19,141
11/07/17	5.1	43,074	508,187	-6,674
11/08/17	4.9	36,718	514,543	-6,356
11/09/17	4.7	30,606	520,655	-6,112
11/10/17	4.2	17,593	533,668	-13,013
11/11/17	4.0	14,701	536,560	-2,892
11/12/17	4.5	24,726	526,535	10,026
11/13/17	4.8	33,633	517,628	8,907
11/14/17	4.7	30,606	520,655	-3,027
11/15/17	4.4	21,874	529,387	-8,732
11/16/17	4.4	21,874	529,387	0
11/17/17	4.3	19,079	532,182	-2,795
11/18/17	4.3	19,079	532,182	0
11/19/17	4.7	30,606	520,655	11,527
11/20/17	4.8	33,633	517,628	3,027
11/21/17	5.0	39,861	511,400	6,228
11/22/17	4.7	30,606	520,655	-9,255
11/23/17	4.7	30,606	520,655	0
11/24/17	4.2	17,593	533,668	-13,013
11/25/17	5.0	39,861	511,400	22,268
11/26/17	4.9	39,861	511,400	0
11/27/17	5.0	30,606	520,655	-9,255
11/28/17	4.7	19,079	532,182	-11,527
11/29/17	4.3	19,079	532,182	0
11/30/17	4.0	14,701	536,560	-4,378

Bay 2 (South Impoundment)

Date	Manual Reading from Impoundment (ft)	Time Measured	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
10/31/17	4.8	23:50	34,554	522,460	0
11/01/17	4.8	23:50	34,554	522,460	0
11/02/17	5.0	23:50	41,144	515,870	-6,591
11/03/17	5.1	23:50	44,533	512,481	-3,389
11/04/17	5.1	23:50	44,533	512,481	0
11/05/17	5.1	23:50	44,533	512,481	0
11/06/17	5.2	23:50	47,988	509,025	-3,456
11/07/17	5.3	23:50	51,511	505,503	-3,523
11/08/17	5.3	23:50	51,511	505,503	0
11/09/17	5.3	23:50	51,511	505,503	0
11/10/17	5.3	23:50	51,511	505,503	0
11/11/17	5.3	23:50	51,511	505,503	0
11/12/17	5.3	23:50	51,511	505,503	0
11/13/17	5.3	23:50	51,511	505,503	0
11/14/17	5.3	23:50	51,511	505,503	0
11/15/17	5.3	23:50	51,511	505,503	0
11/16/17	5.4	23:50	55,101	501,913	-3,590
11/17/17	5.4	23:50	55,101	501,913	0
11/18/17	5.4	23:50	55,101	501,913	0
11/19/17	5.6	23:50	62,481	494,533	-7,380
11/20/17	5.6	23:50	62,481	494,533	0
11/21/17	5.6	23:50	62,481	494,533	0
11/22/17	5.6	23:50	62,481	494,533	0
11/23/17	5.7	23:50	66,271	490,743	-3,791
11/24/17	5.7	23:50	66,271	490,743	0
11/25/17	5.7	23:50	66,271	490,743	0
11/26/17	5.7	23:50	66,271	490,743	0
11/27/17	5.7	23:50	66,271	490,743	0
11/28/17	5.7	23:50	66,271	490,743	0
11/29/17	5.7	23:50	66,271	490,743	0
11/30/17	5.7	23:50	66,271	490,743	0

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-120,130	0	-120,130
-11,759	49,569	37,810
-6,591	37,952	31,361
-9,129	53,719	44,590
1,459	0	1,459
13,013	0	13,013
15,686	44,324	60,010
-10,196	42,436	32,240
-6,356	42,582	36,226
-6,112	61,782	55,670
-13,013	35,515	22,502
-2,892	0	-2,892
10,026	0	10,026
8,907	37,287	46,194
-3,027	42,779	39,752
-8,732	28,241	19,509
-3,590	28,344	24,754
-2,795	45,351	42,556
0	0	0
4,147	0	4,147
3,027	34,203	37,230
6,228	40,569	46,797
-9,255	53,233	43,978
-3,791	0	-3,791
-13,013	53,290	40,277
22,268	0	22,268
0	0	0
-9,255	51,788	42,533
-11,527	38,133	26,606
0	49,911	49,911
-4,378	43,091	38,713

Total Leachate Collected **863,449**
 Secondary Leachate Collected 2,952
 Total Primary Collected 860,497
 Gallons Hauled 914,099

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalizer Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
10/31/17	627940	0	89826	0	318871	0	188789	0	8015473	0	346146	0	8571818	0	4224200	0
11/01/17	627940	0	89826	0	318871	0	188789	0	8015537	64	346146	0	8571818	0	4224200	0
11/02/17	627940	0	89826	0	318871	0	188789	0	8015605	68	346146	0	8571818	0	4224200	0
11/03/17	627999	59	89826	0	318871	0	188789	0	8015986	381	346146	0	8571818	0	4224200	0
11/04/17	627999	0	89826	0	318871	0	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/05/17	627999	0	89826	0	318871	0	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/06/17	627999	0	89826	0	318871	0	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/07/17	627999	0	89826	0	319292	421	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/08/17	627999	0	89826	0	319292	0	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/09/17	627999	0	89826	0	319292	0	188789	0	8015986	0	346146	0	8571818	0	4224200	0
11/10/17	627999	0	89826	0	319292	0	188880	91	8015986	0	346146	0	8571818	0	4224200	0
11/11/17	627999	0	89826	0	319292	0	188881	1	8016425	439	346146	0	8571818	0	4224200	0
11/12/17	628019	20	89833	7	319299	7	188891	10	8016492	67	346188	42	8571837	19	4224290	90
11/13/17	628019	0	89833	0	319299	0	188891	0	8016492	0	346188	0	8571837	0	4224299	0
11/14/17	628019	0	89833	0	319299	0	188891	0	8016492	0	346188	0	8571837	0	4224306	0
11/15/17	628019	0	89833	0	319299	0	188891	0	8016492	0	346188	0	8571837	0	4225053	0
11/16/17	628019	0	89833	0	319299	0	188891	0	8016492	0	346188	0	8571837	0	4225091	0
11/17/17	628019	0	89833	0	319301	2	188891	0	8016494	2	346188	0	8571837	0	4225574	0
11/18/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346188	0	8571837	0	4226403	0
11/19/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346508	320	8571837	0	4226403	0
11/20/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346508	0	8571837	0	4226403	0
11/21/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346508	0	8571837	0	4226403	0
11/22/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346508	0	8571837	0	4226403	0
11/23/17	628019	0	89833	0	319301	0	188891	0	8016494	0	346508	0	8571837	0	4226403	0
11/24/17	628019	0	89833	0	319301	0	188891	0	8016985	491	346508	0	8571837	0	4226403	0
11/25/17	628019	0	89833	0	319301	0	188982	91	8016985	0	346509	1	8571837	0	4226403	0
11/26/17	628019	0	89833	0	319301	0	188982	0	8016985	0	346509	0	8571837	0	4226403	0
11/27/17	628019	0	89833	0	319301	0	188982	0	8016985	0	346509	0	8571837	0	4226403	0
11/28/17	628078	59	89833	0	319301	0	188982	0	8016985	0	346509	0	8571837	0	4226403	0
11/29/17	628078	0	89833	0	319301	0	188982	0	8016985	0	346509	0	8571837	0	4226403	0
11/30/17	628078	0	89833	0	319301	0	188982	0	8017185	200	346509	0	8571837	0	4226403	0
A/B ALR:	0.5		C/D ALR:	0.0	E/F ALR:	2.0	G/H ALR:	1.4	Cell 3 ALR	5.7	Cell 4A ALR	1.2	N IMP Sec	0.68	S IMP Sec	3.21
<i>Total A/B:</i>	138		<i>Total C/D:</i>	7	<i>Total E/F:</i>	430	<i>Total G/H:</i>	193	<i>Total Cell 3:</i>	1712	<i>Total Cell 4A:</i>	363	<i>Total North:</i>	19	<i>Total South:</i>	90

Secondary Total: 2952

NOTES:
 11/13-11/18: Totalizer showed flow in south Impoundment Bay 2 Secondary. Situation was investigated and determined that there was no actual flow. Totalizer had malfunctioned and was showing flow when with pump turned off.
 11/12/17- Flows in all secondaries due to Pro-Control Evaluation which includes manually pumping each secondary as part of evaluation.

Bay 1 (North Impoundment)

Date	Reading from Impoundment (ft)	North Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
11/30/17	4.0	14,701	536,560	-4,378
12/01/17	3.5	7,917	543,344	-6,784
12/02/17	3.8	11,912	539,349	3,995
12/03/17	4.2	17,593	533,668	5,681
12/04/17	4.3	19,079	532,182	1,486
12/05/17	4.5	24,726	526,535	5,648
12/06/17	4.8	33,633	517,628	8,907
12/07/17	5.1	43,074	508,187	9,441
12/08/17	4.2	17,593	533,668	-25,481
12/09/17	2.7	2,507	548,754	-15,086
12/10/17	3.3	5,378	545,883	2,872
12/11/17	3.8	11,912	539,349	6,534
12/12/17	2.7	2,507	548,754	-9,405
12/13/17	2.5	2,119	549,142	-388
12/14/17	2.2	1,611	549,650	-508
12/15/17	2.2	1,611	549,650	0
12/16/17	2.2	1,611	549,650	0
12/17/17	2.8	2,715	548,546	1,104
12/18/17	3.3	5,378	545,883	2,663
12/19/17	3.1	3,564	547,697	-1,814
12/20/17	3.3	5,378	545,883	1,814
12/21/17	3.1	3,564	547,697	-1,814
12/22/17	3.1	3,564	547,697	0
12/23/17	3.0	3,162	548,099	-402
12/24/17	3.7	10,555	540,706	7,393
12/25/17	4.2	17,593	533,668	7,038
12/26/17	4.7	30,606	520,655	13,013
12/27/17	4.9	36,718	514,543	6,112
12/28/17	4.9	36,718	514,543	0
12/29/17	5.1	43,074	508,187	6,356
12/30/17	4.8	33,633	517,628	-9,441
12/31/17	5.7	64,085	487,176	30,452

Bay 2 (South Impoundment)

Date	Reading from Impoundment (ft)	South Bay Leachate Level (gal)	Leachate Capacity to Overflow (gal)	Daily Change in Leachate Volume (gal)
11/30/17	5.7	66,271	490,743	0
12/01/17	5.7	66,271	490,743	0
12/02/17	4.9	37,819	519,195	-28,452
12/03/17	5.1	44,533	512,481	6,714
12/04/17	5.2	47,988	509,025	3,456
12/05/17	4.4	22,091	534,923	-25,898
12/06/17	3.4	6,639	550,375	-15,452
12/07/17	1.8	1,056	555,958	-5,583
12/08/17	1.9	1,179	555,835	123
12/09/17	1.9	1,179	555,835	0
12/10/17	1.9	1,179	555,835	0
12/11/17	1.9	1,179	555,835	0
12/12/17	1.9	1,179	555,835	0
12/13/17	2.0	1,310	555,704	131
12/14/17	2.0	1,310	555,704	0
12/15/17	2.0	1,310	555,704	0
12/16/17	2.0	1,310	555,704	0
12/17/17	2.0	1,310	555,704	0
12/18/17	2.0	1,310	555,704	0
12/19/17	2.1	1,449	555,565	139
12/20/17	2.2	1,599	555,415	149
12/21/17	2.3	1,758	555,256	159
12/22/17	2.3	1,758	555,256	0
12/23/17	2.3	1,758	555,256	0
12/24/17	2.6	2,296	554,718	538
12/25/17	2.6	2,296	554,718	0
12/26/17	2.6	2,296	554,718	0
12/27/17	2.6	2,296	554,718	0
12/28/17	2.7	2,495	554,519	199
12/29/17	2.7	2,495	554,519	0
12/30/17	2.7	2,495	554,519	0
12/31/17	2.7	2,495	554,519	0

Total Change in Leachate Volume (gal)	Disposed (gal)	Total Leachate Generation (gal)
-4,378	43,091	38,713
-6,784	66,344	59,560
-24,457	0	-24,457
12,395	0	12,395
4,942	65,859	70,801
-20,250	66,862	46,612
-6,546	65,878	59,332
3,858	73,395	77,253
-25,358	94,446	69,088
-15,086	0	-15,086
2,872	0	2,872
6,534	72,268	78,802
-9,405	30,106	20,701
-257	36,363	36,106
-508	23,624	23,116
0	22,503	22,503
0	0	0
1,104	0	1,104
2,663	37,254	39,917
-1,675	16,352	14,677
1,964	31,392	33,356
-1,655	24,399	22,744
0	31,716	31,716
-402	0	-402
7,930	0	7,930
7,038	0	7,038
13,013	16,192	29,205
6,112	23,100	29,212
199	16,192	16,391
6,356	43,854	50,210
-9,441	22,216	12,775
30,452	0	30,452

Total Leachate Collected **865,922**
 Secondary Leachate Collected 1,931
 Total Primary Collected 863,991
 Gallons Hauled 880,315

NOTES:

Secondary Leachate Collected includes false flow from faulty flow meter. Without false flow would be 1,931, and primary collected would be 863,991

Date	Secondary Liquid Cell 1 A/B Meter Reading	Secondary Liquid Cell 1 A/B Daily Flow	Secondary Liquid Cell 1 C/D Meter Reading	Secondary Liquid Cell 1 C/D Daily Flow	Secondary Liquid Cell 2 E/F Meter Reading	Secondary Liquid Cell 2 E/F Daily Flow	Secondary Liquid Cell 2 G/H Meter Reading	Secondary Liquid Cell 2 G/H Daily Flow	Secondary Liquid Cell 3 Totalize Reading gals	Secondary Liquid Cell 3 Daily Flow gals	Secondary Liquid Cell 4A Totalizer Reading gals	Secondary Liquid Cell 4A Daily Flow gals	North Impoundment Bay Totalizer Reading gals	North Impoundment Bay Daily Flow gals	South Impoundment Bay Totalizer Reading gals	South Impoundment Bay Daily Flow gals
11/30/16	628078	0	89833	0	319301	0	188982	0	8017185	0	346509	0	8571837	0	4226403	0
12/01/16	628078	0	89833	0	319301	0	188982	0	8017288	103	346509	0	8571837	0	4226403	0
12/02/16	628078	0	89833	0	319301	0	188982	0	8017292	4	346509	0	8571837	0	4226403	0
12/03/16	628078	0	89833	0	319301	0	188982	0	8017292	0	346509	0	8571837	0	4226403	0
12/04/16	628078	0	89833	0	319301	0	188982	0	8017292	0	346509	0	8571837	0	4226403	0
12/05/16	628078	0	89833	0	319301	0	188982	0	8017292	0	346509	0	8571837	0	4226403	0
12/06/16	628078	0	89833	0	319301	0	188982	0	8017292	0	346509	0	8571837	0	4228635	0
12/07/16	628078	0	89833	0	319301	0	188982	0	8017292	0	346509	0	8571837	0	4230171	0
12/08/16	628078	0	89833	0	319301	0	189076	94	8017294	2	346509	0	8571837	0	4230171	0
12/09/16	628078	0	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4231575	0
12/10/16	628078	0	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4232609	0
12/11/16	628078	0	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4232609	0
12/12/16	628078	0	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4232609	0
12/13/16	628137	59	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4232609	0
12/14/16	628137	0	89833	0	319301	0	189076	0	8017294	0	346509	0	8571837	0	4232609	0
12/15/16	628137	0	89845	12	319301	0	189076	0	8017296	2	346510	1	8571837	0	4232609	0
12/16/16	628137	0	89845	0	319301	0	189076	0	8017296	0	346510	0	8571837	0	4232609	0
12/17/16	628137	0	89845	0	319696	395	189076	0	8017296	0	346510	0	8571837	0	4232609	0
12/18/16	628137	0	89845	0	319696	0	189076	0	8017296	0	346837	327	8571837	0	4232609	0
12/19/16	628137	0	89845	0	319696	0	189076	0	8017299	3	346837	0	8571837	0	4232609	0
12/20/16	628137	0	89845	0	319696	0	189076	0	8017299	0	346837	0	8571837	0	4232609	0
12/21/16	628137	0	89845	0	319696	0	189076	0	8017299	0	346837	0	8571837	0	4232609	0
12/22/16	628137	0	89845	0	319696	0	189076	0	8017299	0	346837	0	8571837	0	4232609	0
12/23/16	628137	0	89845	0	319696	0	189076	0	8017632	333	346838	1	8571837	0	4232609	0
12/24/16	628137	0	89845	0	319696	0	189167	91	8017632	0	346838	0	8571837	0	4232609	0
12/25/16	628137	0	89845	0	319696	0	189167	0	8017632	0	346838	0	8571837	0	4232609	0
12/26/16	628137	0	89845	0	319696	0	189167	0	8017632	0	346838	0	8571837	0	4232609	0
12/27/16	628137	0	89845	0	319696	0	189167	0	8017632	0	346838	0	8571837	0	4232609	0
12/28/16	628137	0	89845	0	319696	0	189168	1	8017750	118	346838	0	8571837	0	4232609	0
12/29/16	628195	58	89845	0	319696	0	189168	0	8017750	0	346838	0	8571837	0	4232609	0
12/30/16	628195	0	89845	0	319696	0	189168	0	8018077	327	346838	0	8571837	0	4232609	0
12/31/16	628195	0	89845	0	319696	0	189168	0	8018077	0	346838	0	8571837	0	4232609	0
A/B ALR:	0.4		C/D ALR:	0.0	E/F ALR:	1.8	G/H ALR:	1.4	Cell 3 ALR	3.0	Cell 4A ALR	1.1	N IMP Sec	0.00	S IMP Sec	0.00
Total A/B:	117.0		Total C/D:	12.0	Total E/F:	395.0	Total G/H:	186.0	Total Cell 3:	892.0	Total Cell 4A:	329.0	Total North:	0	Total South:	0

Secondary Total: 1931
Secondary Total Without false flow: 1931

NOTES:

12/6-12/10: No flow in South Impoundment Bay Secondary. Totalizer experiencing malfunction.

sRpDstGallons.rpt

Destination: All
 Site ID: All

Hyland Facility Associates

Destination Report

Transactions from 10/01/2017 through 10/31/2017
 Outbound Tickets Only
 Third Party and Intercompany Customers
 Recycle and Disposal Material
 Full Details

Ticket	Date	Truck	Trailer	In / Out	Bill Units	Cubic Yards	Tons	Gallons	Tax	Disposal Amount	Amount
BATH - STEUBEN COUNTY PUBLIC WORKS											
256280	10/2/2017	DK59		O	5,190 GAL	0.00	0.00	5,190.00	\$0.00	\$0.00	\$0.00
256330	10/3/2017	DK41		O	5,051 GAL	0.00	0.00	5,051.00	\$0.00	\$0.00	\$0.00
256443	10/4/2017	DK41		O	5,211 GAL	0.00	0.00	5,211.00	\$0.00	\$0.00	\$0.00
256527	10/5/2017	DK16		O	5,053 GAL	0.00	0.00	5,053.00	\$0.00	\$0.00	\$0.00
256600	10/6/2017	DK102		O	4,775 GAL	0.00	0.00	4,775.00	\$0.00	\$0.00	\$0.00
256803	10/10/2017	DK45		O	4,775 GAL	0.00	0.00	4,775.00	\$0.00	\$0.00	\$0.00
256875	10/11/2017	DK45		O	4,821 GAL	0.00	0.00	4,821.00	\$0.00	\$0.00	\$0.00
256959	10/12/2017	DK45		O	4,770 GAL	0.00	0.00	4,770.00	\$0.00	\$0.00	\$0.00
257048	10/13/2017	DK45		O	4,792 GAL	0.00	0.00	4,792.00	\$0.00	\$0.00	\$0.00
257131	10/16/2017	DK45		O	4,833 GAL	0.00	0.00	4,833.00	\$0.00	\$0.00	\$0.00
257239	10/17/2017	DK45		O	4,770 GAL	0.00	0.00	4,770.00	\$0.00	\$0.00	\$0.00
257310	10/18/2017	DK45		O	4,847 GAL	0.00	0.00	4,847.00	\$0.00	\$0.00	\$0.00
257382	10/19/2017	DK45		O	4,866 GAL	0.00	0.00	4,866.00	\$0.00	\$0.00	\$0.00
257455	10/20/2017	DK45		O	4,802 GAL	0.00	0.00	4,802.00	\$0.00	\$0.00	\$0.00
257551	10/23/2017	DK45		O	4,790 GAL	0.00	0.00	4,790.00	\$0.00	\$0.00	\$0.00
257627	10/24/2017	DK45		O	4,785 GAL	0.00	0.00	4,785.00	\$0.00	\$0.00	\$0.00
257778	10/26/2017	DK45		O	4,802 GAL	0.00	0.00	4,802.00	\$0.00	\$0.00	\$0.00
257846	10/27/2017	DK45		O	4,871 GAL	0.00	0.00	4,871.00	\$0.00	\$0.00	\$0.00
257952	10/30/2017	DK45		O	4,818 GAL	0.00	0.00	4,818.00	\$0.00	\$0.00	\$0.00
258030	10/31/2017	DK45		O	4,866 GAL	0.00	0.00	4,866.00	\$0.00	\$0.00	\$0.00
						0.00	0.00	97,488.00	\$0.00	\$0.00	\$0.00

BATH - STEUBEN COUNTY PUBLIC WORKS

20 tickets and 20 transactions

BWTP - OB / OUTBOUND / BELMONT

256222	10/2/2017	ME010		O	7,030 GAL	0.00	0.00	7,030.00	\$0.00	\$0.00	\$0.00
256383	10/4/2017	ME010		O	7,157 GAL	0.00	0.00	7,157.00	\$0.00	\$0.00	\$0.00
256551	10/6/2017	ME010		O	7,243 GAL	0.00	0.00	7,243.00	\$0.00	\$0.00	\$0.00

BWTP - OB / OUTBOUND / BELMONT

256651	10/9/2017	ME010		O	7,250 GAL	0.00	0.00	7,250.00	\$0.00	\$0.00	\$0.00
256820	10/11/2017	ME010		O	7,226 GAL	0.00	0.00	7,226.00	\$0.00	\$0.00	\$0.00
256970	10/13/2017	ME10		O	7,205 GAL	0.00	0.00	7,205.00	\$0.00	\$0.00	\$0.00
257086	10/16/2017	ME10		O	7,154 GAL	0.00	0.00	7,154.00	\$0.00	\$0.00	\$0.00

257247	10/18/2017	ME006	O	7,183 GAL	0.00	0.00	7,183.00	\$0.00	\$0.00	\$0.00
257394	10/20/2017	ME010	O	7,229 GAL	0.00	0.00	7,229.00	\$0.00	\$0.00	\$0.00
257495	10/23/2017	ME10	O	7,178 GAL	0.00	0.00	7,178.00	\$0.00	\$0.00	\$0.00
257635	10/25/2017	ME10	O	7,140 GAL	0.00	0.00	7,140.00	\$0.00	\$0.00	\$0.00
257782	10/27/2017	ME10	O	7,190 GAL	0.00	0.00	7,190.00	\$0.00	\$0.00	\$0.00
257892	10/30/2017	ME010	O	7,142 GAL	0.00	0.00	7,142.00	\$0.00	\$0.00	\$0.00
					0.00	0.00	93,327.00	\$0.00	\$0.00	\$0.00

BWTP - OB / OUTBOUND / BELMONT

13 tickets and 13 transactions

J - JAMESTOWN W W T P

256224	10/2/2017	DK59	O	4,823 GAL	0.00	0.00	4,823.00	\$0.00	\$0.00	\$0.00
256254	10/2/2017	DK59	O	4,950 GAL	0.00	0.00	4,950.00	\$0.00	\$0.00	\$0.00
256368	10/4/2017	DK41	O	5,058 GAL	0.00	0.00	5,058.00	\$0.00	\$0.00	\$0.00
256371	10/4/2017	MT34	O	5,482 GAL	0.00	0.00	5,482.00	\$0.00	\$0.00	\$0.00
256410	10/4/2017	DK41	O	5,108 GAL	0.00	0.00	5,108.00	\$0.00	\$0.00	\$0.00
256474	10/5/2017	DK41	O	5,012 GAL	0.00	0.00	5,012.00	\$0.00	\$0.00	\$0.00
256560	10/6/2017	DK102	O	4,802 GAL	0.00	0.00	4,802.00	\$0.00	\$0.00	\$0.00
256661	10/9/2017	MT75	O	5,657 GAL	0.00	0.00	5,657.00	\$0.00	\$0.00	\$0.00
256722	10/10/2017	DK45	O	4,670 GAL	0.00	0.00	4,670.00	\$0.00	\$0.00	\$0.00
256759	10/10/2017	DK45	O	4,826 GAL	0.00	0.00	4,826.00	\$0.00	\$0.00	\$0.00
256813	10/11/2017	DK45	O	4,682 GAL	0.00	0.00	4,682.00	\$0.00	\$0.00	\$0.00
256825	10/11/2017	MT75	O	5,532 GAL	0.00	0.00	5,532.00	\$0.00	\$0.00	\$0.00
256844	10/11/2017	DK45	O	4,773 GAL	0.00	0.00	4,773.00	\$0.00	\$0.00	\$0.00

J - JAMESTOWN W W T P

256886	10/12/2017	DK45	O	4,667 GAL	0.00	0.00	4,667.00	\$0.00	\$0.00	\$0.00
256928	10/12/2017	DK45	O	4,804 GAL	0.00	0.00	4,804.00	\$0.00	\$0.00	\$0.00
256966	10/13/2017	DK45	O	4,720 GAL	0.00	0.00	4,720.00	\$0.00	\$0.00	\$0.00
257014	10/13/2017	DK45	O	4,809 GAL	0.00	0.00	4,809.00	\$0.00	\$0.00	\$0.00
257098	10/16/2017	DK45	O	4,790 GAL	0.00	0.00	4,790.00	\$0.00	\$0.00	\$0.00
257162	10/17/2017	DK45	O	4,675 GAL	0.00	0.00	4,675.00	\$0.00	\$0.00	\$0.00
257208	10/17/2017	DK45	O	4,804 GAL	0.00	0.00	4,804.00	\$0.00	\$0.00	\$0.00
257253	10/18/2017	DK45	O	4,751 GAL	0.00	0.00	4,751.00	\$0.00	\$0.00	\$0.00
257272	10/18/2017	MT001	O	7,236 GAL	0.00	0.00	7,236.00	\$0.00	\$0.00	\$0.00
257283	10/18/2017	DK45	O	4,883 GAL	0.00	0.00	4,883.00	\$0.00	\$0.00	\$0.00
257323	10/19/2017	DK45	O	4,782 GAL	0.00	0.00	4,782.00	\$0.00	\$0.00	\$0.00
257349	10/19/2017	DK45	O	4,775 GAL	0.00	0.00	4,775.00	\$0.00	\$0.00	\$0.00
257386	10/20/2017	DK45	O	4,703 GAL	0.00	0.00	4,703.00	\$0.00	\$0.00	\$0.00
257427	10/20/2017	DK45	O	4,821 GAL	0.00	0.00	4,821.00	\$0.00	\$0.00	\$0.00
257501	10/23/2017	DK45	O	4,651 GAL	0.00	0.00	4,651.00	\$0.00	\$0.00	\$0.00
257528	10/23/2017	DK45	O	4,909 GAL	0.00	0.00	4,909.00	\$0.00	\$0.00	\$0.00
257555	10/24/2017	DK45	O	4,737 GAL	0.00	0.00	4,737.00	\$0.00	\$0.00	\$0.00
257594	10/24/2017	DK45	O	4,785 GAL	0.00	0.00	4,785.00	\$0.00	\$0.00	\$0.00
257632	10/25/2017	DK45	O	4,826 GAL	0.00	0.00	4,826.00	\$0.00	\$0.00	\$0.00
257667	10/25/2017	DK45	O	4,811 GAL	0.00	0.00	4,811.00	\$0.00	\$0.00	\$0.00
257707	10/26/2017	DK45	O	4,708 GAL	0.00	0.00	4,708.00	\$0.00	\$0.00	\$0.00
257747	10/26/2017	DK45	O	4,766 GAL	0.00	0.00	4,766.00	\$0.00	\$0.00	\$0.00
257784	10/27/2017	DK45	O	4,725 GAL	0.00	0.00	4,725.00	\$0.00	\$0.00	\$0.00
257815	10/27/2017	DK45	O	4,818 GAL	0.00	0.00	4,818.00	\$0.00	\$0.00	\$0.00
257894	10/30/2017	DK45	O	4,756 GAL	0.00	0.00	4,756.00	\$0.00	\$0.00	\$0.00

257923	10/30/2017	DK45	O	4,907 GAL	0.00	0.00	4,907.00	\$0.00	\$0.00	\$0.00
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J - JAMESTOWN W W T P

257947	10/30/2017	ME010	O	7,176 GAL	0.00	0.00	7,176.00	\$0.00	\$0.00	\$0.00
257955	10/31/2017	DK45	O	4,679 GAL	0.00	0.00	4,679.00	\$0.00	\$0.00	\$0.00
257961	10/31/2017	MT75	O	5,583 GAL	0.00	0.00	5,583.00	\$0.00	\$0.00	\$0.00
257962	10/31/2017	MT4	O	5,992 GAL	0.00	0.00	5,992.00	\$0.00	\$0.00	\$0.00
257997	10/31/2017	DK45	O	4,584 GAL	0.00	0.00	4,584.00	\$0.00	\$0.00	\$0.00
258014	10/31/2017	ME010	O	7,018 GAL	0.00	0.00	7,018.00	\$0.00	\$0.00	\$0.00

J - JAMESTOWN W W T P

45 tickets and 45 transactions

0.00	0.00	227,026.00	\$0.00	\$0.00	\$0.00
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WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

256212	10/2/2017	ME010	O	6,975 GAL	0.00	0.00	6,975.00	\$0.00	\$0.00	\$0.00
256236	10/2/2017	ME010	O	7,130 GAL	0.00	0.00	7,130.00	\$0.00	\$0.00	\$0.00
256256	10/2/2017	ME001	O	7,207 GAL	0.00	0.00	7,207.00	\$0.00	\$0.00	\$0.00
256282	10/3/2017	ME010	O	7,315 GAL	0.00	0.00	7,315.00	\$0.00	\$0.00	\$0.00
256305	10/3/2017	ME010	O	7,202 GAL	0.00	0.00	7,202.00	\$0.00	\$0.00	\$0.00
256326	10/3/2017	ME010	O	7,154 GAL	0.00	0.00	7,154.00	\$0.00	\$0.00	\$0.00
256363	10/4/2017	ME001	O	7,107 GAL	0.00	0.00	7,107.00	\$0.00	\$0.00	\$0.00
256399	10/4/2017	ME010	O	7,198 GAL	0.00	0.00	7,198.00	\$0.00	\$0.00	\$0.00
256417	10/4/2017	ME010	O	7,207 GAL	0.00	0.00	7,207.00	\$0.00	\$0.00	\$0.00
256457	10/5/2017	ME10	O	7,231 GAL	0.00	0.00	7,231.00	\$0.00	\$0.00	\$0.00
256460	10/5/2017	ME010	O	7,246 GAL	0.00	0.00	7,246.00	\$0.00	\$0.00	\$0.00
256486	10/5/2017	ME010	O	7,212 GAL	0.00	0.00	7,212.00	\$0.00	\$0.00	\$0.00
256549	10/6/2017	ME001	O	7,202 GAL	0.00	0.00	7,202.00	\$0.00	\$0.00	\$0.00
256567	10/6/2017	ME010	O	7,212 GAL	0.00	0.00	7,212.00	\$0.00	\$0.00	\$0.00
256596	10/6/2017	ME010	O	7,183 GAL	0.00	0.00	7,183.00	\$0.00	\$0.00	\$0.00
256650	10/9/2017	ME010	O	7,238 GAL	0.00	0.00	7,238.00	\$0.00	\$0.00	\$0.00
256673	10/9/2017	ME010	O	7,217 GAL	0.00	0.00	7,217.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

256693	10/9/2017	ME010	O	7,195 GAL	0.00	0.00	7,195.00	\$0.00	\$0.00	\$0.00
256701	10/9/2017	ME010	O	7,212 GAL	0.00	0.00	7,212.00	\$0.00	\$0.00	\$0.00
256733	10/10/2017	ME010	O	7,229 GAL	0.00	0.00	7,229.00	\$0.00	\$0.00	\$0.00
256753	10/10/2017	ME010	O	7,222 GAL	0.00	0.00	7,222.00	\$0.00	\$0.00	\$0.00
256831	10/11/2017	ME010	O	7,190 GAL	0.00	0.00	7,190.00	\$0.00	\$0.00	\$0.00
256848	10/11/2017	ME010	O	7,159 GAL	0.00	0.00	7,159.00	\$0.00	\$0.00	\$0.00
256891	10/12/2017	ME001	O	7,198 GAL	0.00	0.00	7,198.00	\$0.00	\$0.00	\$0.00
256897	10/12/2017	ME010	O	7,222 GAL	0.00	0.00	7,222.00	\$0.00	\$0.00	\$0.00
256976	10/13/2017	ME010	O	7,176 GAL	0.00	0.00	7,176.00	\$0.00	\$0.00	\$0.00
257002	10/13/2017	ME010	O	7,212 GAL	0.00	0.00	7,212.00	\$0.00	\$0.00	\$0.00
257088	10/16/2017	ME010	O	7,171 GAL	0.00	0.00	7,171.00	\$0.00	\$0.00	\$0.00
257116	10/16/2017	ME010	O	7,224 GAL	0.00	0.00	7,224.00	\$0.00	\$0.00	\$0.00
257179	10/17/2017	ME10	O	7,200 GAL	0.00	0.00	7,200.00	\$0.00	\$0.00	\$0.00
257185	10/17/2017	ME010	O	7,217 GAL	0.00	0.00	7,217.00	\$0.00	\$0.00	\$0.00
257261	10/18/2017	ME010	O	7,157 GAL	0.00	0.00	7,157.00	\$0.00	\$0.00	\$0.00
257278	10/18/2017	ME001	O	7,205 GAL	0.00	0.00	7,205.00	\$0.00	\$0.00	\$0.00
257332	10/19/2017	ME001	O	7,178 GAL	0.00	0.00	7,178.00	\$0.00	\$0.00	\$0.00
257345	10/19/2017	ME010	O	7,198 GAL	0.00	0.00	7,198.00	\$0.00	\$0.00	\$0.00
257405	10/20/2017	ME010	O	7,212 GAL	0.00	0.00	7,212.00	\$0.00	\$0.00	\$0.00

257431	10/20/2017	ME010	O	7,231 GAL	0.00	0.00	7,231.00	\$0.00	\$0.00	\$0.00
257498	10/23/2017	ME010	O	7,164 GAL	0.00	0.00	7,164.00	\$0.00	\$0.00	\$0.00
257513	10/23/2017	ME010	O	7,219 GAL	0.00	0.00	7,219.00	\$0.00	\$0.00	\$0.00
257562	10/24/2017	ME001	O	7,222 GAL	0.00	0.00	7,222.00	\$0.00	\$0.00	\$0.00
257571	10/24/2017	ME010	O	7,178 GAL	0.00	0.00	7,178.00	\$0.00	\$0.00	\$0.00
257590	10/24/2017	ME010	O	7,214 GAL	0.00	0.00	7,214.00	\$0.00	\$0.00	\$0.00
257638	10/25/2017	ME010	O	7,198 GAL	0.00	0.00	7,198.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

257654	10/25/2017	ME010	O	7,162 GAL	0.00	0.00	7,162.00	\$0.00	\$0.00	\$0.00
257675	10/25/2017	ME010	O	7,159 GAL	0.00	0.00	7,159.00	\$0.00	\$0.00	\$0.00
257704	10/26/2017	ME010	O	7,289 GAL	0.00	0.00	7,289.00	\$0.00	\$0.00	\$0.00
257727	10/26/2017	ME010	O	7,202 GAL	0.00	0.00	7,202.00	\$0.00	\$0.00	\$0.00
257750	10/26/2017	ME010	O	7,195 GAL	0.00	0.00	7,195.00	\$0.00	\$0.00	\$0.00
257789	10/27/2017	ME010	O	7,202 GAL	0.00	0.00	7,202.00	\$0.00	\$0.00	\$0.00
257806	10/27/2017	ME010	O	7,188 GAL	0.00	0.00	7,188.00	\$0.00	\$0.00	\$0.00
257823	10/27/2017	ME010	O	7,145 GAL	0.00	0.00	7,145.00	\$0.00	\$0.00	\$0.00
257891	10/30/2017	ME010	O	7,183 GAL	0.00	0.00	7,183.00	\$0.00	\$0.00	\$0.00
257914	10/30/2017	ME010	O	7,147 GAL	0.00	0.00	7,147.00	\$0.00	\$0.00	\$0.00
257928	10/30/2017	ME010	O	7,183 GAL	0.00	0.00	7,183.00	\$0.00	\$0.00	\$0.00
257967	10/31/2017	ME10	O	7,195 GAL	0.00	0.00	7,195.00	\$0.00	\$0.00	\$0.00
257969	10/31/2017	ME010	O	7,133 GAL	0.00	0.00	7,133.00	\$0.00	\$0.00	\$0.00
257993	10/31/2017	ME010	O	7,157 GAL	0.00	0.00	7,157.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM

57 tickets and 57 transactions

				0.00	0.00	409,979.00	\$0.00	\$0.00	\$0.00	\$0.00

Report Grand Totals

135 tickets and 135 transactions

				0.00	0.00	827,820.00	\$0.00	\$0.00	\$0.00	\$0.00

End of Report

sRpDstGallons.rpt

Hyland Facility Associates

Destination Report

Destination: All
 Site ID: All

Transactions from 11/01/2017 through 11/30/2017
 Outbound Tickets Only
 Third Party and Intercompany Customers
 Recycle and Disposal Material
 Full Details

Ticket	Date	Truck	Trailer	In / Out	Bill Units	Cubic Yards	Tons	Gallons	Tax	Disposal Amount	Amount
BATH - STEUBEN COUNTY PUBLIC WORKS											
258098	11/1/2017	DK45		O	4,873 GAL	0.00	0.00	4,873.00	\$0.00	\$0.00	\$0.00
258164	11/2/2017	DK45		O	4,763 GAL	0.00	0.00	4,763.00	\$0.00	\$0.00	\$0.00
258191	11/3/2017	DK45		O	4,902 GAL	0.00	0.00	4,902.00	\$0.00	\$0.00	\$0.00
258253	11/3/2017	DK052		O	5,477 GAL	0.00	0.00	5,477.00	\$0.00	\$0.00	\$0.00
258348	11/6/2017	DK45		O	4,838 GAL	0.00	0.00	4,838.00	\$0.00	\$0.00	\$0.00
258446	11/7/2017	DK52		O	4,804 GAL	0.00	0.00	4,804.00	\$0.00	\$0.00	\$0.00
258539	11/8/2017	DK45		O	4,778 GAL	0.00	0.00	4,778.00	\$0.00	\$0.00	\$0.00
258629	11/9/2017	DK45		O	4,782 GAL	0.00	0.00	4,782.00	\$0.00	\$0.00	\$0.00
258630	11/9/2017	DK52		O	5,293 GAL	0.00	0.00	5,293.00	\$0.00	\$0.00	\$0.00
258705	11/10/2017	DK52		O	4,758 GAL	0.00	0.00	4,758.00	\$0.00	\$0.00	\$0.00
258814	11/13/2017	DK45		O	4,802 GAL	0.00	0.00	4,802.00	\$0.00	\$0.00	\$0.00
258899	11/14/2017	DK45		O	4,809 GAL	0.00	0.00	4,809.00	\$0.00	\$0.00	\$0.00
259142	11/17/2017	DK45		O	4,854 GAL	0.00	0.00	4,854.00	\$0.00	\$0.00	\$0.00
259330	11/21/2017	DK41		O	5,851 GAL	0.00	0.00	5,851.00	\$0.00	\$0.00	\$0.00
259403	11/22/2017	DK45		O	5,928 GAL	0.00	0.00	5,928.00	\$0.00	\$0.00	\$0.00
259437	11/22/2017	DK45		O	5,966 GAL	0.00	0.00	5,966.00	\$0.00	\$0.00	\$0.00
259537	11/24/2017	DK41		O	5,990 GAL	0.00	0.00	5,990.00	\$0.00	\$0.00	\$0.00
259624	11/27/2017	DK41		O	5,952 GAL	0.00	0.00	5,952.00	\$0.00	\$0.00	\$0.00
259699	11/27/2017	DK41		O	4,809 GAL	0.00	0.00	4,809.00	\$0.00	\$0.00	\$0.00
259912	11/29/2017	DK41		O	4,881 GAL	0.00	0.00	4,881.00	\$0.00	\$0.00	\$0.00
260033	11/30/2017	DK41		O	4,845 GAL	0.00	0.00	4,845.00	\$0.00	\$0.00	\$0.00
					BATH - STEUBEN COUNTY PUBLIC WORKS	0.00	0.00	107,955.00	\$0.00	\$0.00	\$0.00

21 tickets and 21 transactions

BWTP - OB / OUTBOUND / BELMONT

258034	11/1/2017	ME10		O	6,980 GAL	0.00	0.00	6,980.00	\$0.00	\$0.00	\$0.00
258180	11/3/2017	ME10		O	6,948 GAL	0.00	0.00	6,948.00	\$0.00	\$0.00	\$0.00

BWTP - OB / OUTBOUND / BELMONT

258299	11/6/2017	ME1		O	6,817 GAL	0.00	0.00	6,817.00	\$0.00	\$0.00	\$0.00
258457	11/8/2017	ME01		O	7,152 GAL	0.00	0.00	7,152.00	\$0.00	\$0.00	\$0.00
258634	11/10/2017	ME01		O	7,104 GAL	0.00	0.00	7,104.00	\$0.00	\$0.00	\$0.00

258743	11/13/2017	ME006	O	6,824 GAL	0.00	0.00	6,824.00	\$0.00	\$0.00	\$0.00
258917	11/15/2017	ME006	O	7,013 GAL	0.00	0.00	7,013.00	\$0.00	\$0.00	\$0.00
259074	11/17/2017	ME010	O	7,224 GAL	0.00	0.00	7,224.00	\$0.00	\$0.00	\$0.00
259185	11/20/2017	ME01	O	7,087 GAL	0.00	0.00	7,087.00	\$0.00	\$0.00	\$0.00
259366	11/22/2017	ME102	O	7,061 GAL	0.00	0.00	7,061.00	\$0.00	\$0.00	\$0.00
259468	11/24/2017	ME006	O	6,836 GAL	0.00	0.00	6,836.00	\$0.00	\$0.00	\$0.00
259610	11/27/2017	ME006	O	6,891 GAL	0.00	0.00	6,891.00	\$0.00	\$0.00	\$0.00
259856	11/29/2017	ME006	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
BWTP - OB / OUTBOUND / BELMONT					0.00	0.00	91,017.00	\$0.00	\$0.00	\$0.00

13 tickets and 13 transactions

J - JAMESTOWN W W T P

258040	11/1/2017	DK45	O	4,790 GAL	0.00	0.00	4,790.00	\$0.00	\$0.00	\$0.00
258066	11/1/2017	DK45	O	4,780 GAL	0.00	0.00	4,780.00	\$0.00	\$0.00	\$0.00
258084	11/1/2017	ME010	O	7,154 GAL	0.00	0.00	7,154.00	\$0.00	\$0.00	\$0.00
258131	11/2/2017	DK45	O	4,651 GAL	0.00	0.00	4,651.00	\$0.00	\$0.00	\$0.00
258143	11/2/2017	ME010	O	7,085 GAL	0.00	0.00	7,085.00	\$0.00	\$0.00	\$0.00
258176	11/2/2017	ME010	O	7,166 GAL	0.00	0.00	7,166.00	\$0.00	\$0.00	\$0.00
258318	11/6/2017	DK45	O	4,696 GAL	0.00	0.00	4,696.00	\$0.00	\$0.00	\$0.00
258373	11/7/2017	DK45	O	4,754 GAL	0.00	0.00	4,754.00	\$0.00	\$0.00	\$0.00
258409	11/7/2017	DK45	O	4,665 GAL	0.00	0.00	4,665.00	\$0.00	\$0.00	\$0.00
258462	11/8/2017	DK45	O	4,713 GAL	0.00	0.00	4,713.00	\$0.00	\$0.00	\$0.00
258501	11/8/2017	DK45	O	4,900 GAL	0.00	0.00	4,900.00	\$0.00	\$0.00	\$0.00
258548	11/9/2017	DK45	O	4,727 GAL	0.00	0.00	4,727.00	\$0.00	\$0.00	\$0.00

J - JAMESTOWN W W T P

258594	11/9/2017	DK45	O	4,732 GAL	0.00	0.00	4,732.00	\$0.00	\$0.00	\$0.00
258643	11/10/2017	DK45	O	4,792 GAL	0.00	0.00	4,792.00	\$0.00	\$0.00	\$0.00
258685	11/10/2017	DK45	O	4,806 GAL	0.00	0.00	4,806.00	\$0.00	\$0.00	\$0.00
258781	11/13/2017	DK45	O	4,677 GAL	0.00	0.00	4,677.00	\$0.00	\$0.00	\$0.00
258824	11/14/2017	DK45	O	4,706 GAL	0.00	0.00	4,706.00	\$0.00	\$0.00	\$0.00
258861	11/14/2017	DK45	O	4,797 GAL	0.00	0.00	4,797.00	\$0.00	\$0.00	\$0.00
259106	11/17/2017	DK45	O	4,818 GAL	0.00	0.00	4,818.00	\$0.00	\$0.00	\$0.00
259187	11/20/2017	DK41	O	6,021 GAL	0.00	0.00	6,021.00	\$0.00	\$0.00	\$0.00
259256	11/21/2017	DK41	O	6,148 GAL	0.00	0.00	6,148.00	\$0.00	\$0.00	\$0.00
259360	11/22/2017	DK45	O	5,921 GAL	0.00	0.00	5,921.00	\$0.00	\$0.00	\$0.00
259461	11/24/2017	DK45	O	5,976 GAL	0.00	0.00	5,976.00	\$0.00	\$0.00	\$0.00
259505	11/24/2017	DK41	O	5,932 GAL	0.00	0.00	5,932.00	\$0.00	\$0.00	\$0.00
259666	11/27/2017	DK41	O	5,930 GAL	0.00	0.00	5,930.00	\$0.00	\$0.00	\$0.00
259702	11/28/2017	DK41	O	4,888 GAL	0.00	0.00	4,888.00	\$0.00	\$0.00	\$0.00
259756	11/28/2017	DK41	O	4,833 GAL	0.00	0.00	4,833.00	\$0.00	\$0.00	\$0.00
259813	11/29/2017	DK41	O	4,885 GAL	0.00	0.00	4,885.00	\$0.00	\$0.00	\$0.00
259872	11/29/2017	DK41	O	4,797 GAL	0.00	0.00	4,797.00	\$0.00	\$0.00	\$0.00
259929	11/30/2017	DK41	O	4,967 GAL	0.00	0.00	4,967.00	\$0.00	\$0.00	\$0.00
259989	11/30/2017	DK41	O	4,833 GAL	0.00	0.00	4,833.00	\$0.00	\$0.00	\$0.00
J - JAMESTOWN W W T P					0.00	0.00	162,540.00	\$0.00	\$0.00	\$0.00

31 tickets and 31 transactions

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

258035	11/1/2017	ME010	O	6,992 GAL	0.00	0.00	6,992.00	\$0.00	\$0.00	\$0.00
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258051	11/1/2017	ME001	O	6,996 GAL	0.00	0.00	6,996.00	\$0.00	\$0.00	\$0.00
258068	11/1/2017	ME010	O	7,004 GAL	0.00	0.00	7,004.00	\$0.00	\$0.00	\$0.00
258114	11/2/2017	ME010	O	7,140 GAL	0.00	0.00	7,140.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

258122	11/2/2017	ME010	O	7,147 GAL	0.00	0.00	7,147.00	\$0.00	\$0.00	\$0.00
258186	11/3/2017	ME010	O	6,941 GAL	0.00	0.00	6,941.00	\$0.00	\$0.00	\$0.00
258204	11/3/2017	DK052	O	5,405 GAL	0.00	0.00	5,405.00	\$0.00	\$0.00	\$0.00
258209	11/3/2017	ME010	O	7,056 GAL	0.00	0.00	7,056.00	\$0.00	\$0.00	\$0.00
258218	11/3/2017	DK052	O	5,010 GAL	0.00	0.00	5,010.00	\$0.00	\$0.00	\$0.00
258238	11/3/2017	DK052	O	4,869 GAL	0.00	0.00	4,869.00	\$0.00	\$0.00	\$0.00
258245	11/3/2017	ME001	O	7,111 GAL	0.00	0.00	7,111.00	\$0.00	\$0.00	\$0.00
258300	11/6/2017	ME001	O	6,857 GAL	0.00	0.00	6,857.00	\$0.00	\$0.00	\$0.00
258323	11/6/2017	ME001	O	7,095 GAL	0.00	0.00	7,095.00	\$0.00	\$0.00	\$0.00
258340	11/6/2017	ME001	O	7,099 GAL	0.00	0.00	7,099.00	\$0.00	\$0.00	\$0.00
258353	11/6/2017	ME001	O	6,922 GAL	0.00	0.00	6,922.00	\$0.00	\$0.00	\$0.00
258379	11/7/2017	ME001	O	7,025 GAL	0.00	0.00	7,025.00	\$0.00	\$0.00	\$0.00
258384	11/7/2017	ME102	O	7,083 GAL	0.00	0.00	7,083.00	\$0.00	\$0.00	\$0.00
258402	11/7/2017	ME001	O	7,054 GAL	0.00	0.00	7,054.00	\$0.00	\$0.00	\$0.00
258422	11/7/2017	ME001	O	7,051 GAL	0.00	0.00	7,051.00	\$0.00	\$0.00	\$0.00
258469	11/8/2017	ME001	O	6,843 GAL	0.00	0.00	6,843.00	\$0.00	\$0.00	\$0.00
258492	11/8/2017	ME001	O	7,097 GAL	0.00	0.00	7,097.00	\$0.00	\$0.00	\$0.00
258513	11/8/2017	ME001	O	7,099 GAL	0.00	0.00	7,099.00	\$0.00	\$0.00	\$0.00
258551	11/9/2017	ME001	O	7,116 GAL	0.00	0.00	7,116.00	\$0.00	\$0.00	\$0.00
258558	11/9/2017	ME001	O	7,061 GAL	0.00	0.00	7,061.00	\$0.00	\$0.00	\$0.00
258561	11/9/2017	DK58	O	5,185 GAL	0.00	0.00	5,185.00	\$0.00	\$0.00	\$0.00
258580	11/9/2017	ME001	O	7,133 GAL	0.00	0.00	7,133.00	\$0.00	\$0.00	\$0.00
258582	11/9/2017	DK52	O	5,137 GAL	0.00	0.00	5,137.00	\$0.00	\$0.00	\$0.00
258600	11/9/2017	DK52	O	5,453 GAL	0.00	0.00	5,453.00	\$0.00	\$0.00	\$0.00
258614	11/9/2017	DK 52	O	5,163 GAL	0.00	0.00	5,163.00	\$0.00	\$0.00	\$0.00
258650	11/10/2017	ME001	O	7,013 GAL	0.00	0.00	7,013.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

258671	11/10/2017	ME001	O	7,042 GAL	0.00	0.00	7,042.00	\$0.00	\$0.00	\$0.00
258745	11/13/2017	ME001	O	6,836 GAL	0.00	0.00	6,836.00	\$0.00	\$0.00	\$0.00
258773	11/13/2017	ME010	O	7,061 GAL	0.00	0.00	7,061.00	\$0.00	\$0.00	\$0.00
258791	11/13/2017	ME010	O	7,087 GAL	0.00	0.00	7,087.00	\$0.00	\$0.00	\$0.00
258832	11/14/2017	ME006	O	7,095 GAL	0.00	0.00	7,095.00	\$0.00	\$0.00	\$0.00
258837	11/14/2017	ME001	O	7,152 GAL	0.00	0.00	7,152.00	\$0.00	\$0.00	\$0.00
258855	11/14/2017	ME001	O	7,135 GAL	0.00	0.00	7,135.00	\$0.00	\$0.00	\$0.00
258874	11/14/2017	ME001	O	7,085 GAL	0.00	0.00	7,085.00	\$0.00	\$0.00	\$0.00
258918	11/15/2017	ME001	O	7,006 GAL	0.00	0.00	7,006.00	\$0.00	\$0.00	\$0.00
258943	11/15/2017	ME001	O	7,099 GAL	0.00	0.00	7,099.00	\$0.00	\$0.00	\$0.00
258963	11/15/2017	ME001	O	7,123 GAL	0.00	0.00	7,123.00	\$0.00	\$0.00	\$0.00
258992	11/16/2017	ME001	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
259000	11/16/2017	ME01	O	7,104 GAL	0.00	0.00	7,104.00	\$0.00	\$0.00	\$0.00
259018	11/16/2017	ME001	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
259034	11/16/2017	ME001	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
259073	11/17/2017	ME102	O	7,186 GAL	0.00	0.00	7,186.00	\$0.00	\$0.00	\$0.00
259091	11/17/2017	ME010	O	7,006 GAL	0.00	0.00	7,006.00	\$0.00	\$0.00	\$0.00
259113	11/17/2017	ME010	O	7,190 GAL	0.00	0.00	7,190.00	\$0.00	\$0.00	\$0.00

259117	11/17/2017	ME102	O	7,073 GAL	0.00	0.00	7,073.00	\$0.00	\$0.00	\$0.00
259198	11/20/2017	ME001	O	7,059 GAL	0.00	0.00	7,059.00	\$0.00	\$0.00	\$0.00
259217	11/20/2017	ME01	O	7,044 GAL	0.00	0.00	7,044.00	\$0.00	\$0.00	\$0.00
259223	11/20/2017	ME102	O	6,992 GAL	0.00	0.00	6,992.00	\$0.00	\$0.00	\$0.00
259280	11/21/2017	ME010	O	7,147 GAL	0.00	0.00	7,147.00	\$0.00	\$0.00	\$0.00
259308	11/21/2017	ME001	O	7,109 GAL	0.00	0.00	7,109.00	\$0.00	\$0.00	\$0.00
259328	11/21/2017	ME001	O	7,152 GAL	0.00	0.00	7,152.00	\$0.00	\$0.00	\$0.00
259335	11/21/2017	ME010	O	7,162 GAL	0.00	0.00	7,162.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

259371	11/22/2017	ME102	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
259395	11/22/2017	ME0102	O	7,104 GAL	0.00	0.00	7,104.00	\$0.00	\$0.00	\$0.00
259419	11/22/2017	ME001	O	7,083 GAL	0.00	0.00	7,083.00	\$0.00	\$0.00	\$0.00
259422	11/22/2017	ME102	O	7,090 GAL	0.00	0.00	7,090.00	\$0.00	\$0.00	\$0.00
259470	11/24/2017	ME001	O	7,205 GAL	0.00	0.00	7,205.00	\$0.00	\$0.00	\$0.00
259471	11/24/2017	ME010	O	7,210 GAL	0.00	0.00	7,210.00	\$0.00	\$0.00	\$0.00
259477	11/24/2017	ME1	O	6,912 GAL	0.00	0.00	6,912.00	\$0.00	\$0.00	\$0.00
259496	11/24/2017	ME010	O	7,229 GAL	0.00	0.00	7,229.00	\$0.00	\$0.00	\$0.00
259613	11/27/2017	ME001	O	6,912 GAL	0.00	0.00	6,912.00	\$0.00	\$0.00	\$0.00
259643	11/27/2017	ME001	O	7,102 GAL	0.00	0.00	7,102.00	\$0.00	\$0.00	\$0.00
259661	11/27/2017	ME001	O	7,114 GAL	0.00	0.00	7,114.00	\$0.00	\$0.00	\$0.00
259680	11/27/2017	ME001	O	7,078 GAL	0.00	0.00	7,078.00	\$0.00	\$0.00	\$0.00
259713	11/28/2017	ME001	O	7,152 GAL	0.00	0.00	7,152.00	\$0.00	\$0.00	\$0.00
259721	11/28/2017	ME01	O	7,126 GAL	0.00	0.00	7,126.00	\$0.00	\$0.00	\$0.00
259749	11/28/2017	ME001	O	7,032 GAL	0.00	0.00	7,032.00	\$0.00	\$0.00	\$0.00
259779	11/28/2017	ME001	O	7,102 GAL	0.00	0.00	7,102.00	\$0.00	\$0.00	\$0.00
259818	11/29/2017	ME01	O	6,915 GAL	0.00	0.00	6,915.00	\$0.00	\$0.00	\$0.00
259855	11/29/2017	ME001	O	7,164 GAL	0.00	0.00	7,164.00	\$0.00	\$0.00	\$0.00
259887	11/29/2017	ME102	O	7,138 GAL	0.00	0.00	7,138.00	\$0.00	\$0.00	\$0.00
259908	11/29/2017	ME001	O	7,051 GAL	0.00	0.00	7,051.00	\$0.00	\$0.00	\$0.00
259943	11/30/2017	ME001	O	7,071 GAL	0.00	0.00	7,071.00	\$0.00	\$0.00	\$0.00
259953	11/30/2017	ME1	O	7,107 GAL	0.00	0.00	7,107.00	\$0.00	\$0.00	\$0.00
259982	11/30/2017	ME001	O	7,154 GAL	0.00	0.00	7,154.00	\$0.00	\$0.00	\$0.00
260012	11/30/2017	ME001	O	7,114 GAL	0.00	0.00	7,114.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM

80 tickets and 80 transactions

0.00	0.00	552,587.00	\$0.00	\$0.00	\$0.00
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Report Grand Totals

145 tickets and 145 transactions

0.00	0.00	914,099.00	\$0.00	\$0.00	\$0.00
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End of Report

sRpDstGallons.rpt

Destination: All
 Site ID: All

Hyland Facility Associates
Destination Report

Transactions from 12/01/2017 through 12/31/2017
 Outbound Tickets Only
 Third Party and Intercompany Customers
 Recycle and Disposal Material
 Full Details

Ticket	Date	Truck	Trailer	In / Out	Bill Units	Cubic Yards	Tons	Gallons	Tax	Disposal Amount	Amount
BATH - STEUBEN COUNTY PUBLIC WORKS											
260110	12/1/2017	DK41		O	4,847 GAL	0.00	0.00	4,847.00	\$0.00	\$0.00	\$0.00
260287	12/4/2017	DK41		O	4,833 GAL	0.00	0.00	4,833.00	\$0.00	\$0.00	\$0.00
260392	12/5/2017	DK41		O	4,861 GAL	0.00	0.00	4,861.00	\$0.00	\$0.00	\$0.00
260506	12/6/2017	DK41		O	4,826 GAL	0.00	0.00	4,826.00	\$0.00	\$0.00	\$0.00
260606	12/7/2017	DK2059		O	7,032 GAL	0.00	0.00	7,032.00	\$0.00	\$0.00	\$0.00
260678	12/8/2017	DK2049		O	7,006 GAL	0.00	0.00	7,006.00	\$0.00	\$0.00	\$0.00
260838	12/11/2017	DK2049		O	7,032 GAL	0.00	0.00	7,032.00	\$0.00	\$0.00	\$0.00
					0.00	0.00	40,437.00	\$0.00	\$0.00	\$0.00	
BATH - STEUBEN COUNTY PUBLIC WORKS											
<i>7 tickets and 7 transactions</i>											
BWTP - OB / OUTBOUND / BELMONT											
260057	12/1/2017	ME006		O	6,872 GAL	0.00	0.00	6,872.00	\$0.00	\$0.00	\$0.00
260210	12/4/2017	ME006		O	7,068 GAL	0.00	0.00	7,068.00	\$0.00	\$0.00	\$0.00
260422	12/6/2017	ME010		O	7,051 GAL	0.00	0.00	7,051.00	\$0.00	\$0.00	\$0.00
260632	12/8/2017	ME010		O	7,130 GAL	0.00	0.00	7,130.00	\$0.00	\$0.00	\$0.00
260771	12/11/2017	ME015		O	7,114 GAL	0.00	0.00	7,114.00	\$0.00	\$0.00	\$0.00
260948	12/13/2017	ME015		O	7,104 GAL	0.00	0.00	7,104.00	\$0.00	\$0.00	\$0.00
261121	12/15/2017	ME010		O	6,891 GAL	0.00	0.00	6,891.00	\$0.00	\$0.00	\$0.00
261227	12/18/2017	ME015		O	6,980 GAL	0.00	0.00	6,980.00	\$0.00	\$0.00	\$0.00
261410	12/20/2017	ME015		O	7,090 GAL	0.00	0.00	7,090.00	\$0.00	\$0.00	\$0.00
261633	12/22/2017	ME010		O	7,025 GAL	0.00	0.00	7,025.00	\$0.00	\$0.00	\$0.00
261777	12/27/2017	ME010		O	6,958 GAL	0.00	0.00	6,958.00	\$0.00	\$0.00	\$0.00
261916	12/29/2017	ME010		O	6,785 GAL	0.00	0.00	6,785.00	\$0.00	\$0.00	\$0.00
					0.00	0.00	84,068.00	\$0.00	\$0.00	\$0.00	
BWTP - OB / OUTBOUND / BELMONT											
<i>12 tickets and 12 transactions</i>											
J - JAMESTOWN W W T P											
J - JAMESTOWN W W T P											
260052	12/1/2017	DK41		O	4,792 GAL	0.00	0.00	4,792.00	\$0.00	\$0.00	\$0.00
260208	12/4/2017	DK41		O	4,888 GAL	0.00	0.00	4,888.00	\$0.00	\$0.00	\$0.00
260219	12/4/2017	MT14		O	7,871 GAL	0.00	0.00	7,871.00	\$0.00	\$0.00	\$0.00

260257	12/4/2017	DK41	O	4,881 GAL	0.00	0.00	4,881.00	\$0.00	\$0.00	\$0.00
260276	12/4/2017	MT14	O	7,964 GAL	0.00	0.00	7,964.00	\$0.00	\$0.00	\$0.00
260307	12/5/2017	MT14	O	7,986 GAL	0.00	0.00	7,986.00	\$0.00	\$0.00	\$0.00
260343	12/5/2017	DK041	O	4,833 GAL	0.00	0.00	4,833.00	\$0.00	\$0.00	\$0.00
260348	12/5/2017	DK41	O	4,842 GAL	0.00	0.00	4,842.00	\$0.00	\$0.00	\$0.00
260366	12/5/2017	MT14	O	7,948 GAL	0.00	0.00	7,948.00	\$0.00	\$0.00	\$0.00
260413	12/5/2017	ME14	O	7,991 GAL	0.00	0.00	7,991.00	\$0.00	\$0.00	\$0.00
260454	12/6/2017	MT14	O	8,055 GAL	0.00	0.00	8,055.00	\$0.00	\$0.00	\$0.00
260459	12/6/2017	DK41	O	4,835 GAL	0.00	0.00	4,835.00	\$0.00	\$0.00	\$0.00
260465	12/6/2017	DK41	O	4,816 GAL	0.00	0.00	4,816.00	\$0.00	\$0.00	\$0.00
260503	12/6/2017	MT14	O	8,046 GAL	0.00	0.00	8,046.00	\$0.00	\$0.00	\$0.00
260526	12/7/2017	DK52	O	6,956 GAL	0.00	0.00	6,956.00	\$0.00	\$0.00	\$0.00
260536	12/7/2017	MT14	O	8,067 GAL	0.00	0.00	8,067.00	\$0.00	\$0.00	\$0.00
260573	12/7/2017	DK2059	O	6,934 GAL	0.00	0.00	6,934.00	\$0.00	\$0.00	\$0.00
260577	12/7/2017	MT14	O	7,979 GAL	0.00	0.00	7,979.00	\$0.00	\$0.00	\$0.00
260611	12/7/2017	MT14	O	8,094 GAL	0.00	0.00	8,094.00	\$0.00	\$0.00	\$0.00
260616	12/8/2017	MT14	O	7,938 GAL	0.00	0.00	7,938.00	\$0.00	\$0.00	\$0.00
260624	12/8/2017	DK2049	O	6,999 GAL	0.00	0.00	6,999.00	\$0.00	\$0.00	\$0.00
260673	12/8/2017	MT14	O	7,648 GAL	0.00	0.00	7,648.00	\$0.00	\$0.00	\$0.00
260717	12/8/2017	MT14	O	8,070 GAL	0.00	0.00	8,070.00	\$0.00	\$0.00	\$0.00
260758	12/11/2017	DK2049	O	6,963 GAL	0.00	0.00	6,963.00	\$0.00	\$0.00	\$0.00
260765	12/11/2017	MT14	O	7,995 GAL	0.00	0.00	7,995.00	\$0.00	\$0.00	\$0.00
260802	12/11/2017	DK2059	O	7,004 GAL	0.00	0.00	7,004.00	\$0.00	\$0.00	\$0.00

J - JAMESTOWN W W T P

260806	12/11/2017	MT14	O	7,983 GAL	0.00	0.00	7,983.00	\$0.00	\$0.00	\$0.00
260851	12/12/2017	MT14	O	8,063 GAL	0.00	0.00	8,063.00	\$0.00	\$0.00	\$0.00
260891	12/12/2017	MT14	O	7,916 GAL	0.00	0.00	7,916.00	\$0.00	\$0.00	\$0.00
260945	12/13/2017	MT14	O	8,043 GAL	0.00	0.00	8,043.00	\$0.00	\$0.00	\$0.00
260997	12/13/2017	MT14	O	7,552 GAL	0.00	0.00	7,552.00	\$0.00	\$0.00	\$0.00
261030	12/14/2017	MT14	O	7,993 GAL	0.00	0.00	7,993.00	\$0.00	\$0.00	\$0.00
261062	12/14/2017	MT14	O	7,849 GAL	0.00	0.00	7,849.00	\$0.00	\$0.00	\$0.00
261103	12/14/2017	MT14	O	7,782 GAL	0.00	0.00	7,782.00	\$0.00	\$0.00	\$0.00
261107	12/15/2017	MT14	O	7,926 GAL	0.00	0.00	7,926.00	\$0.00	\$0.00	\$0.00
261155	12/15/2017	MT14	O	7,686 GAL	0.00	0.00	7,686.00	\$0.00	\$0.00	\$0.00
261221	12/18/2017	MT14	O	8,134 GAL	0.00	0.00	8,134.00	\$0.00	\$0.00	\$0.00
261259	12/18/2017	MT14	O	8,075 GAL	0.00	0.00	8,075.00	\$0.00	\$0.00	\$0.00
261315	12/19/2017	MT14	O	8,170 GAL	0.00	0.00	8,170.00	\$0.00	\$0.00	\$0.00
261357	12/19/2017	MT014	O	8,182 GAL	0.00	0.00	8,182.00	\$0.00	\$0.00	\$0.00
261403	12/20/2017	MT14	O	8,158 GAL	0.00	0.00	8,158.00	\$0.00	\$0.00	\$0.00
261449	12/20/2017	MT14	O	8,077 GAL	0.00	0.00	8,077.00	\$0.00	\$0.00	\$0.00
261485	12/20/2017	MT14	O	8,067 GAL	0.00	0.00	8,067.00	\$0.00	\$0.00	\$0.00
261496	12/21/2017	MT14	O	8,168 GAL	0.00	0.00	8,168.00	\$0.00	\$0.00	\$0.00
261539	12/21/2017	MT14	O	8,154 GAL	0.00	0.00	8,154.00	\$0.00	\$0.00	\$0.00
261570	12/21/2017	MT14	O	8,077 GAL	0.00	0.00	8,077.00	\$0.00	\$0.00	\$0.00
261586	12/22/2017	MT14	O	8,120 GAL	0.00	0.00	8,120.00	\$0.00	\$0.00	\$0.00
261629	12/22/2017	MT14	O	8,417 GAL	0.00	0.00	8,417.00	\$0.00	\$0.00	\$0.00
261661	12/22/2017	MT14	O	8,154 GAL	0.00	0.00	8,154.00	\$0.00	\$0.00	\$0.00
261701	12/26/2017	MT014	O	8,065 GAL	0.00	0.00	8,065.00	\$0.00	\$0.00	\$0.00
261729	12/26/2017	MT14	O	8,127 GAL	0.00	0.00	8,127.00	\$0.00	\$0.00	\$0.00

261759	12/27/2017	MT14	O	8,082 GAL	0.00	0.00	8,082.00	\$0.00	\$0.00	\$0.00
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J - JAMESTOWN W W T P

261790	12/27/2017	MT14	O	8,060 GAL	0.00	0.00	8,060.00	\$0.00	\$0.00	\$0.00
261824	12/28/2017	MT001	O	8,094 GAL	0.00	0.00	8,094.00	\$0.00	\$0.00	\$0.00
261856	12/28/2017	MT001	O	8,098 GAL	0.00	0.00	8,098.00	\$0.00	\$0.00	\$0.00
261904	12/29/2017	MT14	O	8,070 GAL	0.00	0.00	8,070.00	\$0.00	\$0.00	\$0.00
261941	12/29/2017	MT014	O	8,108 GAL	0.00	0.00	8,108.00	\$0.00	\$0.00	\$0.00
261996	12/30/2017	MT14	O	8,063 GAL	0.00	0.00	8,063.00	\$0.00	\$0.00	\$0.00

J - JAMESTOWN W W T P

58 tickets and 58 transactions

					0.00	0.00	437,908.00	\$0.00	\$0.00	\$0.00
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WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

260056	12/1/2017	ME001	O	6,900 GAL	0.00	0.00	6,900.00	\$0.00	\$0.00	\$0.00
260064	12/1/2017	ME001	O	7,234 GAL	0.00	0.00	7,234.00	\$0.00	\$0.00	\$0.00
260073	12/1/2017	ME010	O	7,210 GAL	0.00	0.00	7,210.00	\$0.00	\$0.00	\$0.00
260101	12/1/2017	ME001	O	7,109 GAL	0.00	0.00	7,109.00	\$0.00	\$0.00	\$0.00
260113	12/1/2017	ME010	O	7,188 GAL	0.00	0.00	7,188.00	\$0.00	\$0.00	\$0.00
260129	12/1/2017	ME001	O	7,023 GAL	0.00	0.00	7,023.00	\$0.00	\$0.00	\$0.00
260141	12/1/2017	ME010	O	7,169 GAL	0.00	0.00	7,169.00	\$0.00	\$0.00	\$0.00
260209	12/4/2017	ME001	O	7,083 GAL	0.00	0.00	7,083.00	\$0.00	\$0.00	\$0.00
260244	12/4/2017	ME001	O	7,073 GAL	0.00	0.00	7,073.00	\$0.00	\$0.00	\$0.00
260269	12/4/2017	ME001	O	7,068 GAL	0.00	0.00	7,068.00	\$0.00	\$0.00	\$0.00
260283	12/4/2017	ME001	O	7,130 GAL	0.00	0.00	7,130.00	\$0.00	\$0.00	\$0.00
260312	12/5/2017	ME001	O	7,078 GAL	0.00	0.00	7,078.00	\$0.00	\$0.00	\$0.00
260320	12/5/2017	ME001	O	7,095 GAL	0.00	0.00	7,095.00	\$0.00	\$0.00	\$0.00
260356	12/5/2017	ME001	O	7,095 GAL	0.00	0.00	7,095.00	\$0.00	\$0.00	\$0.00
260381	12/5/2017	ME102	O	7,133 GAL	0.00	0.00	7,133.00	\$0.00	\$0.00	\$0.00
260440	12/6/2017	ME010	O	7,073 GAL	0.00	0.00	7,073.00	\$0.00	\$0.00	\$0.00
260445	12/6/2017	ME001	O	6,989 GAL	0.00	0.00	6,989.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

260471	12/6/2017	ME010	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
260475	12/6/2017	ME001	O	7,107 GAL	0.00	0.00	7,107.00	\$0.00	\$0.00	\$0.00
260540	12/7/2017	ME001	O	7,126 GAL	0.00	0.00	7,126.00	\$0.00	\$0.00	\$0.00
260548	12/7/2017	ME001	O	7,080 GAL	0.00	0.00	7,080.00	\$0.00	\$0.00	\$0.00
260568	12/7/2017	ME001	O	7,116 GAL	0.00	0.00	7,116.00	\$0.00	\$0.00	\$0.00
260586	12/7/2017	ME001	O	7,011 GAL	0.00	0.00	7,011.00	\$0.00	\$0.00	\$0.00
260631	12/8/2017	ME010	O	7,104 GAL	0.00	0.00	7,104.00	\$0.00	\$0.00	\$0.00
260644	12/8/2017	ME001	O	7,073 GAL	0.00	0.00	7,073.00	\$0.00	\$0.00	\$0.00
260645	12/8/2017	ME001	O	7,068 GAL	0.00	0.00	7,068.00	\$0.00	\$0.00	\$0.00
260665	12/8/2017	ME102	O	7,059 GAL	0.00	0.00	7,059.00	\$0.00	\$0.00	\$0.00
260669	12/8/2017	ME010	O	7,188 GAL	0.00	0.00	7,188.00	\$0.00	\$0.00	\$0.00
260689	12/8/2017	ME01	O	6,977 GAL	0.00	0.00	6,977.00	\$0.00	\$0.00	\$0.00
260695	12/8/2017	ME010	O	7,186 GAL	0.00	0.00	7,186.00	\$0.00	\$0.00	\$0.00
260777	12/11/2017	ME010	O	7,044 GAL	0.00	0.00	7,044.00	\$0.00	\$0.00	\$0.00
260791	12/11/2017	ME015	O	6,893 GAL	0.00	0.00	6,893.00	\$0.00	\$0.00	\$0.00
260798	12/11/2017	ME010	O	7,126 GAL	0.00	0.00	7,126.00	\$0.00	\$0.00	\$0.00
260811	12/11/2017	ME001	O	7,114 GAL	0.00	0.00	7,114.00	\$0.00	\$0.00	\$0.00
260859	12/12/2017	ME015	O	7,078 GAL	0.00	0.00	7,078.00	\$0.00	\$0.00	\$0.00

260884	12/12/2017	ME001	O	7,049 GAL	0.00	0.00	7,049.00	\$0.00	\$0.00	\$0.00
260966	12/13/2017	ME001	O	6,783 GAL	0.00	0.00	6,783.00	\$0.00	\$0.00	\$0.00
260990	12/13/2017	ME001	O	6,881 GAL	0.00	0.00	6,881.00	\$0.00	\$0.00	\$0.00
261246	12/18/2017	ME015	O	6,946 GAL	0.00	0.00	6,946.00	\$0.00	\$0.00	\$0.00
261263	12/18/2017	ME001	O	7,119 GAL	0.00	0.00	7,119.00	\$0.00	\$0.00	\$0.00
261928	12/29/2017	ME010	O	6,757 GAL	0.00	0.00	6,757.00	\$0.00	\$0.00	\$0.00
261946	12/29/2017	ME010	O	7,090 GAL	0.00	0.00	7,090.00	\$0.00	\$0.00	\$0.00
261964	12/29/2017	ME010	O	7,044 GAL	0.00	0.00	7,044.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM. PLANT

261983	12/30/2017	ME010	O	7,078 GAL	0.00	0.00	7,078.00	\$0.00	\$0.00	\$0.00
262002	12/30/2017	ME010	O	7,075 GAL	0.00	0.00	7,075.00	\$0.00	\$0.00	\$0.00

WWPT - WELLSVILLE NY WASTE WATER TREATM

45 tickets and 45 transactions

0.00	0.00	317,902.00	\$0.00	\$0.00	\$0.00
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Report Grand Totals

122 tickets and 122 transactions

0.00	0.00	880,315.00	\$0.00	\$0.00	\$0.00
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End of Report

ATTACHMENT 9 – Leak Detection Information

Hyland Facility Associates

Leak Detection System - Fluid Collected on a Weekly Basis

1ST QTR 2017

	Week of	6-Jan	13-Jan	20-Jan	27-Jan	3-Feb	10-Feb	17-Feb	24-Feb	3-Mar	10-Mar	17-Mar	24-Mar	31-Mar
Location	Fluid	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals
Detection Port No. 1 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Port No. 2 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0

There was some accumulated condensation in the manholes but no leachate from pipe secondaries

Hyland Facility Associates

Leak Detection System - Fluid Collected on a Weekly Basis

2ND QTR 2017

	Week of	7-Apr	14-Apr	21-Apr	25-Apr	5-May	2/175/19	26-May	2-Jun	9-Jun	16-Jun	23-Jun	23-Jun	30-Jun
Location	Fluid	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals
Detection Port No. 1 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Port No. 2 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0

There was some accumulated condensation in the manholes but no leachate from pipe secondaries

Hyland Facility Associates

Leak Detection System - Fluid Collected on a Weekly Basis

3rd QTR 2017

	Week of	7-Jul	14-Jul	21-Jul	28-Jul	4-Aug	11-Aug	18-Aug	25-Aug	1-Sep	8-Sep	15-Sep	22-Sep	29-Sep
Location	Fluid	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals
Detection Port No. 1 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Port No. 2 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0

There was some accumulated condensation in the manholes but no leachate from pipe secondaries

Hyland Facility Associates

Leak Detection System - Fluid Collected on a Weekly Basis

4th QTR 2017

	Week of	6-Oct	13-Oct	20-Oct	27-Oct	3-Nov	10-Nov	17-Nov	24-Nov	1-Dec	8-Dec	15-Dec	22-Dec	29-Dec
Location	Fluid	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals	gals
Detection Port No. 1 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0
Detection Port No. 2 @ Impoundment		0	0	0	0	0	0	0	0	0	0	0	0	0

There was some accumulated condensation in the manholes but no leachate from pipe secondaries

ATTACHMENT 10 – Tonnage

Hyland Facility Associates
 Angelica, NY

Tabulation of trucks delivering waste to the site on a daily basis for
 October, November and December 2017 (Includes BUD Materials)

Date	# of Trucks
10/1/17	0
10/2/17	72
10/3/17	80
10/4/17	82
10/5/17	90
10/6/17	78
10/7/17	35
10/8/17	0
10/9/17	71
10/10/17	92
10/11/17	71
10/12/17	78
10/13/17	87
10/14/17	33
10/15/17	0
10/16/17	78
10/17/17	85
10/18/17	66
10/19/17	70
10/20/17	75
10/21/17	32
10/22/17	0
10/23/17	62
10/24/17	76
10/25/17	75
10/26/17	77
10/27/17	67
10/28/17	41
10/29/17	0
10/30/17	64
10/31/17	77

Total 1814

Date	# of Trucks
11/1/17	71
11/2/17	76
11/3/17	79
11/4/17	38
11/5/17	0
11/6/17	73
11/7/17	85
11/8/17	87
11/9/17	87
11/10/17	88
11/11/17	37
11/12/17	0
11/13/17	77
11/14/17	87
11/15/17	76
11/16/17	80
11/17/17	82
11/18/17	40
11/19/17	0
11/20/17	71
11/21/17	104
11/22/17	98
11/23/17	0
11/24/17	88
11/25/17	63
11/26/17	0
11/27/17	91
11/28/17	111
11/29/17	116
11/30/17	123

Total 2028

Date	# of Trucks
12/1/17	113
12/2/17	43
12/3/17	0
12/4/17	98
12/5/17	115
12/6/17	103
12/7/17	90
12/8/17	100
12/9/17	38
12/10/17	0
12/11/17	86
12/12/17	89
12/13/17	88
12/14/17	84
12/15/17	81
12/16/17	32
12/17/17	0
12/18/17	85
12/19/17	93
12/20/17	96
12/21/17	94
12/22/17	81
12/23/17	28
12/24/17	0
12/25/17	0
12/26/17	53
12/27/17	76
12/28/17	73
12/29/17	78
12/30/17	36
12/31/17	0

Total 1953

RpCatMat.rpt

Category: All

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 10/01/2017 through 10/31/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
ASB - ASBESTOS			
5644 - FRIABLE ASBESTOS 5644 <i>8 tickets and 8 transactions</i>	210.76 T	0.00	210.76
5856 - BAGGED FRIABLE ASB 5856 <i>1 ticket and 1 transaction</i>	5.57 T	0.00	5.57
6925 - FRIABLE ASBESTOS 6925 <i>1 ticket and 1 transaction</i>	5.63 T	0.00	5.63
6971 - FRIABLE ASBESTOS 6971 <i>7 tickets and 7 transactions</i>	175.77 T	0.00	175.77
BAFA - BAGGED FRIABLE ASBESTOS <i>9 tickets and 9 transactions</i>	156.00 T	0.00	156.00
BUFA - BULK FRIABLE ASBESTOS <i>14 tickets and 14 transactions</i>	286.28 T	0.00	286.28
		<hr/>	<hr/>
ASB - ASBESTOS <i>40 tickets and 40 transactions</i>		0.00	840.01
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER <i>126 tickets and 126 transactions</i>	4,579.34 T	0.00	4,579.34

BUD - BUD ADC		0.00	4,579.34
<i>126 tickets and 126 transactions</i>			
BUDSBA - BUD SOLIDIFICATION BULKING AGENT			
1730 - ASR BULKING AGENT 1730S	238.69 T	0.00	238.69
<i>7 tickets and 7 transactions</i>			
BUDSBA - BUD SOLIDIFICATION BULKING AGENT		0.00	238.69
<i>7 tickets and 7 transactions</i>			
C&D - CONSTRUCTION DEBRIS			
ACCD - ALLEGANY CTY C&D	5.42 T	0.00	5.42
<i>1 ticket and 1 transaction</i>			
CD - CONSTRUCTION DEBRIS	17,192.18 T	0.00	17,192.18
<i>539 tickets and 539 transactions</i>			
ICCD - I-C CONSTRUCTION DEBRIS	14.02 T	0.00	14.02
<i>4 tickets and 4 transactions</i>			
C&D - CONSTRUCTION DEBRIS		0.00	17,211.62
<i>544 tickets and 544 transactions</i>			
CS - CONTAMINATED SOIL			
CS - CONTAMINATED SOIL	163.63 T	0.00	163.63
<i>5 tickets and 5 transactions</i>			
CS - CONTAMINATED SOIL		0.00	163.63
<i>5 tickets and 5 transactions</i>			
DW - OIL/GAS DRILLING WASTE			
DC - DRILL CUTTINGS	1,463.32 T	0.00	1,463.32
<i>79 tickets and 79 transactions</i>			
DW - OIL/GAS DRILLING WASTE		0.00	1,463.32
<i>79 tickets and 79 transactions</i>			
IND - INDUSTRIAL			
4217 - NON-HAZ SOLIDS 4217	8.04 T	0.00	8.04
<i>6 tickets and 6 transactions</i>			
6090 - I/C PLANT TRASH 6090	4.26 T	0.00	4.26
<i>1 ticket and 1 transaction</i>			

6534 - I/C PLANT TRASH 6534 <i>5 tickets and 5 transactions</i>	12.80 T	0.00	12.80
6535 - I/C PLANT TRASH 6535 <i>4 tickets and 4 transactions</i>	9.06 T	0.00	9.06
6645 - MIXED PLANT TRASH 6645 <i>9 tickets and 9 transactions</i>	49.43 T	0.00	49.43
6849 - I/C USED OIL FILTERS 6849 <i>1 ticket and 1 transaction</i>	1.26 T	0.00	1.26
6864 - METAL GRINDING 6864 <i>1 ticket and 1 transaction</i>	8.54 T	0.00	8.54
ICES - 189 INDUSTRIAL / PLANT TRASH <i>8 tickets and 8 transactions</i>	65.52 T	0.00	65.52
ICIN - I-C INDUSTRIAL <i>4 tickets and 4 transactions</i>	83.84 T	0.00	83.84
IND - INDUSTRIAL			
ICLE - 1548 I/C TOBACCO <i>4 tickets and 4 transactions</i>	21.49 T	0.00	21.49
ICLV - I/C INDUSTRIAL WASTE <i>1 ticket and 1 transaction</i>	25.35 T	0.00	25.35
ICPO - 1830 POLYURANTHANE SCRAPS(185) <i>1 ticket and 1 transaction</i>	2.89 T	0.00	2.89
ICSD - I/C SAPUTO DAIRY TRASH <i>10 tickets and 10 transactions</i>	55.50 T	0.00	55.50
ICTQ - 1660 IC General Trash <i>1 ticket and 1 transaction</i>	1.80 T	0.00	1.80
IND - INDUSTRIAL <i>56 tickets and 56 transactions</i>		<hr/> 0.00	<hr/> 349.78
LEACH - LEACHATE			
LEACH - LEACHATE <i>135 tickets and 135 transactions</i>	827,820.00 GAL	0.00	0.00
LEACH - LEACHATE <i>135 tickets and 135 transactions</i>		<hr/> 0.00	<hr/> 0.00
MSW - MUNICIPAL SOLID WASTE			
ACMS - ALLEGANY CTY MSW	51.57 T	0.00	51.57

7 tickets and 7 transactions

ICAW - I/C Allegany Cty Waste

4 tickets and 4 transactions

ICCP - MSW POTTER COUNTY

36 tickets and 36 transactions

ICMS - I-C MSW

139 tickets and 139 transactions

MS - MSW

249 tickets and 249 transactions

MSW - MUNICIPAL SOLID WASTE

435 tickets and 435 transactions

MX - MIXED C&D AND MSW

MX - MIXED C&D AND MSW

ICTR - I/C Mixed Waste TT

158 tickets and 158 transactions

MX - MSW & MIXED TRASH

44 tickets and 44 transactions

MX - MIXED C&D AND MSW

202 tickets and 202 transactions

SIM - INDUSTRIAL SOLIDIFICATION

3547 - WET SOLIDS W/OILS 3547

1 ticket and 1 transaction

4155 - NON-HAZ LIQUID 4155

7 tickets and 7 transactions

4286 - I/C NON HAZ LIQUIDS 4286

1 ticket and 1 transaction

4392 - OIL/CONDENSED WATER 4392

1 ticket and 1 transaction

4427 - NON-HAZ LIQUID 4427

1 ticket and 1 transaction

4774 - NONHAZARDOUS LIQUID 4774

1 ticket and 1 transaction

4966 - OILY TANK BOTTOMS 4966

5 tickets and 5 transactions

14.95 T	0.00	14.95
590.77 T	0.00	590.77
4,918.74 T	0.00	4,918.74
3,389.55 T	0.00	3,389.55
	<hr/>	<hr/>
	0.00	8,965.58
4,663.89 T	0.00	4,663.89
902.25 T	0.00	902.25
	<hr/>	<hr/>
	0.00	5,566.14
11.63 T	0.00	11.63
118.32 T	0.00	118.32
11.79 T	0.00	11.79
15.55 T	0.00	15.55
6.52 T	0.00	6.52
6.96 T	0.00	6.96
78.71 T	0.00	78.71

6329 - I/C OFF SPEC FOOD 6329 <i>4 tickets and 4 transactions</i>	37.54 T	0.00	37.54
6755 - OFF SPEC FOOD WASTE 6755 <i>1 ticket and 1 transaction</i>	19.37 T	0.00	19.37
6773 - SULFA TREAT MEDIA 6773 <i>1 ticket and 1 transaction</i>	4.41 T	0.00	4.41
6999 - OFF SPEC PRODUCTS 6999 <i>1 ticket and 1 transaction</i>	21.78 T	0.00	21.78
MSSL - INDUSTRIAL SOLIDIFICATION <i>7 tickets and 7 transactions</i>	88.40 T	0.00	88.40
SIM - INDUSTRIAL SOLIDIFICATION <i>31 tickets and 31 transactions</i>		0.00	420.98
SS - SEWAGE SLUDGE			
4382 - BEACON WWTP SLUDGE 4382 <i>15 tickets and 15 transactions</i>	574.83 T	0.00	574.83
5738 - NEWBURGH WWTP SLUDGE 5738 <i>5 tickets and 5 transactions</i>	134.30 T	0.00	134.30
6493 - WWTP SLUDGE 6493 <i>1 ticket and 1 transaction</i>	14.24 T	0.00	14.24
6805 - WWTP SLUDGE 6805 <i>1 ticket and 1 transaction</i>	17.92 T	0.00	17.92
CBSS - 000-117 SEWAGE SLUDGE <i>1 ticket and 1 transaction</i>	27.09 T	0.00	27.09
ICOS - 582 OLEAN WWTP SLUDGE <i>7 tickets and 7 transactions</i>	110.91 T	0.00	110.91
ICSC - 244 SUFFOLK COUNTY SLUDGE <i>102 tickets and 102 transactions</i>	3,132.15 T	0.00	3,132.15
ICSL - I/C SLUDGE <i>18 tickets and 18 transactions</i>	301.11 T	0.00	301.11
SL - SLUDGE <i>1 ticket and 1 transaction</i>	11.06 T	0.00	11.06
VWSL - 331 WWTP SLUDGE <i>3 tickets and 3 transactions</i>	43.84 T	0.00	43.84
SS - SEWAGE SLUDGE <i>154 tickets and 154 transactions</i>		0.00	4,367.45

TIRES - CAR AND TRUCK TIRES

CO - CLEAN OUT SERVICE

3 tickets and 3 transactions

3.00 U

0.00

0.00

DO - DIG OUT SERVICE

16 tickets and 16 transactions

16.00 U

0.00

0.00

ICTI - CAR TIRE REGULAR

2 tickets and 2 transactions

4.00 U

0.00

0.00

ICTT - I-C TRAILER TIRE

2 tickets and 2 transactions

5.00 U

0.00

0.00

MBTI - MBI TIPPER CHARGE

355 tickets and 355 transactions

355.00 U

0.00

0.00

MBTP - I/C MBI TIPPER

145 tickets and 145 transactions

145.00 U

0.00

0.00

TIRES - CAR AND TRUCK TIRES

TT - TRAILER TIRE

1 ticket and 1 transaction

1.00 U

0.00

0.00

TIRES - CAR AND TRUCK TIRES

506 tickets and 524 transactions

0.00

0.00

Report Grand Totals

1,814 tickets and 2,338 transactions

0.00

44,166.54

RpCatMat.rpt

Category: All

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 11/01/2017 through 11/30/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
ASB - ASBESTOS			
5644 - FRIABLE ASBESTOS 5644 <i>13 tickets and 13 transactions</i>	313.59 T	0.00	313.59
5856 - BAGGED FRIABLE ASB 5856 <i>1 ticket and 1 transaction</i>	6.06 T	0.00	6.06
BAFA - BAGGED FRIABLE ASBESTOS <i>1 ticket and 1 transaction</i>	3.14 T	0.00	3.14
BUFA - BULK FRIABLE ASBESTOS <i>41 tickets and 41 transactions</i>	952.86 T	0.00	952.86
ICBA - I/C BAGGED FRIABLE ASBESTOS <i>2 tickets and 2 transactions</i>	7.27 T	0.00	7.27
ASB - ASBESTOS <i>58 tickets and 58 transactions</i>		0.00	1,282.92
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER <i>109 tickets and 109 transactions</i>	4,010.47 T	0.00	4,010.47
BUD - BUD ADC <i>109 tickets and 109 transactions</i>		0.00	4,010.47

BUDSBA - BUD SOLIDIFICATION BULKING AGENT

1730 - ASR BULKING AGENT 1730S	210.82 T	0.00	210.82
<i>6 tickets and 6 transactions</i>			

BUDSBA - BUD SOLIDIFICATION BULKING AGENT*6 tickets and 6 transactions*

0.00	210.82
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C&D - CONSTRUCTION DEBRIS

CD - CONSTRUCTION DEBRIS	19,850.02 T	0.00	19,850.02
<i>611 tickets and 611 transactions</i>			

ICCD - I-C CONSTRUCTION DEBRIS	3.97 T	0.00	3.97
<i>1 ticket and 1 transaction</i>			

C&D - CONSTRUCTION DEBRIS*612 tickets and 612 transactions*

0.00	19,853.99
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IND - INDUSTRIAL

4217 - NON-HAZ SOLIDS 4217	22.73 T	0.00	22.73
<i>5 tickets and 5 transactions</i>			

4820 - I/C CHAT PLANT TRASH 4820	2.47 T	0.00	2.47
<i>1 ticket and 1 transaction</i>			

4867 - I/C SAWDUST 4867	5.06 T	0.00	5.06
<i>1 ticket and 1 transaction</i>			

6091 - I/C UNUSED PRODUCT 6091	25.50 T	0.00	25.50
<i>1 ticket and 1 transaction</i>			

6534 - I/C PLANT TRASH 6534	8.50 T	0.00	8.50
<i>4 tickets and 4 transactions</i>			

6535 - I/C PLANT TRASH 6535	4.03 T	0.00	4.03
<i>2 tickets and 2 transactions</i>			

6645 - MIXED PLANT TRASH 6645	45.22 T	0.00	45.22
<i>8 tickets and 8 transactions</i>			

6646 - MIXED PLANT TRASH 6646	5.68 T	0.00	5.68
<i>1 ticket and 1 transaction</i>			

6687 - I/C FOUNDRY SAND 6687	14.82 T	0.00	14.82
<i>1 ticket and 1 transaction</i>			

ICES - 189 INDUSTRIAL / PLANT TRASH	68.55 T	0.00	68.55
<i>8 tickets and 8 transactions</i>			

ICIN - I-C INDUSTRIAL <i>4 tickets and 4 transactions</i>	66.32 T	0.00	66.32
ICLE - 1548 I/C TOBACCO <i>5 tickets and 5 transactions</i>	22.41 T	0.00	22.41
ICPO - 1830 POLYURANTHANE SCRAPS(185) <i>1 ticket and 1 transaction</i>	3.42 T	0.00	3.42
ICSD - I/C SAPUTO DAIRY TRASH <i>12 tickets and 12 transactions</i>	57.08 T	0.00	57.08
IN - INDUSTRIAL <i>25 tickets and 25 transactions</i>	874.23 T	0.00	874.23
IND - INDUSTRIAL <i>79 tickets and 79 transactions</i>		<hr/> 0.00	<hr/> 1,226.02
LEACH - LEACHATE			
LEACH - LEACHATE <i>145 tickets and 145 transactions</i>	914,099.00 GAL	0.00	0.00
LEACH - LEACHATE <i>145 tickets and 145 transactions</i>		<hr/> 0.00	<hr/> 0.00
MSW - MUNICIPAL SOLID WASTE			
ACMS - ALLEGANY CTY MSW <i>4 tickets and 4 transactions</i>	29.00 T	0.00	29.00
ICAW - I/C Allegany Cty Waste <i>5 tickets and 5 transactions</i>	19.92 T	0.00	19.92
ICCP - MSW POTTER COUNTY <i>44 tickets and 44 transactions</i>	736.11 T	0.00	736.11
ICMS - I-C MSW <i>142 tickets and 142 transactions</i>	4,943.77 T	0.00	4,943.77
MS - MSW <i>423 tickets and 423 transactions</i>	9,332.68 T	0.00	9,332.68
MSW - MUNICIPAL SOLID WASTE <i>618 tickets and 618 transactions</i>		<hr/> 0.00	<hr/> 15,061.48
MX - MIXED C&D AND MSW			
ICTR - I/C Mixed Waste TT <i>148 tickets and 148 transactions</i>	4,382.22 T	0.00	4,382.22

MX - MSW & MIXED TRASH <i>54 tickets and 54 transactions</i>	1,138.53 T	0.00	1,138.53
MX - MIXED C&D AND MSW <i>202 tickets and 202 transactions</i>		0.00	5,520.75
SIM - INDUSTRIAL SOLIDIFICATION			
3547 - WET SOLIDS W/OILS 3547 <i>1 ticket and 1 transaction</i>	16.87 T	0.00	16.87
4155 - NON-HAZ LIQUID 4155 <i>5 tickets and 5 transactions</i>	56.49 T	0.00	56.49
4286 - I/C NON HAZ LIQUIDS 4286 <i>1 ticket and 1 transaction</i>	13.17 T	0.00	13.17
4289 - I/C NON HAZ LIQUID 4289 <i>2 tickets and 2 transactions</i>	13.55 T	0.00	13.55
SIM - INDUSTRIAL SOLIDIFICATION			
4392 - OIL/CONDENSED WATER 4392 <i>1 ticket and 1 transaction</i>	18.78 T	0.00	18.78
4427 - NON-HAZ LIQUID 4427 <i>1 ticket and 1 transaction</i>	6.10 T	0.00	6.10
4966 - OILY TANK BOTTOMS 4966 <i>7 tickets and 7 transactions</i>	110.21 T	0.00	110.21
6755 - OFF SPEC FOOD WASTE 6755 <i>3 tickets and 3 transactions</i>	60.14 T	0.00	60.14
MSSL - INDUSTRIAL SOLIDIFICATION <i>5 tickets and 5 transactions</i>	48.25 T	0.00	48.25
SIM - INDUSTRIAL SOLIDIFICATION <i>26 tickets and 26 transactions</i>		0.00	343.56
SS - SEWAGE SLUDGE			
4382 - BEACON WWTP SLUDGE 4382 <i>15 tickets and 15 transactions</i>	534.04 T	0.00	534.04
5738 - NEWBURGH WWTP SLUDGE 5738 <i>13 tickets and 13 transactions</i>	452.40 T	0.00	452.40
6493 - WWTP SLUDGE 6493 <i>1 ticket and 1 transaction</i>	17.18 T	0.00	17.18
CBSS - 000-117 SEWAGE SLUDGE	35.98 T	0.00	35.98

1 ticket and 1 transaction

ICOS - 582 OLEAN WWTP SLUDGE

126.78 T

0.00

126.78

8 tickets and 8 transactions

ICSC - 244 SUFFOLK COUNTY SLUDGE

3,185.90 T

0.00

3,185.90

99 tickets and 99 transactions

ICSL - I/C SLUDGE

313.46 T

0.00

313.46

17 tickets and 17 transactions

ICWN - 2021 I/C WWTP SLUDGE

15.85 T

0.00

15.85

1 ticket and 1 transaction

VWSL - 331 WWTP SLUDGE

69.39 T

0.00

69.39

5 tickets and 5 transactions

SS - SEWAGE SLUDGE

0.00

4,750.98

160 tickets and 160 transactions

TIRES - CAR AND TRUCK TIRES

DO - DIG OUT SERVICE

30.00 U

0.00

0.00

30 tickets and 30 transactions

ICTI - CAR TIRE REGULAR

5.00 U

0.00

0.00

2 tickets and 2 transactions

ICTT - I-C TRAILER TIRE

2.00 U

0.00

0.00

1 ticket and 1 transaction

MBTI - MBI TIPPER CHARGE

519.00 U

0.00

0.00

519 tickets and 519 transactions

MBTP - I/C MBI TIPPER

108.00 U

0.00

0.00

108 tickets and 108 transactions

TI - CAR TIRES - REGULAR

19.00 U

0.00

0.00

7 tickets and 7 transactions

TT - TRAILER TIRE

16.00 U

0.00

0.00

6 tickets and 6 transactions

TIRES - CAR AND TRUCK TIRES

0.00

0.00

642 tickets and 673 transactions

Report Grand Totals

0.00

52,260.99

2,015 tickets and 2,688 transactions

RpCatMat.rpt

Category: All

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 12/01/2017 through 12/31/2017
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Material
Material Summary

	BillUnits	Cubic Yards	Tons
ASB - ASBESTOS			
5644 - FRIABLE ASBESTOS 5644 <i>6 tickets and 6 transactions</i>	146.51 T	0.00	146.51
6971 - FRIABLE ASBESTOS 6971 <i>3 tickets and 3 transactions</i>	93.26 T	0.00	93.26
BAFA - BAGGED FRIABLE ASBESTOS <i>1 ticket and 1 transaction</i>	2.85 T	0.00	2.85
BUFA - BULK FRIABLE ASBESTOS <i>20 tickets and 20 transactions</i>	533.88 T	0.00	533.88
ICFR - I-C FRIABLE ASBESTOS <i>5 tickets and 5 transactions</i>	43.36 T	0.00	43.36
ASB - ASBESTOS <i>35 tickets and 35 transactions</i>		<hr/> 0.00	<hr/> 819.86
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER <i>168 tickets and 168 transactions</i>	5,868.70 T	0.00	5,868.70
BUD - BUD ADC <i>168 tickets and 168 transactions</i>		<hr/> 0.00	<hr/> 5,868.70

BUDSBA - BUD SOLIDIFICATION BULKING AGENT

1730 - ASR BULKING AGENT 1730S 205.70 T 0.00 205.70
6 tickets and 6 transactions

BDSL - BUD BULKING AGENT 30.75 T 0.00 30.75
2 tickets and 2 transactions

BUDSBA - BUD SOLIDIFICATION BULKING AGENT 0.00 236.45
8 tickets and 8 transactions

C&D - CONSTRUCTION DEBRIS

CD - CONSTRUCTION DEBRIS 18,192.85 T 0.00 18,192.85
555 tickets and 555 transactions

ICCD - I-C CONSTRUCTION DEBRIS 11.51 T 0.00 11.51
2 tickets and 2 transactions

ICOD - I/C OLEAN TRANSFER CD 16.33 T 0.00 16.33
1 ticket and 1 transaction

C&D - CONSTRUCTION DEBRIS 0.00 18,220.69
558 tickets and 558 transactions

IND - INDUSTRIAL

4217 - NON-HAZ SOLIDS 4217 12.52 T 0.00 12.52
3 tickets and 3 transactions

4376 - I/C PLANT TRASH 4376 9.59 T 0.00 9.59
1 ticket and 1 transaction

4867 - I/C SAWDUST 4867 4.52 T 0.00 4.52
1 ticket and 1 transaction

6090 - I/C PLANT TRASH 6090 4.83 T 0.00 4.83
1 ticket and 1 transaction

6534 - I/C PLANT TRASH 6534 8.37 T 0.00 8.37
4 tickets and 4 transactions

6535 - I/C PLANT TRASH 6535 14.06 T 0.00 14.06
4 tickets and 4 transactions

6645 - MIXED PLANT TRASH 6645 51.05 T 0.00 51.05
9 tickets and 9 transactions

6646 - MIXED PLANT TRASH 6646 4.37 T 0.00 4.37
1 ticket and 1 transaction

ICES - 189 INDUSTRIAL / PLANT TRASH 50.78 T 0.00 50.78

6 tickets and 6 transactions

ICIN - I-C INDUSTRIAL 70.82 T 0.00 70.82

4 tickets and 4 transactions

ICLE - 1548 I/C TOBACCO 18.15 T 0.00 18.15

5 tickets and 5 transactions

ICPO - 1830 POLYURANTHANE SCRAPS(185) 2.91 T 0.00 2.91

1 ticket and 1 transaction

ICS D - I/C SAPUTO DAIRY TRASH 57.40 T 0.00 57.40

12 tickets and 12 transactions

IN - INDUSTRIAL 55.67 T 0.00 55.67

2 tickets and 2 transactions

IND - INDUSTRIAL 0.00 365.04

54 tickets and 54 transactions

LEACH - LEACHATE

LEACH - LEACHATE

LEACH - LEACHATE 880,315.00 GAL 0.00 0.00

122 tickets and 122 transactions

LEACH - LEACHATE 0.00 0.00

122 tickets and 122 transactions

MSW - MUNICIPAL SOLID WASTE

ACMS - ALLEGANY CTY MSW 40.54 T 0.00 40.54

5 tickets and 5 transactions

ICAW - I/C Allegany Cty Waste 9.46 T 0.00 9.46

2 tickets and 2 transactions

ICCP - MSW POTTER COUNTY 554.83 T 0.00 554.83

36 tickets and 36 transactions

ICMS - I-C MSW 5,827.58 T 0.00 5,827.58

176 tickets and 176 transactions

MS - MSW 9,350.17 T 0.00 9,350.17

425 tickets and 425 transactions

MSW - MUNICIPAL SOLID WASTE 0.00 15,782.58

644 tickets and 644 transactions

MX - MIXED C&D AND MSW

ICTR - I/C Mixed Waste TT 3,563.26 T 0.00 3,563.26

129 tickets and 129 transactions

MX - MSW & MIXED TRASH

33 tickets and 33 transactions

629.40 T 0.00 629.40

MX - MIXED C&D AND MSW

162 tickets and 162 transactions

0.00 4,192.66

SIM - INDUSTRIAL SOLIDIFICATION

4155 - NON-HAZ LIQUID 4155

4 tickets and 4 transactions

56.30 T 0.00 56.30

4286 - I/C NON HAZ LIQUIDS 4286

1 ticket and 1 transaction

9.57 T 0.00 9.57

4427 - NON-HAZ LIQUID 4427

1 ticket and 1 transaction

7.02 T 0.00 7.02

SIM - INDUSTRIAL SOLIDIFICATION

4891 - I/C WWTP SLUDGE 4891

3 tickets and 3 transactions

104.81 T 0.00 104.81

4966 - OILY TANK BOTTOMS 4966

9 tickets and 9 transactions

128.95 T 0.00 128.95

6329 - I/C OFF SPEC FOOD 6329

2 tickets and 2 transactions

17.75 T 0.00 17.75

6755 - OFF SPEC FOOD WASTE 6755

3 tickets and 3 transactions

76.07 T 0.00 76.07

MSSL - INDUSTRIAL SOLIDIFICATION

1 ticket and 1 transaction

5.59 T 0.00 5.59

SIM - INDUSTRIAL SOLIDIFICATION

24 tickets and 24 transactions

0.00 406.06

SS - SEWAGE SLUDGE

4382 - BEACON WWTP SLUDGE 4382

12 tickets and 12 transactions

419.24 T 0.00 419.24

5738 - NEWBURGH WWTP SLUDGE 5738

15 tickets and 15 transactions

518.69 T 0.00 518.69

ICOS - 582 OLEAN WWTP SLUDGE

6 tickets and 6 transactions

99.39 T 0.00 99.39

ICSC - 244 SUFFOLK COUNTY SLUDGE

110 tickets and 110 transactions

3,277.04 T 0.00 3,277.04

ICSL - I/C SLUDGE <i>31 tickets and 31 transactions</i>	548.30 T	0.00	548.30
VWSL - 331 WWTP SLUDGE <i>4 tickets and 4 transactions</i>	50.95 T	0.00	50.95
SS - SEWAGE SLUDGE <i>178 tickets and 178 transactions</i>		<hr/> 0.00	<hr/> 4,913.61
TIRES - CAR AND TRUCK TIRES			
DO - DIG OUT SERVICE <i>31 tickets and 31 transactions</i>	33.00 U	0.00	0.00
ICDO - I-C DIG OUT SERVICE <i>10 tickets and 10 transactions</i>	10.00 U	0.00	0.00
TIRES - CAR AND TRUCK TIRES			
ICTI - CAR TIRE REGULAR <i>6 tickets and 6 transactions</i>	17.00 U	0.00	0.00
ICTT - I-C TRAILER TIRE <i>1 ticket and 1 transaction</i>	2.00 U	0.00	0.00
MBTI - MBI TIPPER CHARGE <i>494 tickets and 494 transactions</i>	494.00 U	0.00	0.00
MBTP - I/C MBI TIPPER <i>67 tickets and 67 transactions</i>	67.00 U	0.00	0.00
TI - CAR TIRES - REGULAR <i>7 tickets and 7 transactions</i>	67.00 U	0.00	0.00
TT - TRAILER TIRE <i>2 tickets and 2 transactions</i>	2.00 U	0.00	0.00
TIRES - CAR AND TRUCK TIRES <i>592 tickets and 618 transactions</i>		<hr/> 0.00	<hr/> 0.00
<u>Report Grand Totals</u>			
<i>1,953 tickets and 2,571 transactions</i>		<hr/> <hr/> 0.00	<hr/> <hr/> 50,805.65

Annual Tonnage 2017

RpCatMat.rpt

Category: All

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 01/01/2017 through 12/31/2017
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Material
Material Summary

	BillUnits	Cubic Yards	Tons
ASB - ASBESTOS			
2919 - FRIABLE ACM DEBRIS 2919 <i>11 tickets and 11 transactions</i>	303.94 T	0.00	303.94
3090 - FRIABLE ASBESTOS 3090 <i>33 tickets and 33 transactions</i>	931.29 T	0.00	931.29
5644 - FRIABLE ASBESTOS 5644 <i>75 tickets and 75 transactions</i>	1,901.73 T	0.00	1,901.73
5856 - BAGGED FRIABLE ASB 5856 <i>10 tickets and 10 transactions</i>	54.28 T	0.00	54.28
6799 - FRIABLE ASBESTOS 6799 <i>16 tickets and 16 transactions</i>	81.35 T	0.00	81.35
6850 - FRIABLE ASBESTOS 6850 <i>4 tickets and 4 transactions</i>	6.89 T	0.00	6.89
6925 - FRIABLE ASBESTOS 6925 <i>6 tickets and 6 transactions</i>	36.73 T	0.00	36.73
6944 - BULK ASBESTOS 6944 <i>16 tickets and 16 transactions</i>	92.62 T	0.00	92.62
6965 - FRIABLE ASBESTOS 6905 <i>3 tickets and 3 transactions</i>	68.46 T	0.00	68.46

6971 - FRIABLE ASBESTOS 6971 <i>113 tickets and 113 transactions</i>	3,057.23 T	0.00	3,057.23
6976 - FRIABLE ASBESTOS 6976 <i>66 tickets and 66 transactions</i>	2,150.22 T	0.00	2,150.22
6980 - FRIABLE ASBESTOS 6980 <i>11 tickets and 11 transactions</i>	364.80 T	0.00	364.80
6986 - FRIABLE ASBESTOS 6986 <i>1 ticket and 1 transaction</i>	3.31 T	0.00	3.31
7004 - FRIABLE ASBESTOS 7004 <i>77 tickets and 77 transactions</i>	1,762.20 T	0.00	1,762.20
7020 - I/C FRIABLE ASBESTOS 7020 <i>8 tickets and 8 transactions</i>	236.87 T	0.00	236.87
BAFA - BAGGED FRIABLE ASBESTOS <i>31 tickets and 31 transactions</i>	405.88 T	0.00	405.88
BUFA - BULK FRIABLE ASBESTOS <i>121 tickets and 121 transactions</i>	2,605.51 T	0.00	2,605.51
FRAS - FRIABLE ASBESTOS WASTE <i>144 tickets and 144 transactions</i>	3,693.22 T	0.00	3,693.22
ASB - ASBESTOS			
ICBA - I/C BAGGED FRIABLE ASBESTOS <i>4 tickets and 4 transactions</i>	14.12 T	0.00	14.12
ICFR - I-C FRIABLE ASBESTOS <i>33 tickets and 33 transactions</i>	771.40 T	0.00	771.40
ASB - ASBESTOS <i>783 tickets and 783 transactions</i>		0.00	18,542.05
BUD - BUD ADC			
2578 - SANDBLAST GRIT 2578 <i>1 ticket and 1 transaction</i>	20.75 T	0.00	20.75
3912 - I/C SANDBLAST GRIT 3912 <i>2 tickets and 2 transactions</i>	37.58 T	0.00	37.58
6778 - PCB CONT SOIL 6778 <i>145 tickets and 145 transactions</i>	4,829.66 T	0.00	4,829.66
ICFW - 1520 IC WOOD ASH <i>1 ticket and 1 transaction</i>	19.98 T	0.00	19.98
UPAS - 1730 AUTO SHREDDER <i>1,514 tickets and 1,514 transactions</i>	55,278.00 T	0.00	55,278.00

BUD - BUD ADC*1,663 tickets and 1,663 transactions*

0.00

60,185.97

BUDSBA - BUD SOLIDIFICATION BULKING AGENT**1730 - ASR BULKING AGENT 1730S***84 tickets and 84 transactions*

2,844.60 T

0.00

2,844.60

BDSL - BUD BULKING AGENT*2 tickets and 2 transactions*

30.75 T

0.00

30.75

BUDSBA - BUD SOLIDIFICATION BULKING AGENT*86 tickets and 86 transactions*

0.00

2,875.35

C&D - CONSTRUCTION DEBRIS**ACCD - ALLEGANY CTY C&D***18 tickets and 18 transactions*

71.06 T

0.00

71.06

AS - NON FRIABLE C&D*49 tickets and 49 transactions*

1,156.88 T

0.00

1,156.88

C&D - CONSTRUCTION DEBRIS**CD - CONSTRUCTION DEBRIS***4,657 tickets and 4,657 transactions*

152,461.13 T

0.00

152,461.13

ICCD - I-C CONSTRUCTION DEBRIS*91 tickets and 91 transactions*

384.07 T

0.00

384.07

ICOD - I/C OLEAN TRANSFER CD*11 tickets and 11 transactions*

207.02 T

0.00

207.02

C&D - CONSTRUCTION DEBRIS*4,826 tickets and 4,826 transactions*

0.00

154,280.16

CS - CONTAMINATED SOIL**CS - CONTAMINATED SOIL***41 tickets and 41 transactions*

1,289.64 T

0.00

1,289.64

CS - CONTAMINATED SOIL*41 tickets and 41 transactions*

0.00

1,289.64

DW - OIL/GAS DRILLING WASTE**DC - DRILL CUTTINGS***79 tickets and 79 transactions*

1,463.32 T

0.00

1,463.32

DW - OIL/GAS DRILLING WASTE

0.00

1,463.32

IND - INDUSTRIAL

4217 - NON-HAZ SOLIDS 4217 <i>58 tickets and 58 transactions</i>	180.17 T	0.00	180.17
4376 - I/C PLANT TRASH 4376 <i>5 tickets and 5 transactions</i>	41.95 T	0.00	41.95
4820 - I/C CHAT PLANT TRASH 4820 <i>4 tickets and 4 transactions</i>	9.59 T	0.00	9.59
4867 - I/C SAWDUST 4867 <i>9 tickets and 9 transactions</i>	44.56 T	0.00	44.56
6090 - I/C PLANT TRASH 6090 <i>13 tickets and 13 transactions</i>	56.32 T	0.00	56.32
6091 - I/C UNUSED PRODUCT 6091 <i>5 tickets and 5 transactions</i>	129.49 T	0.00	129.49

IND - INDUSTRIAL

6534 - I/C PLANT TRASH 6534 <i>53 tickets and 53 transactions</i>	133.35 T	0.00	133.35
6535 - I/C PLANT TRASH 6535 <i>43 tickets and 43 transactions</i>	105.75 T	0.00	105.75
6613 - PROCESSED FOOD WAST 6613A <i>1 ticket and 1 transaction</i>	12.03 T	0.00	12.03
6645 - MIXED PLANT TRASH 6645 <i>107 tickets and 107 transactions</i>	562.50 T	0.00	562.50
6646 - MIXED PLANT TRASH 6646 <i>9 tickets and 9 transactions</i>	42.02 T	0.00	42.02
6687 - I/C FOUNDRY SAND 6687 <i>3 tickets and 3 transactions</i>	40.93 T	0.00	40.93
6699 - OFF-SPEC PAPER PKG 6699 <i>1 ticket and 1 transaction</i>	5.10 T	0.00	5.10
6760 - INCINERATED WWTP ASH 6760 <i>38 tickets and 38 transactions</i>	1,286.97 T	0.00	1,286.97
6849 - I/C USED OIL FILTERS 6849 <i>2 tickets and 2 transactions</i>	2.14 T	0.00	2.14
6864 - METAL GRINDING 6864 <i>3 tickets and 3 transactions</i>	32.44 T	0.00	32.44
6865 - PLANT TRASH 6865	2.15 T	0.00	2.15

1 ticket and 1 transaction

6917 - PCB CONT DEBRIS 6917

59.20 T

0.00

59.20

5 tickets and 5 transactions

6962 - PCB CONT SOIL 6962

78.83 T

0.00

78.83

5 tickets and 5 transactions

6964 - FUEL CONT SOIL 6964

395.47 T

0.00

395.47

17 tickets and 17 transactions

6966 - I/C FLY COAL ASH 6966

0.43 T

0.00

0.43

1 ticket and 1 transaction

6998 - SOIL IMPACTED W/OIL 6998

0.07 T

0.00

0.07

1 ticket and 1 transaction

7018 - ACTIVATED CARBON 7018

653.38 T

0.00

653.38

33 tickets and 33 transactions

ICEQ - CONCRETE/ASPHALT

16.22 T

0.00

16.22

2 tickets and 2 transactions

IND - INDUSTRIAL

ICES - 189 INDUSTRIAL / PLANT TRASH

699.18 T

0.00

699.18

89 tickets and 89 transactions

ICIN - I-C INDUSTRIAL

304.39 T

0.00

304.39

17 tickets and 17 transactions

ICLE - 1548 I/C TOBACCO

216.05 T

0.00

216.05

47 tickets and 47 transactions

ICLV - I/C INDUSTRIAL WASTE

57.26 T

0.00

57.26

4 tickets and 4 transactions

ICPO - 1830 POLYURANTHANE SCRAPS(185)

30.17 T

0.00

30.17

10 tickets and 10 transactions

ICSD - I/C SAPUTO DAIRY TRASH

678.47 T

0.00

678.47

127 tickets and 127 transactions

ICTP - 230 Plant Trash/Powder Paint

8.48 T

0.00

8.48

1 ticket and 1 transaction

ICTQ - 1660 IC General Trash

19.17 T

0.00

19.17

8 tickets and 8 transactions

ICWM - 1931 PLANT TRASH (336)

1.76 T

0.00

1.76

1 ticket and 1 transaction

IN - INDUSTRIAL

1,075.09 T

0.00

1,075.09

35 tickets and 35 transactions

IND - INDUSTRIAL

0.00

6,981.08

758 tickets and 758 transactions

LEACH - LEACHATE

LEACH - LEACHATE

1,720 tickets and 1,720 transactions

11,942,150.00 GAL 0.00 0.00

LEACH - LEACHATE

1,720 tickets and 1,720 transactions

0.00 0.00

MSW - MUNICIPAL SOLID WASTE

ACMS - ALLEGANY CTY MSW

60 tickets and 60 transactions

450.23 T 0.00 450.23

ICAW - I/C Allegany Cty Waste

55 tickets and 55 transactions

185.66 T 0.00 185.66

MSW - MUNICIPAL SOLID WASTE

ICCP - MSW POTTER COUNTY

454 tickets and 454 transactions

7,543.63 T 0.00 7,543.63

ICMS - I-C MSW

1,719 tickets and 1,719 transactions

59,825.71 T 0.00 59,825.71

MS - MSW

3,012 tickets and 3,012 transactions

59,475.43 T 0.00 59,475.43

MSW - MUNICIPAL SOLID WASTE

5,300 tickets and 5,300 transactions

0.00 127,480.66

MX - MIXED C&D AND MSW

ICMX - I-C MSW & CD MIXED TRASH

22 tickets and 22 transactions

86.27 T 0.00 86.27

ICTR - I/C Mixed Waste TT

1,678 tickets and 1,678 transactions

49,658.46 T 0.00 49,658.46

MX - MSW & MIXED TRASH

532 tickets and 532 transactions

12,804.63 T 0.00 12,804.63

MX - MIXED C&D AND MSW

2,232 tickets and 2,232 transactions

0.00 62,549.36

SIM - INDUSTRIAL SOLIDIFICATION

3547 - WET SOLIDS W/OILS 3547

5 tickets and 5 transactions

76.80 T 0.00 76.80

4013 - INDUSTRIAL SLUDGE 4013 <i>5 tickets and 5 transactions</i>	27.31 T	0.00	27.31
4014 - INDUSTRIAL SLUDGE 4014 <i>5 tickets and 5 transactions</i>	19.04 T	0.00	19.04
4155 - NON-HAZ LIQUID 4155 <i>61 tickets and 61 transactions</i>	876.72 T	0.00	876.72
4286 - I/C NON HAZ LIQUIDS 4286 <i>12 tickets and 12 transactions</i>	136.42 T	0.00	136.42
4289 - I/C NON HAZ LIQUID 4289 <i>3 tickets and 3 transactions</i>	28.98 T	0.00	28.98
4392 - OIL/CONDENSED WATER 4392 <i>7 tickets and 7 transactions</i>	119.80 T	0.00	119.80
SIM - INDUSTRIAL SOLIDIFICATION			
4427 - NON-HAZ LIQUID 4427 <i>9 tickets and 9 transactions</i>	57.69 T	0.00	57.69
4774 - NONHAZARDOUS LIQUID4774 <i>2 tickets and 2 transactions</i>	20.79 T	0.00	20.79
4891 - I/C WWTP SLUDGE 4891 <i>3 tickets and 3 transactions</i>	104.81 T	0.00	104.81
4966 - OILY TANK BOTTOMS 4966 <i>60 tickets and 60 transactions</i>	923.01 T	0.00	923.01
6329 - I/C OFF SPEC FOOD 6329 <i>8 tickets and 8 transactions</i>	64.21 T	0.00	64.21
6596 - WASTE BATCH/LATEX 6596 <i>1 ticket and 1 transaction</i>	20.23 T	0.00	20.23
6604 - GLYCOL W/PROD WATER 6604 <i>1 ticket and 1 transaction</i>	11.64 T	0.00	11.64
6755 - OFF SPEC FOOD WASTE 6755 <i>40 tickets and 40 transactions</i>	809.93 T	0.00	809.93
6773 - SULFA TREAT MEDIA 6773 <i>2 tickets and 2 transactions</i>	8.08 T	0.00	8.08
6961 - SOIL CONT W/PCB 6961 <i>1 ticket and 1 transaction</i>	0.33 T	0.00	0.33
6975 - WELL CLEANING SLUDGE 6975 <i>1 ticket and 1 transaction</i>	7.44 T	0.00	7.44
6994 - I/C OFF SPEC FOOD 6994 <i>8 tickets and 8 transactions</i>	67.28 T	0.00	67.28

6999 - OFF SPEC PRODUCTS 6999 <i>4 tickets and 4 transactions</i>	72.15 T	0.00	72.15
7002 - MERCURY CONTAM WATER 7002 <i>2 tickets and 2 transactions</i>	74.83 T	0.00	74.83
ICSO - I/C SOLIDIFICATION <i>7 tickets and 7 transactions</i>	143.31 T	0.00	143.31
MSSL - INDUSTRIAL SOLIDIFICATION <i>122 tickets and 122 transactions</i>	1,844.66 T	0.00	1,844.66
SIM - INDUSTRIAL SOLIDIFICATION <i>369 tickets and 369 transactions</i>		<hr/> 0.00	<hr/> 5,515.46
SS - SEWAGE SLUDGE			
SS - SEWAGE SLUDGE			
4382 - BEACON WWTP SLUDGE 4382 <i>143 tickets and 143 transactions</i>	4,969.94 T	0.00	4,969.94
5738 - NEWBURGH WWTP SLUDGE 5738 <i>158 tickets and 158 transactions</i>	5,671.31 T	0.00	5,671.31
6342 - I/C WWTP SLUDGE 6342 <i>2 tickets and 2 transactions</i>	70.03 T	0.00	70.03
6493 - WWTP SLUDGE 6493 <i>5 tickets and 5 transactions</i>	94.07 T	0.00	94.07
6805 - WWTP SLUDGE 6805 <i>15 tickets and 15 transactions</i>	159.28 T	0.00	159.28
CBSS - 000-117 SEWAGE SLUDGE <i>43 tickets and 43 transactions</i>	1,383.49 T	0.00	1,383.49
ICOS - 582 OLEAN WWTP SLUDGE <i>95 tickets and 95 transactions</i>	1,462.97 T	0.00	1,462.97
ICSC - 244 SUFFOLK COUNTY SLUDGE <i>1,181 tickets and 1,181 transactions</i>	38,284.69 T	0.00	38,284.69
ICSL - I/C SLUDGE <i>112 tickets and 112 transactions</i>	2,093.92 T	0.00	2,093.92
ICWN - 2021 I/C WWTP SLUDGE <i>5 tickets and 5 transactions</i>	86.20 T	0.00	86.20
SL - SLUDGE <i>35 tickets and 35 transactions</i>	276.25 T	0.00	276.25
VWSL - 331 WWTP SLUDGE <i>45 tickets and 45 transactions</i>	645.10 T	0.00	645.10

SS - SEWAGE SLUDGE*1,839 tickets and 1,839 transactions*

0.00

55,197.25**TIRES - CAR AND TRUCK TIRES****CO - CLEAN OUT SERVICE***5 tickets and 5 transactions*

5.00 U

0.00

0.00

DO - DIG OUT SERVICE*161 tickets and 161 transactions*

164.00 U

0.00

0.00

ICDO - I-C DIG OUT SERVICE*29 tickets and 29 transactions*

29.00 U

0.00

0.00

ICTI - CAR TIRE REGULAR*56 tickets and 56 transactions*

149.00 U

0.00

0.00

TIRES - CAR AND TRUCK TIRES**ICTT - I-C TRAILER TIRE***13 tickets and 13 transactions*

27.00 U

0.00

0.00

MBTI - MBI TIPPER CHARGE*3,609 tickets and 3,609 transactions*

3,609.00 U

0.00

0.00

MBTP - I/C MBI TIPPER*1,298 tickets and 1,298 transactions*

1,298.00 U

0.00

0.00

TI - CAR TIRES - REGULAR*65 tickets and 65 transactions*

221.00 U

0.00

0.00

TT - TRAILER TIRE*27 tickets and 27 transactions*

60.00 U

0.00

0.00

TIRES - CAR AND TRUCK TIRES*5,072 tickets and 5,263 transactions*

0.00

0.00**Report Grand Totals***19,696 tickets and 24,959 transactions*

0.00

496,360.30

ATTACHMENT 11 – BUD Material Delivered on a Monthly Basis

RpCatMat.rpt

Category: BUD

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 10/01/2017 through 10/31/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER	4,579.34 T	0.00	4,579.34
<i>126 tickets and 126 transactions</i>			
BUD - BUD ADC		<hr/>	<hr/>
<i>126 tickets and 126 transactions</i>		0.00	4,579.34
<u>Report Grand Totals</u>		<hr/>	<hr/>
<i>126 tickets and 126 transactions</i>		0.00	4,579.34
		<hr/>	<hr/>

RpCatMat.rpt

Category: BUD

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 11/01/2017 through 11/30/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER	4,010.47 T	0.00	4,010.47
<i>109 tickets and 109 transactions</i>			
BUD - BUD ADC		<u>0.00</u>	<u>4,010.47</u>
<i>109 tickets and 109 transactions</i>			
<u>Report Grand Totals</u>		<u>0.00</u>	<u>4,010.47</u>
<i>109 tickets and 109 transactions</i>			

RpCatMat.rpt

Category: BUD

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 12/01/2017 through 12/31/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
BUD - BUD ADC			
UPAS - 1730 AUTO SHREDDER	5,868.70 T	0.00	5,868.70
<i>168 tickets and 168 transactions</i>			
BUD - BUD ADC		<hr/>	<hr/>
<i>168 tickets and 168 transactions</i>		0.00	5,868.70
<u>Report Grand Totals</u>		<hr/>	<hr/>
<i>168 tickets and 168 transactions</i>		0.00	5,868.70
		<hr/>	<hr/>

RpCatMat.rpt

Category: BUDSBA

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 10/01/2017 through 10/31/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
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BUDSBA - BUD SOLIDIFICATION BULKING AGENT

1730 - ASR BULKING AGENT 1730S

7 tickets and 7 transactions

238.69 T 0.00 238.69

BUDSBA - BUD SOLIDIFICATION BULKING AGENT

7 tickets and 7 transactions

0.00 238.69

Report Grand Totals

7 tickets and 7 transactions

0.00 238.69

RpCatMat.rpt

Category: BUDSBA

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 11/01/2017 through 11/30/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
BUDSBA - BUD SOLIDIFICATION BULKING AGENT			
1730 - ASR BULKING AGENT 1730S	210.82 T	0.00	210.82
<i>6 tickets and 6 transactions</i>			
BUDSBA - BUD SOLIDIFICATION BULKING AGENT		<u>0.00</u>	<u>210.82</u>
<i>6 tickets and 6 transactions</i>			
<u>Report Grand Totals</u>		<u>0.00</u>	<u>210.82</u>
<i>6 tickets and 6 transactions</i>			

RpCatMat.rpt

Category: BUDSBA

Site ID: All

Hyland Facility Associates

Category / Material Report

Transactions from 12/01/2017 through 12/31/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Material Summary

	BillUnits	Cubic Yards	Tons
BUDSBA - BUD SOLIDIFICATION BULKING AGENT			
1730 - ASR BULKING AGENT 1730S <i>6 tickets and 6 transactions</i>	205.70 T	0.00	205.70
BDSL - BUD BULKING AGENT <i>2 tickets and 2 transactions</i>	30.75 T	0.00	30.75
BUDSBA - BUD SOLIDIFICATION BULKING AGENT <i>8 tickets and 8 transactions</i>		<u>0.00</u>	<u>236.45</u>
<u>Report Grand Totals</u> <i>8 tickets and 8 transactions</i>		<u>0.00</u>	<u>236.45</u>

ATTACHMENT 12 – Leachate Treatment Facility

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7070 | F: (716) 851-7009
www.dec.ny.gov

September 16, 2016

Mayor and Village Board
Village of Belmont
1 Schuyler Street
Belmont, New York 14812

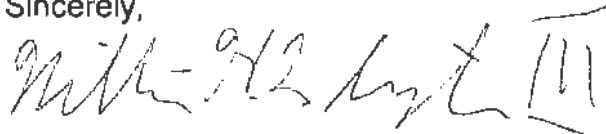
Dear Mayor and Village Board Members:

Acceptance of Landfill Leachate
Wastewater Treatment Facility
Belmont (V), Allegany County
SPDES Permit #NY 0031844

I have reviewed the Village's request to accept landfill leachate from Highland Landfill and the associated Maximum Allowable Headworks Loading (MAHL) analyses. While the MAHL indicates the plant can process up to 7,500 gallons of leachate per day, this amount would represent a significant portion of the average flow to the plant which would suggest a mini pretreatment program and permit modification would be necessary. However, if loads of 7,200 gallons are metered into the plant over two days, the overall percentage of flow is low enough to authorize without a permit modification or mini pretreatment program. You are therefore authorized to accept this waste at the 7,200 gallons metered into the plant over two days.

If you have any questions, you can contact me at (716) 851-7070.

Sincerely,



William H. L. Smythe III, P.E.
Environmental Engineer 2

cc: Mr. Bob Elias, Chief Operator, Village of Belmont
Brian Boorsma P.E., MRB Group
Bill Davis P.E., MRB Group
Allegany County Health Department



Department of
Environmental
Conservation

AGREEMENT

Made this 22 day of September, 2016, by and between Casella Waste Systems, Inc., 6653 Herdman Road, Angelica, New York, 14709, hereafter called "Casella", and the Village of Belmont, a municipal corporation in the County of Allegany, with village offices at 1 Schuyler Street, Belmont, New York, 14813, hereafter called the "Village".

WITNESSETH:

WHEREAS, Casella's Highland Facility Landfill generates leachate which must be treated before it can be disposed of, and

WHEREAS, the Village of Belmont wastewater treatment plant has the capability to treat leachate,

NOW, THEREFORE, in consideration of the covenants and promises hereinafter set forth, the parties hereto agree as follows:

1. The Village shall accept for treatment leachate, which is generated at the Hyland Facility Landfill and which is delivered, at Casella's expense, to the Village's wastewater treatment plant.
2. Casella shall negotiate with the Village, or its duly appointed agent, servant, or employee, a schedule for delivery of leachate for disposal, which disposal shall be at times mutually agreed between Casella and the operator at the wastewater treatment plant. The Village may temporarily suspend the receipt of leachate at any time due to issues with plant operation, low flow, etc.
3. Casella agrees to dispose of only those amounts that are acceptable to the treatment plant operator. The parties agree that a target of three loads per week has been set but is subject to change based on the Treatment Plants ability to properly treat the leachate. Casella will have first right of refusal should the Village decide to accept more leachate into the treatment facility.
4. Casella agrees to perform all dumping directly into the facility designated by the plant operator, with Casella being responsible for spillage on streets or other surfaces, or splattering on the adjacent walls, with such responsibility to insure that should any such spillage or splattering occur, it will be immediately cleaned up.
5. Casella will insure that the rate of discharge is not in excess of the maximum designed flow of the treatment process, and will regulate the discharge rate according to the directive of the plant operator.

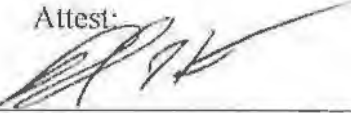
6. Casella guarantees that the leachate when delivered to the plant will be in compliance with all standards and requirements established by statute, law, rule or regulation that applies to or affects the treatment of the leachate in the plant. In this connection, Casella shall transmit to the Village the results of all tests, which are relevant to the treatment of leachate at a wastewater treatment plant, done in their testing sequence as they become available.
7. Each vehicle loaded with leachate for delivery at the plant shall be weighed by Casella at the Hyland Landfill before delivery. Thereafter, Casella shall prepare a weight ticket containing: (1) the gross weight, tare weight and net weight (payload) of vehicle; (2) the date and time of the weighing which shall also be the date of the delivery of the leachate; (3) the vehicle number, and (4) the name of the transporter. The weight ticket or a true copy thereof shall be given by the transporter to the plant operator on the date of such delivery.
8. The net weight of the leachate, as shown on the weight ticket, shall be the basis for determining the number of gallons accepted for treatment by the Village. The formula for such basis shall be the net weight of the leachate divided by 8.3 pounds which is the weight of one gallon.
9. Casella shall pay the Village a tipping fee of three and two tenths cents (\$.032) per gallon of leachate delivered and accepted for treatment at the plant. In addition Casella shall reimburse the Village any cost related to testing for acceptance of the leachate. Payment shall be made pursuant to an invoice prepared by the Village and submitted to Casella. Invoices and payments will be done on a monthly basis.
10. Any notices with regard to this contract shall be given to ~~(Name, Title and Address)~~ ^{TEI} or to the Village of Belmont Mayor, or his duly authorized representative, 1 Schuyler Street, Belmont, New York 14813.
11. The term of this Agreement shall be 10 yr, 2004, and shall expire 9/30, 2014.
12. Either party may terminate this Agreement with a written notice of termination; such termination to take effect on the thirtieth (30th) calendar day from the date of mailing or delivery of such written notice from one party to the other.

IN WITNESS WHEREOF, the parties hereto have affixed their seals hereto and caused these presents to be signed by their respective duly authorized officers pursuant to a resolution of the Casella Board duly adopted on the 26th day of SEPTEMBER, 2014, and pursuant to a resolution of the Village of Belmont Board duly adopted on the 1st day of August, 2016.

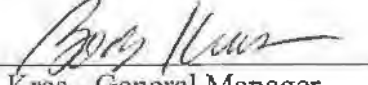
Village of Belmont

By: 
Mayor

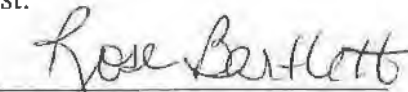
Attest:

By: 
Village Clerk

Casella Waste Systems, Inc.

By: 
Bob Kras - General Manager

Attest:

By: 
Rose Bartlett - Staff Accountant

Steuben County
Department of Public Works

County Office Building
3 E. Pulteney Square
Bath, New York 14810

Vincent Spagnoletti
Commissioner

Phone (607) 664-2460
Fax (607) 664-2167

January 25, 2018

Michelle McCloskey
Casella Waste Systems, Inc.

Re: *Steuben County Leachate Pre-Treatment Facility*
Authorization for Treatment

Dear Ms. McCloskey:

Casella Waste Systems, Inc. is authorized to deliver leachate for treatment at the Steuben County Leachate Pre-Treatment Facility from the following locations:

Hakes C&D Landfill – Campbell, NY
Bath Transfer Station – Bath, NY
Hyland Facility – Angelica, NY
Chemung County Landfill, Chemung, NY

The disposal fee for this material is currently \$10.00/ton.

Please contact me if you have any questions or need additional information.

Very truly yours,



Richard Bills
Environmental Project Coordinator

Cc: S. Orcutt– Assistant Commissioner
B. Chaffee – Pretreatment Plant Operator

December 22, 2017

Ms. Michelle McCloskey
Hyland Landfill
6653 Herman Road
Angelica, New York 14709

RE: Leachate Disposal from
NYSDEC Facility Code: SW 02A17

Dear Ms. McCloskey:

The Hyland Landfill is authorized to bring landfill leachate for disposal to the Village of Westfield Water Pollution Control Facility in 2018, SPDES Permit #NY-0021334, in accordance with all applicable State and Federal Regulations.

Our facility is capable of accepting 100,000 gallons per day of leachate and has storage capacity which could be utilized in an emergency. It is expected that you will notify us 24 hours in advance of any deliveries of leachate. Please forward, to my attention, any current test results you have on your leachate. Our current rate for leachate is \$20 per thousand gallons.

Please call with any questions at 716-326-3932.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew Thompson', with a long horizontal line extending to the right.

Andrew Thompson
Chief Operator
Village of Westfield WPCF



PO Box 700
Jamestown, NY 14702-0700
Phone (716) 661-1653
Fax (716) 665-2785

ELECTRIC
DISTRICT HEAT
WATER
WASTEWATER
SOLID WASTE

December 26, 2017

Hyland Facility Associates
6653 Herdman Road
Angelica, NY 14709

The Jamestown Board of Public Utilities will accept leachate generated at your facility. We would accept up to a maximum of 30,000 gallons per day. You will be billed at a rate of **\$ 0.0200** per gallon, or **\$20.00** per 1,000 gallons. Please call prior to delivery (716) 661-1653 and check with me on our plant's capacity.

We have limited our hours for deliveries from 7:00 AM to 6:00 PM, Monday through Friday, and 7:00 AM to Noon on Saturday.

Should you have any questions, please do not hesitate to contact this office.

Sincerely,

Keith Vanstrom
Chief Operator
Jamestown WWTP

Village of Wellsville
Department of Public Works
200 Bolivar Road
Wellsville, NY 14895

Phone: 585-593-1850

FAX: 585-593-1856

January 9, 2018

Mr. Robert Kras
Hyland Facility
6635 Herdman Road
Angelica, NY 14709

RE: Leachate Disposal Agreement

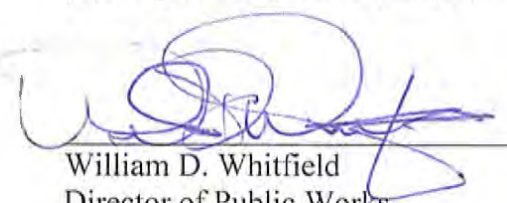
Dear Mr. Kras:


This letter is to confirm that Hyland Facility may continue to dispose of leachate at our Wastewater Treatment Facility through the year 2018. The per-gallon rate structure will remain the same at \$ 0.03 per gallon through December 31, 2018.

The Village of Wellsville will not accept any material that will violate our TOG's, a copy of which can be obtained from the Village of Wellsville upon request.

Hyland will fully and promptly indemnify, save and hold harmless the Village of Wellsville and all of its officers, agents, and employees from and against any and all liability of any type whatsoever, including but not limited to damages, expenses, causes of action, lawsuits, claims, penalties, fines, assessments or judgments which may arise out of or occur in connection with the Village's acceptance of Hyland's Facility leachate at the Wellsville Wastewater Facility.

Please sign and return one copy of this letter to my attention. If you have any questions, please give me a call at (585) 596-1710.


William D. Whitfield
Director of Public Works


Robert Kras - Hyland Facility

WDW:dh

Cc: Mayor Randy Shayler
Mike Smith, Chief Operator

ATTACHMENT 13 – Leachate Haulers/Backup Leachate Haulers

MAYBEE ENTERPRISES INC

5044 RT 244 PO BOX 26 BELMONT NY 14813

585-268-5384/FAX 585-268-5385

MaybeEnterprises5384@gmail.com

2018 LEACHATE DESTINATION QUOTE (7,200 GAL TANKER)

BATH	\$315
BELMONT	\$175
BOLIVAR	\$225
FRIENDSHIP	\$195
HOUGHTON	\$225
JAMESTOWN	\$390
WELLSVILLE	\$210
WESTFIELD	\$495

Lance Stevens

From: Michelle McCloskey
Sent: Monday, February 26, 2018 1:50 PM
To: Lance Stevens
Subject: FW: quote Dickson's

From: a.sturtz@dicksonsenvironmental.com [mailto:a.sturtz@dicksonsenvironmental.com]
Sent: Friday, December 22, 2017 10:06 AM
To: Michelle McCloskey <Michelle.McCloskey@casella.com>
Subject: RE: quote

Michelle,
The pricing for 2018 will be .05 cents per gallon. This price is based on 3 loads per trip which includes the backhaul to bath. Have Bob contact Phil with any questions he may have regarding this quote. 607-368-0543.

*Thanks,
Alyse Sturtz
607.776.7997
Dickson Environmental Services
Leo Dickson & Sons Farm
Dickson Landholdings LLC*

----- Original Message -----

Subject: RE: quote
From: Michelle McCloskey <Michelle.McCloskey@casella.com>
Date: Thu, December 21, 2017 1:36 pm
To: "a.sturtz@dicksonsenvironmental.com"
<a.sturtz@dicksonsenvironmental.com>

Alyse Can I get pricing for all locations for 2018 , Thank you

Happy Holidays

From: a.sturtz@dicksonsenvironmental.com [mailto:a.sturtz@dicksonsenvironmental.com]
Sent: Tuesday, November 14, 2017 2:47 PM
To: Michelle McCloskey <Michelle.McCloskey@casella.com>
Subject: quote

Michelle,

Phil said .04 which would include a back haul to bath. If you have any questions have Bob call Phil.

*Thanks,
Alyse Sturtz
607.776.7997
Dickson Environmental Services*

***Leo Dickson & Sons Farm
Dickson Landholdings LLC***

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M & T Trucking Inc.

532 Peoria Road
Pavillion, New York 14525
ph 585-584-3763 * fax 585-584-3446
www.mandttrucking.com

December 1, 2017

Our rate to haul Leachate from your facility in Angelica to Jamestown is \$.048 per gallon. This rate is good from this point on through all of 2018.

If you have any questions call me at your convenience.

Thank you,

Mark Cole

585-509-0621



2001 2002 2003 2004 2005 2006 2007 2008

ATTACHMENT 14 – Site Life Computation/Soil Balance/Topographic Map

ATTACHMENT 15 – Summary of Breakout Inspections

Hyland Landfill-Breakouts Identified in 2017

Date	# of Breakouts	Location	Action
1/13/2017	1	West Slope Cell 2	Excavated/Drained/Covered/Tracked
1/16/2017	1	West Slope Cell 2	Excavated/Installed drainage pipe to stone layer
2/20/2017	4	3 on SE Slope of 4C, 1 on West Slope Cell 2	Covered/Tracked in on 4C, West Slope-Excavated/Installed drainage pipe to stone layer
4/3/2017	6	3-South Slope of Cell 4A, 3 on SE Slope of Cell 3	South Slope 4A-Excavated/Installed drainage pipe, Excavated/Drained/Covered/Tracked, Cell 3-Covered/Tracked
4/5/2017	2	South Slope Cell 4A	Excavated/Installed drainage pipe
4/6/2017	2	SW Slope Cell 3	Excavated/Installed drainage pipe
4/21/2017	1	SE Slope Cell 4C	Excavated/Installed drainage pipe to stone layer
5/2/2017	1	SE Slope Cell 4C	Excavated/Installed drainage pipe
5/15/2017	1	West Slope of Cell 3	Excavated/Drained/Covered/Tracked
5/16/2017	1	NE Corner of Cell 4C	Covered/Tracked in
6/12/2017	1	East slope Cell 2	Excavated/Drained/Covered/Tracked
7/3/2017	1	SW Corner of Cell 4C	Excavated/Drained/Covered/Tracked
7/17/2017	1	SW Corner of Cell 3	Excavated/Installed Drainage Pipe
7/21/2017	1	NW Corner of Cell 1	Covered/Tracked in
8/1/2017	3	West Slope Cell 1	Excavated/Installed Drainage Pipe
8/7/2017	1	East Slope of Cell 2	Excavated/Drained/Covered/Tracked
8/9/2017	1	East Slope of Cell 2	Covered/Tracked in
8/10/2017	2	1-East Slope Cell 1, 1-East Slope Cell 2	Excavated/Installed Drainage Pipe
8/14/2017	1	West Slope Cell 2	Excavated/Drained/Covered/Tracked
8/17/2017	1	East Slope Cell 1	Excavated/Installed Drainage Pipe
8/29/2017	1	SE Slope Cell 4C	Covered/Tracked in
8/30/2017	2	SE Slope Cell 4C	Excavated/Drained/Covered/Tracked
9/11/2017	1	NW Slope Cell 1	Covered/Tracked in
9/25/2017	1	East Slope Cell 1	Excavated/Drained/Covered/Tracked
10/4/2017	1	East Slope Cell 1	Covered/Tracked in
10/11/2017	1	West Slope Cell 1	Excavated/Installed Drainage Pipe
10/13/2017	1	SE Slope of Cell 3	Excavated/Drained/Covered/Tracked
10/16/2017	1	East Slope Cell 1	Covered/Tracked in
10/25/2017	1	NW Slope Cell 1	Excavated/Installed Drainage Pipe
11/1/2017	2	West Slope Cell 2	Covered/Tracked in
11/7/2017	2	West Slope Cell 2	Covered/Tracked in
11/9/2017	1	West Slope Cell 2	Covered/Tracked In
11/27/2017	1	SE Slope of Cell 4C	Covered/Tracked in
	49		

ATTACHMENT 16 – Pro-Control Evaluation

Pro Control Quarterly System Integrity Evaluation

Date: 11/11/17

Year and Quarter:

2017

Individual Completing the Evaluation (2 minimum):

Josh Haley, Clayton Hotchkiss

Identify, if any, issues remaining since last quarterly evaluation:

None

List all individuals set to receive an alarm message when conditions warrant.

Name	Title / Position	e-mail address
Robert Kras	General Manager	Robert.Kras@Hotchkiss-Casella.com
Josh Haley	Operations Manager	Joshua.Haley@casella.com
Clayton Hotchkiss	Compliance Technician	clayton.Hotchkiss@casella.com
Mike Abbott	Engineer	mabbott@SmyrnaWood.com

Sign-Off (signature required for individuals completing the evaluation and those on the alarm message system verifying receipt of a system alarm via e-mail).

Name	Signature	Date
Josh Haley	<i>Josh Haley</i>	11/11/17
Clayton Hotchkiss	<i>Clayton Hotchkiss</i>	11/11/17

Date:
 Task:
 Individuals Completing Evaluation:

CELL 1 & 2 CONTROL PANEL

Task No.	Task Description	Cell Designation					
		Cell 1 Primary	Cell 2 Primary	Cell 1 A/B Secondary	Cell 1 C/D Secondary	Cell 2 E/F Secondary	Cell 2 G/H Secondary
	Pre-Control Software Settings (office)						
1	"Pump-On" High Level Liquid Level (inches)	20.7	17.4	20.1	20.1	20.1	19.5
2	"Pump-Off" Low Liquid Level (inches)	7.8	7.0	8.4	7.1	7.1	7.5
3	"High - High" Level Alarm Set-Point (inches)	23.9	23.9	21.4	23.3	23.6	23.4
4	"Low - Low" Level Alarm Set-Point (inches)	3.9	4.5	4.5	3.9	4.0	3.9
5	Sump Liquid Level (inches) - Read at same time as Task 7	16.3	14.1	11.7	18.2	10.3	11.2
6	Cumulative Gallons Pumped (gallons) - Read at same time as Task 5	2752259	32287627	627999	59826 59826	319292	188881
	Control-Panel Readout (field)						
7	Sump Liquid Level (inches)	16.5	14.1	11.8 11.8	18.1	10.2	11.2
8	Does Task 7 match Task 5? (yes or no)	Yes	Yes	Yes	Yes	Yes	Yes
9	Cumulative Gallons Readout (gallons)	722455	357009	652430	80805	317422	166457
10	Does Task 9 match Task 6? (yes or no)	Yes	No	No	No	No	No
11	Push the Pump Inhibit Button. Do any lights stay on? If so describe	No	No	No	No	No	No
	Activate Pump (Manually)						
12	Control Panel Sump Level Readout Following Pumping (inches)	7.8	7.1	8.5	7.3	7.5	7.5
13	Does Task 12 match Task 2? (yes or no)	Yes	Yes	Yes	Yes	Yes	Yes
14	Cumulative Gallons Readout (gallons)	27512439	357382	652450 652450	80812	317430	317440
15	Gallons Pumped (Task No. 14 - Task 5) - gallons	180 180	333 333	20 20	7 7	10 10	10 10
	Activate High-High Level Alarm						
16	Adjusted High-High Level to Activate Alarm (inches)	7.4	6.3 6.3	8.0	6.5	7.0 7.0	7.1
17	Light Activated? (yes or no)	Yes	Yes	Yes	Yes	Yes	Yes
18	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	No will not send email while connected Data Enclosed					
	Activate Low-Low Level Alarm						
19	Adjusted Low-Low Level to Activate Alarm (inches)	8.3	8.0	9.0	9.0	8.0 8.0	8.0
20	Light Activated? (yes or no)	Yes	Yes	Yes	Yes	Yes	Yes
21	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	No will not send email while connected Data Enclosed					
22	Follow-Up Activities (Yes or No), if yes list below	No	No	No	No	No	No

Follow-Up Activities:

Date:

Time:

Individuals Completing Evaluation:

CELL 3 & 4 CONTROL PANELS

Task No.	Task Description	Cell Designation			
		Cell 3 Primary	Cell 3 Secondary	Cell 4 Primary	Cell 4 Secondary
Pre-Control Software Settings (office)					
1	"Pump-On" High Level Liquid Level (inches)	20.1	19.4	20.1	20.1
2	"Pump-Off" Low Liquid Level (inches)	7.3	10.3	7.8	7.8
3	"High - High" Level Alarm Set-Point (inches)	23.9	23.3	23.9	23.3
4	"Low - Low" Level Alarm Set-Point (inches)	4.0	3.9	3.9	3.0
5	Sump Liquid Level (inches) - Read at same time as Task 7	19.4	11.6	15.7	19.0
6	Cumulative Gallons Pumped (gallons) - Read at same time as Task 9	46284197	8016625	23145534	346146
Control-Panel Readout (field)					
7	Sump Liquid Level (inches)	19.2	11.7	15.7	19.1
8	Does Task 7 match Task 8? (yes or no)	YES	YES	YES	YES
9	Cumulative Gallons Readout (gallons)	702654	253425	482740	15331
10	Does Task 9 match Task 9? (yes or no)	NO	NO	NO	NO
11	Push the Pump Inhibit Button. Do any lights stay on, if so describe.	NO	NO	NO	NO
Activate Pump (Manually)					
12	Control Panel Sump Level Readout Following Pumping (inches)	7.4	10.6	7.9	7.6
13	Does Task 12 match Task 2? (yes or no)	YES	YES	YES	YES
14	Cumulative Gallons Readout (gallons)	722930	253492	48300	15379
15	Gallons Pumped (Task No. 14 - Task 9) - gallons	176	67	270	42
Activate High-High Level Alarm					
16	Adjusted High-High Level to Activate Alarm (inches)	6.5	10.0	7.0	7.3
17	Light Activated? (yes or no)	YES	YES	YES	YES
18	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	NO	NO	NO	NO
Activate Low-Low Level Alarm					
19	Adjusted Low-Low Level to Activate Alarm (inches)	8.0	11.0	8.5	8.3
20	Light Activated? (yes or no)	YES	YES	YES	YES
21	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	NO	NO	NO	NO
22	Follow-Up Activities (Yes or No), if yes list below	NO	NO	NO	NO

Follow-Up Activities:

Date:

Time:

Individuals Completing Evaluation:

SURFACE IMPOUNDMENT CONTROL PANELS

Task No.	Task Description	Surface Impoundment Designation			
		Bay 1 Primary	Bay 1 Secondary	Bay 2 Primary	Bay 2 Secondary
Pre-Control Software Settings (Office)					
1	"Pump-On" High Level Liquid Level (inches)	NA	NA 20.7	NA	NA 21.4
2	"Pump-Off" Low Liquid Level (inches)	NA	NA 7.8	NA	NA 7.8
3	"High - High" Level Alarm Set-Point (inches)	14.0	23.6	14.0	23.3
4	"Low - Low" Level Alarm Set-Point (inches)	1.7	1.0	0.5	2.6
5	Sump Liquid Level (inches) - Read at same time as Task 7	4.1	12.8	4.7	7.4
6	Cumulative Gallons Pumped (gallons) - Read at same time as Task 5	907108	557181	907108	4224200
Control Panel Readout (Field)					
7	Sump Liquid Level (inches)	4.3	12.8	4.6	7.4
8	Does Task 7 match Task 5? (yes or no)	YES	YES	YES	YES
9	Cumulative Gallons Readout (gallons)	907108	67537	907108	15540
10	Does Task 9 match Task 5? (yes or no)	YES	NO	YES	NO
11	Push the "Pump Inhibit" Button. Do any lights stay on, if so describe.	NO	NO	NO	NO
Activate Pumps (Manually) - Leachate Hauling Truck Will Be Required or Transfer from One Bay to the Other Bay					
12	Control Panel Sump Level Readout Following Pumping (inches)	NA - Pump a minimum of 1,000 gallons	7.8	NA - Pump a minimum of 1,000 gallons	7.4
13	Does Task 12 match Task 7? (yes or no)	YES	YES	YES	YES
14	Cumulative Gallons Readout (gallons)	908108 1500	65756	1537 910145	15630
15	Gallons Pumped (Task No. 14 - Task 9) - gallons	1000	19	1537	90
Activate High-High Level Alarm					
16	Adjusted High-High Level to Activate Alarm (inches)	3.0	7.0	4.0	6.5
17	Light Activated? (yes or no)	YES	YES	YES	YES
18	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	NO	NO	NO	NO
Activate Low-Low Level Alarm					
19	Adjusted Low-Low Level to Activate Alarm (inches)	4.5	3.3	5.6	8.0
20	Light Activated? (yes or no)	YES	YES	YES	YES
21	e-mail confirmation (yes or no) - Attach copy of e-mail from all recipients	NO	NO	NO	NO
22	Follow-Up Activities (Yes or No), if yes list below	NO	NO	NO	NO
23	Surface Impoundment Capacity Test - Does the system shut down when High-High Level is Activated? (yes or no)	YES	NA	YES	NA

Follow-Up Activities: