

MSW, INDUSTRIAL OR ASH LANDFILL ANNUAL/QUARTERLY REPORT

Submit the Annual Report no later than March 1, 2020.

A. This annual/quarterly report is for the year of operation from January 01, 2019 to December 31, 2019

B. Quarterly Report for: ☐ Quarter 1 ☐ Quarter 2 ☐ Quarter 3 ☐ Quarter 4

SECTION 1 – FACILITY INFORMATION

FACILITY INFORMATION			
FACILITY NAME: City of Auburn Landfill			
FACILITY LOCATION ADDRESS: 311 North Division Street	FACILITY CITY: Auburn	STATE: NY	ZIP CODE: 13021
FACILITY TOWN: Auburn	FACILITY COUNTY: Cayuga	FACILITY PHONE NUMBER: 315-252-6441	
FACILITY NYS PLANNING UNIT: (A list of NYS Planning Units can be found at the end of this report). Cayuga County			NYSDEC REGION #: 7
360 PERMIT #: 7-0501-00042/0003	DATE ISSUED: 10/18/2019	DATE EXPIRES: 10/17/2029	NYS DEC ACTIVITY CODE OR REGISTRATION NUMBER: 06S14
FACILITY CONTACT: Mike Talbot	<input checked="" type="checkbox"/> public <input type="checkbox"/> private	CONTACT PHONE NUMBER: 315-253-9554	CONTACT FAX NUMBER: 315-252-5330
CONTACT EMAIL ADDRESS: mtalbot@auburnny.gov			
OWNER INFORMATION			
OWNER NAME: City of Auburn	OWNER PHONE NUMBER: 315-253-9554	OWNER FAX NUMBER: 315-252-5330	
OWNER ADDRESS: 24 South Street	OWNER CITY: Auburn	STATE: NY	ZIP CODE: 13021
OWNER CONTACT: Mike Talbot	OWNER CONTACT EMAIL ADDRESS: mtalbot@auburnny.gov		
OPERATOR INFORMATION			
OPERATOR NAME: <input checked="" type="checkbox"/> same as owner		<input checked="" type="checkbox"/> public <input type="checkbox"/> private	
PREFERENCES			
Preferred address to receive correspondence: <input type="checkbox"/> Other (provide):	<input checked="" type="checkbox"/> Facility location address	<input type="checkbox"/> Owner address	
Preferred email address: <input type="checkbox"/> Other (provide):	<input checked="" type="checkbox"/> Facility Contact	<input type="checkbox"/> Owner Contact	
Preferred individual to receive correspondence: <input type="checkbox"/> Other (provide):	<input checked="" type="checkbox"/> Facility Contact	<input type="checkbox"/> Owner Contact	

Did you operate in 2019? ☒ Yes; Complete this form.

☐ No; Complete and submit Sections 1 and 23. 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?

54,901

Cubic Yards of Airspace

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

0.64

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?

25,102

Cubic Yards of Airspace

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

1 Years 0 Months

at 15,600 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

X	Estimated future disposal
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100
13	100
14	100
15	100
16	100
17	100
18	100
19	100
20	100
21	100
22	100
23	100
24	100
25	100
26	100
27	100
28	100
29	100
30	100
31	100
32	100
33	100
34	100
35	100
36	100
37	100
38	100
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76	100
77	100
78	100
79	100
80	100
81	100
82	100
83	100
84	100
85	100
86	100
87	100
88	100
89	100
90	100
91	100
92	100
93	100
94	100
95	100
96	100
97	100
98	100
99	100
100	100

Permit limit

Other (explain): _____

- ### 3. Permitted Capacity Still to be Constructed

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

0

Cubic Yards of Airspace

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

n/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): n/a

4. Capacity Proposed in a Part 360 Permit Application

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

0 Cubic Yards of Airspace

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

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

0 Cubic Yards of Airspace

SECTION 3 - PRIMARY LEACHATE

Name of off-site leachate treatment facility(s) utilized: City of Auburn 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)					
	Cell 1 29.3 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 29.3 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January	1,345,617.90						1,345,617.90					
February	1,295,919.00						1,295,919.00					
March	1,034,163.50						1,034,163.50					
April	1,093,129.60						1,093,129.60					
May	1,150,261.70						1,150,261.70					
June	858,074.40						858,074.40					
July	1,351,551.10						1,351,551.10					
August	657,453.70						657,453.70					
September	527,552.90						527,552.90					
October	1,006,053.90						1,006,053.90					
November	837,466.90						837,466.90					
December	1,329,549.00						1,329,549.00					
ANNUAL	12,386,510.00						12,386,517.00					

	PRIMARY LEACHATE RECIRCULATED (GALLONS)						PRIMARY LEACHATE TREATED ON SITE (GALLONS)					
	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres	Cell 1 Acres	Cell 2 Acres	Cell 3 Acres	Cell 4 Acres	Cell 5 Acres	Cell 6 Acres
January	n/a						n/a					
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:

Please refer to attachments for leachate line cleaning logs.

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:

Please refer to the Fourth Quarter/Annual Monitoring Report prepared by Barton & Loguidice and sent under separate cover.

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:

Leachate tables are attached.

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

Leachate Cost: (including transportation if appropriate) during the calendar year for leachate treatment: \$ 100,000

Total quantity treated: 12,461,760 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)					
	Cell 1 7.1 Acres	Cell 2 4.3 Acres	Cell 3 8.2 Acres	Cell 4 9.5 Acres	Cell 5 ___ Acres	Cell 6 ___ Acres	Cell 1 7.1 Acres	Cell 2 4.3 Acres	Cell 3 8.2 Acres	Cell 4 9.5 Acres	Cell 5 ___ Acres	Cell 6 ___ Acres
January	2,112.00	384.10	6,378.00	548.00			2,112.00	384.10	6,378.00	548.00		
February	2,902.00	339.00	5,480.00	0.00			2,902.00	339.00	5,480.00	0.00		
March	2,025.00	312.50	4,500.00	119.00			2,025.00	312.50	4,500.00	119.00		
April	2,513.00	384.40	5,097.00	476.00			2,513.00	384.40	5,097.00	476.00		
May	3,086.00	321.30	4,091.00	0.00			3,086.00	321.30	4,091.00	0.00		
June	1,163.00	150.60	1,275.00	457.00			1,163.00	150.60	1,275.00	457.00		
July	274.00	128.90	179.00	27.00			274.00	128.90	179.00	27.00		
August	349.00	202.30	1,343.00	172.00			349.00	202.30	1,343.00	172.00		
September	247.00	137.10	543.00	0.00			247.00	137.10	543.00	0.00		
October	9,590.00	333.70	4,250.00	216.00			9,590.00	333.70	4,250.00	216.00		
November	1,143.00	367.10	3,423.00	0.00			1,143.00	367.10	3,423.00	0.00		
December	1,708.00	330.00	6,110.00	63.00			1,708.00	330.00	6,110.00	63.00		
ANNUAL	27,112.00	3,391.00	42,669.00	2,078.00			27,112.00	3,391.00	42,669.00	2,078.00		

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

SECTION 5 – BENEFICIAL USE DETERMINATION MATERIALS AND ALTERNATIVE OPERATING COVER MATERIALS

For each type of waste material that the Department has approved for use as alternative operating cover (AOC), intermediate cover, or other landfill material, provide the annual weight in tons, use (i.e., operating 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	1.67	AOC	Cayuga County	Cayuga County	NY	City of Auburn
Glass						
Industrial Waste (specify)						
MSW Ash						
Wood Ash						
Paper Mill Sludge						
Processed C&D						
Waste Tire-Derived Aggregate /						
Waste Tires						
Other (specify) Petroleum Contaminated Soil	8393.98	AOC	Cayuga County	Cayuga County	NY	Various Contractors, Central NY
Total AOC	8,395.65					
Total Beneficial Use Determination Materials	8,395.65					

Percent Alternative Operating Cover (AOC) Calculation

AOC Calculations: Total Tons AOC/Total Tons Waste Disposed x 100 = 23.97%

Please note the calculation **is**: Tons AOC (from table above)/Tons Solid Waste (from table in Section 6) x 100 and **Not**: Tons AOC / (Tons Solid Waste + AOC) 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	14.14	0.00	0.00	0.11	0.02	0.00	0.00
Ash (Coal)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash (MSW Energy Recovery)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Construction & Demolition Debris (mixed)	653.61	623.63	728.18	869.78	1108.44	795.76	466.51
Industrial Waste (Including Industrial Process Sludges)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	4,240.66	3,642.30	2,988.82	2,650.04	2,644.49	2,431.07	1,791.34
Oil/Gas Drilling Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Contaminated Soil	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Treatment Plant Sludge	262.51	223.59	263.45	243.41	263.24	223.36	224.12
Treated Regulated Medical Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emergency Authorization Waste (Storm Debris)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (specify) Grit	11.41	8.80	8.67	14.46	12.08	18.57	16.07
Total Tons Disposed	5,182.33	4,498.32	3,989.12	3,777.80	4,028.27	3,468.76	2,498.04

SECTION 6 - SOLID WASTE DISPOSED (continued)

Type of Solid Waste	Tip Fee (\$/Ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons)
Asbestos	\$140	0.07	0.22	0.00	0.00	0.00	14.56	0.06
Ash (Coal)	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ash (MSW Energy Recovery)	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Construction & Demolition Debris (mixed)	\$30-72	248.77	279.66	244.21	124.03	103.19	6,245.77	24.02
Industrial Waste (Including Industrial Process Sludges)	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	\$22-72	1,531.84	992.86	1,043.47	882.17	942.15	25,781.21	99.16
Oil/Gas Drilling Waste	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Contaminated Soil	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sewage Treatment Plant Sludge	\$31	206.76	212.31	245.39	203.00	244.25	2,815.39	10.83
Treated Regulated Medical Waste	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emergency Authorization Waste (Storm Debris)	n/a	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other (specify) Grit	\$31	20.62	13.55	18.60	9.63	7.93	160.39	0.62
Total Tons Disposed		2,008.06	1,498.60	1,551.67	1,218.83	1,297.52	35,017.32	134.68

SECTION 7 – SERVICE AREA OF SOLID WASTE RECEIVED

Please identify where the waste is coming from. The total tons received reported below should equal the total tons received in Section 6 (Solid Waste Disposed).
DO NOT REPORT IN CUBIC YARDS!

- If the waste **WAS** received from another solid waste management facility, please write in the name *and address* of the facility along with the appropriate state, county and planning unit/municipality.
- If the waste **WAS NOT** received from another solid waste management facility, please write in “**Direct Haul**” along with the appropriate state, county and planning unit/municipality where the waste was generated.

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

100 % Road _____ % Rail _____ % Water _____ % Other (specify: _____)

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

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	Various Contractors, Direct Haul	NY	Cayuga County	Cayuga County	14.56
Ash (Coal)					
Ash (MSW Energy Recovery)					
Construction & Demolition Debris (mixed)	City of Auburn, Cayuga County, Direct Haul	NY	Cayuga County	Cayuga County	1,200.60
	Cayuga County, Direct Haul	NY	Cayuga County	Cayuga County	679.66
	Various Contractors and Haulers, Direct Haul	NY	Cayuga County	Cayuga County	4,365.51

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)	City of Auburn, Cayuga County, Direct Haul	NY	Cayuga County	Cayuga County	9,713.31
	Cayuga County, Direct Haul	NY	Cayuga County	Cayuga County	1,636.40
	Various Contractors and Haulers, Direct Haul	NY	Cayuga County	Cayuga County	14,311.24
	Welch Allyn	NY	Cayuga County	Cayuga County	120.26
Oil/Gas Drilling Waste					
Petroleum Contaminated Soil					
Sewage Treatment Plant Sludge	City of Auburn WWTP, Direct Haul	NY	Cayuga County	Cayuga County	2,815.39
Treated Regulated Medical Waste (TRMW)*					
Emergency Authorization Waste (Storm Debris)					
Other (specify) Grit	City of Auburn WWTP, Direct Haul	NY	Cayuga County	Cayuga County	160.39
TOTAL RECEIVED (tons):					35,017.32

* List generators that provide you Certificates of Treatment forms and quantities of TRMW from each N/A

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

Please identify where the recyclable materials are coming from. DO NOT REPORT IN CUBIC YARDS!

- If the materials **WERE** received from another solid waste management facility, please write in the name and address of the facility along with the appropriate state, county and planning unit/municipality.
- If the materials **WERE NOT** received from another solid waste management facility, please write in “**Direct Haul**” along with the appropriate state, county and planning unit/municipality where the recyclables were generated.

Specify transport method, list type of material(s) and percentages of total waste transported by each:

100 % Road: Waste Type(s): _____ % Rail: Waste Type(s): _____
 _____ % Water: Waste Type(s): _____ % Other (specify: _____): Waste Type(s): _____

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 (metal, glass, plastic)	City of Auburn, Curbside Collection	NY	Cayuga County	Cayuga County	530.61
	Cayuga County Residents, Direct Haul	NY	Cayuga County	Cayuga County	15.73
Commingled Paper (all grades)	City of Auburn, Curbside Collection	NY	Cayuga County	Cayuga County	477.30
	Cayuga County Residents, Direct Haul	NY	Cayuga County	Cayuga County	45.60
Single Stream (total)					
Brush, Branches, Trees, & Stumps					
Food Scraps					
Yard Waste (curbside)					
Other (specify)					
TOTAL RECEIVED (tons):					1,069.24

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:

100 % Road _____ % Rail _____ % Water _____ % Other (specify: _____)

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

PAPER 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)
Commingled Paper (all grades)					
Corrugated Cardboard	Casella Recycling, Stanley, New York	NY	Cayuga County	Cayuga County	512.20
	Waste Management, Liverpool, New York	NY	Onondaga County	Onondaga County	Above Split
Junk Mail					
Magazines					
Newspaper	Casella Recycling, Stanley, New York	NY	Cayuga County	Cayuga County	10.70
	Waste Management, Liverpool, New York		Onondaga County	Onondaga County (except	Above Split
Office Paper					
Paperboard / Boxboard					
Other Paper (specify)					
TOTAL PAPER RECOVERED (tons):					522.90

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): 0					
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): 0					

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):					0

SECTION 8 – LANDFILL RECYCLABLE & RECOVERED MATERIALS (continued)

B. Material Recovered

MIXED 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)
Commingled Containers (metal, glass, plastic)	Casella Recycling, Stanley, New York	NY	Cayuga County	Cayuga County	546.34
	Waste Management, Liverpool, New York	NY	Onondaga County	Onondaga County (except	Above split
Commingled Paper & Containers					
Single Stream (total)					
Other (specify)					
TOTAL MIXED MATERIAL RECOVERED (tons):					546.34

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): 0					

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):

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

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.

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
1956-1992	1,267,658								1,267,658	LF NO.1
1992	9,643								9,643	LF NO. 2
1993	32,101			2,370						LF NO. 2
1994	35,101		21	2,854						LF NO. 2
1995	21,344			2,087						LF NO. 2
1996	22,317			1,717						LF NO. 2
1997	18,344			1,763						LF NO. 2
1998	18,535	1	430	1,720						LF NO. 2
1999	17,341	5	488	2,979						LF NO. 2
2000*	16,396	27	835	2,096						LF NO. 2
WIP Cumulative Total	2,446,437	26,767	1,774	185,571	0	178,415	38,726	0	2,877,690	LF NO. 1 and 2

*See attached table for additional years Waste In Place Summary

**Totals include all years of waste placement

Overall in place volume _____ cubic yards

Method for determining waste composition, if known. Scale receipts and annual survey data

Explain if closed landfills are included above Landfill No.1 and portions of Landfill No. 2 are closed. These landfill sections are included.

Waste Summary by Landfill Section

Provide waste in place information for all landfill sections.

Number of landfill sections: 2

Original* section used (years) from 1956 to 1992

Section Footprint 75 acres

Capped with approved final cover system Yes ☒ No ☐

Percent capped 100

Waste in Place: 1,267,658 Tons _____ Cubic Yards, if known

Next* section used (years) from 1992 to Present

Section Footprint 29.3 acres

Capped with approved final cover system Yes ☐ No ☒

Percent capped 46%

Waste in Place: 1,610,031 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: 81

Total landfill footprint acreage 104.3

Total landfill acreage from which gas is collected 60

Landfill sections from which gas is collected LF Nos. 1 & 2

Landfill acreage from which gas is collected for energy recovery 0

Measured Methane Generation Rate*, k 0.05

Measured Potential Methane Generation Capacity*, L_o 170 (LF No. 2) m³/Mg 14.6 (Closed LF No. 1)

NMOC Concentration* 38.88 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: n/a

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

Flare

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

Number of Flares: 1

Type of Flare: Opened Flare x Enclosed Flare _____

Please report units
in cubic feet

Quantity of Gas Collected and Flared Annually 102,027,530 cubic feet

Flare Hours of Operation per Year 8,188 hours/year

Methane Percentage in Landfill Gas before flaring 34.9 %

Methane Destruction efficiency 99 %

Candlestick Flares:

Number of Candlestick Flares 1

Estimate of Gas Flared Candlestick Flare _____ cubic feet

Gas To Energy **N/A**

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: 1952 Anticipated landfill closure date: 2020

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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:

Please refer to the annual monitoring report prepared by Barton & Loguidice, D.P.C. submitted under separate cover.

Landfill Gas Utilized For Energy Recovery

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

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

* Provide where applicable.

Normal Weekdays of Operation _____ Normal Hours of Operation _____

Electricity Generated and used/marketed offsite _____ KWH

Electricity Generated and used onsite _____ KWH

Gas Processed and used/marketed offsite _____ cubic feet

Gas Processed and used onsite _____ cubic feet

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

Condensate is collected and piped to the WWTP for treatment with the landfill leachate.

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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?

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 – LANDFILL OPERATOR TRAINING

Name of trained landfill operator: David Gibson & AJ Petrosino

Name and location of training course: NYSASWM Landfill Operator Certification Training, Liverpool NY

Date completed: March 7-8, 2017

SECTION 16 - 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:

Please refer to the annual monitoring report prepared by Barton and Loguidice, D.P.C submitted under separate cover.

☒ 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.

Does this landfill have a surface impoundment?

SECTION 21 - SURFACE IMPOUNDMENTS

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:
Please refer to the annual monitoring report prepared by Barton and Loguidice, D.P.C submitted under separate cover.

SECTION 20 - SUMMARIES OF MONITORING DATA

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:
Please refer to the annual monitoring report prepared by Barton and Loguidice, D.P.C submitted under separate cover.

SECTION 19 - DATA QUALITY ASSESSMENT

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:
Please refer to the annual monitoring report prepared by Barton and Loguidice, D.P.C submitted under separate cover.

SECTION 18 - DISCUSSION OF RESULTS

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:
Please refer to the annual monitoring report prepared by Barton and Loguidice, D.P.C submitted under separate cover.

SECTION 17 - COMPARING DATA

SECTION 22 - 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.


SECTION 23 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form to the appropriate Regional Office (See attachment for Regional Office addresses, email addresses and Materials Management 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 Solid Waste Management
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: SWMFannualreport@dec.ny.gov

I certify, under penalty of law, that the data and other information identified in this report have been prepared under my direction and supervision in compliance with a system designed to ensure that qualified personnel properly and accurately gather and evaluate this information. I am aware that any false statement I make in such report is punishable pursuant to section 71-2703(2) of the Environmental Conservation Law and section 210.45 of the Penal Law.



Signature

02/10/20

Date

Michael Talbot

Name (Print or Type)

Superintendent of Public Works

Title (Print or Type)

mtalbot@auburnny.gov

Email (Print or Type)

358 Genesee Street

Address

Auburn

City

New York 13021

State and Zip

(315) 223-9554

Phone Number

ATTACHMENTS: ☒ YES ☐ NO
(Please check appropriate line)

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DEC ANNUAL REPORT ATTACHMENTS

2019 CITY OF AUBURN LANDFILL ANNUAL REPORT

JANUARY THROUGH DECEMBER 2019

SECTION 10
WASTE IN PLACE

SECTION 10

Waste in Place (tons)

Year	MSW	Asbestos	Ash	C&D	Industrial Waste	Petroleum Contaminated Soil	Sewage Plant Sludge**	Other	Year(s) Total	Landfill Section (s)
1956-1992*	1,267,658	-	-	-	-	-	-	-	1,267,658	LF No. 1
1992-2000*	191,087	33	1,774	17,586	0	11,762	16,835	0	239,077	LF No. 2
2001	39,421	77	0	2,460	0	10,769	16	0	52,743	LF No. 2
2002	53,373	181	0	2,678	0	0	1	0	56,233	LF No. 2
2003	69,552	1,275	0	2,814	0	12,926	33	0	86,600	LF No. 2
2004	67,028	2,769	0	4,815	0	15,700	125	0	90,437	LF No. 2
2005	65,629	1,863	0	2,931	0	0	75	0	70,498	LF No. 2
2006	64,137	5,163	0	12,395	0	29,379	0	0	111,074	LF No. 2
2007	59,743	11,266	0	11,266	0	13,302	404	0	95,981	LF No. 2
2008	61,944	915	0	7,510	0	21,127	0	0	91,496	LF No. 2
2009	43,048	481	0	5,060	0	19,448	0	0	68,037	LF No. 2
2010	53,560	335	0	9,465	0	20,468	0	0	83,828	LF No. 2
2011	73,416	1,696	0	19,155	0	5,180	0	0	99,447	LF No. 2
2012	70,458	77	0	18,036	0	1,855	1,151	0	91,577	LF No. 2
2013	38,277	53	0	10,777	0	9,883	2,632	0	61,622	LF No. 2
2014	21,777	111	0	5,414	0	6,616	2,669	0	36,587	LF No. 2
2015	35,063	66	0	10,480	0	0	2,938	0	48,548	LF No. 2
2016	45,625	3	0	12,095	0	0	2,934	0	60,658	LF No. 2
2017	53,130	320	0	13,305	0	0	3,025	0	69,781	LF No. 2
2018	46,728	67	0	11,083	0	0	2,912	0	60,791	LF No. 2
2019	25,781	15	0	6,246	0	0	2,976	0	35,017	LF No. 2
Totals:	2,446,437	26,767	1,774	185,571	0	178,415	38,726	0	2,877,690	LF No. 1 and 2

*Shown on page 19 of the annual report.

**Tonnage represents grit and ash from the City of Auburn WWTP, which is a byproduct of their sludge incineration process.

LEACHATE LINE CLEANING LOGS



R.C.A.C., Inc.
NYS Certified WBE
298 Malta Avenue
Ballston Spa, NY 12020
Phone: 518/885-3430

We are required to collect New York State Sales Taxes on any project for which we do not have an exempt certificate on file.

RCAC, Inc.

A NYS Certified WBE Company

298 Malta Avenue

Ballston Spa, NY 12020

Phone: 518/885-3430

Facsimile: 518/885-3430

DAILY SUMMARY REPORT

DATE	26Aug2019
DAY	Monday
JOB #	2019-693

[illegible]

RCAC, Inc.

A NYS Certified WBE Company

298 Malta Avenue
Ballston Spa, NY 12020

Phone: 518/885-3430
Facsimile: 518/885-3430

DAILY SUMMARY REPORT

DATE	27Aug2019
DAY	Tuesday
JOB #	2019-693

[illegible]

RCAC, Inc.

A NYS Certified WBE Company

298 Malta Avenue

Ballston Spa, NY 12020

Phone: 518/885-3430

Facsimile: 518/885-3430

DAILY SUMMARY REPORT

DATE	28Aug2019
DAY	Wednesday
JOB #	2019-693

[illegible]

RCAC, Inc.

A NYS Certified WBE Company

298 Malta Avenue

Ballston Spa, NY 12020

Phone: 518/885-3430
Facsimile: 518/885-3430

DAILY SUMMARY REPORT

DATE	29Aug2019
DAY	Thursday
JOB #	2019-693

[illegible]

RCAC, Inc.

A NYS Certified WBE Company

298 Malta Avenue
Ballston Spa, NY 12020

Phone: 518/885-3430
Facsimile: 518/885-3430

DAILY SUMMARY REPORT

DATE	30Aug2019
DAY	Friday
JOB #	2019-693

[illegible]

LEACHATE VOLUME TABLES

**CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS**

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Tuesday, January 1, 2019		14718.70	0.0	9312.40	0.0	-				
Wednesday, January 2, 2019		14722.60	3.9	9321.20	8.8	182,880.0				
Thursday, January 3, 2019		14723.60	1.0	9322.10	0.9	27,360.0				
Friday, January 4, 2019		14724.70	1.1	9323.20	1.1	31,680.0				
Saturday, January 5, 2019			0.0		0.0	-				
Sunday, January 6, 2019			0.0		0.0	-				
Monday, January 7, 2019		14728.80	4.1	9327.30	4.1	118,080.0				
Tuesday, January 8, 2019		14729.80	1.0	9328.30	1.0	28,800.0				
Wednesday, January 9, 2019		14732.00	2.2	9330.20	1.9	59,040.0				
Thursday, January 10, 2019		14734.70	2.7	9333.00	2.8	79,200.0				
Friday, January 11, 2019		14736.50	1.8	9334.60	1.6	48,960.0				
Saturday, January 12, 2019			0.0		0.0	-				
Sunday, January 13, 2019			0.0		0.0	-				
Monday, January 14, 2019		14738.80	2.3	9338.30	3.7	86,400.0				
Tuesday, January 15, 2019		14738.80	0.0	9340.70	2.4	34,560.0				
Wednesday, January 16, 2019		14738.90	0.1	9342.90	2.2	33,120.0				
Thursday, January 17, 2019		14740.10	1.2	9344.00	1.1	33,120.0				
Friday, January 18, 2019		14740.80	0.7	9344.70	0.7	20,160.0				
Saturday, January 19, 2019			0.0		0.0	-				
Sunday, January 20, 2019			0.0		0.0	-				
Monday, January 21, 2019			0.0		0.0	-				
Tuesday, January 22, 2019		14745.30	4.5	9349.10	4.4	128,160.0				
Wednesday, January 23, 2019		14745.90	0.6	9349.70	0.6	17,280.0				
Thursday, January 24, 2019		14747.10	1.2	9350.90	1.2	34,560.0				
Friday, January 25, 2019		14752.30	5.2	9356.10	5.2	149,760.0				
Saturday, January 26, 2019			0.0		0.0	-				
Sunday, January 27, 2019			0.0		0.0	-				
Monday, January 28, 2019		14757.20	4.9	9361.10	5.0	142,560.0				
Tuesday, January 29, 2019		14758.20	1.0	9362.20	1.1	30,240.0				
Wednesday, January 30, 2019		14759.40	1.2	9363.50	1.3	36,000.0				
Thursday, January 31, 2019		14760.60	1.2	9364.60	1.1	33,120.0				
Friday, February 1, 2019		14761.60	1.0	9365.70	1.1	30,240.0				
Saturday, February 2, 2019			0.0		0.0	-				
Sunday, February 3, 2019			0.0		0.0	-				
Monday, February 4, 2019		14766.70	5.1	9371.10	5.4	151,200.0				
Tuesday, February 5, 2019		14771.20	4.5	9375.30	c	125,280.0				
Wednesday, February 6, 2019		14773.00	1.8	9377.00	1.7	50,400.0				
Thursday, February 7, 2019		14775.40	2.4	9379.90	2.9	76,320.0				
Friday, February 8, 2019		14777.70	2.3	9382.10	2.2	64,800.0				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Saturday, February 9, 2019			0.0		0.0	-				
Sunday, February 10, 2019			0.0		0.0	-				
Monday, February 11, 2019		14782.10	4.4	9386.60	4.5	128,160.0				
Tuesday, February 12, 2019		14783.40	1.3	9387.70	1.1	34,560.0				
Wednesday, February 13, 2019		14784.70	1.3	9389.00	1.3	37,440.0				
Thursday, February 14, 2019		14785.70	1.0	9390.20	1.2	31,680.0				
Friday, February 15, 2019		14786.90	1.2	9391.30	1.1	33,120.0				
Saturday, February 16, 2019			0.0		0.0	-				
Sunday, February 17, 2019			0.0		0.0	-				
Monday, February 18, 2019			0.0		0.0	-				
Tuesday, February 19, 2019		14793.00	6.1	9397.30	6.0	174,240.0				
Wednesday, February 20, 2019		14793.90	0.9	9398.10	0.8	24,480.0				
Thursday, February 21, 2019		14794.90	1.0	9399.20	1.1	30,240.0				
Friday, February 22, 2019		14796.30	1.4	9400.60	1.4	40,320.0				
Saturday, February 23, 2019			0.0		0.0	-				
Sunday, February 24, 2019			0.0		0.0	-				
Monday, February 25, 2019		14802.10	5.8	9406.20	5.6	164,160.0				
Tuesday, February 26, 2019		14803.60	1.5	9407.80	1.6	44,640.0				
Wednesday, February 27, 2019		14804.60	1.0	9408.90	1.1	30,240.0				
Thursday, February 28, 2019		14805.80	1.2	9410.00	1.1	33,120.0				
Friday, March 1, 2019		14806.90	1.1	9411.00	1.0	30,240.0				
Saturday, March 2, 2019			0.0		0.0	-				
Sunday, March 3, 2019			0.0		0.0	-				
Monday, March 4, 2019		14810.10	3.2	9414.20	3.2	92,160.0				
Tuesday, March 5, 2019		14811.20	1.1	9415.20	1.0	30,240.0				
Wednesday, March 6, 2019		14812.20	1.0	9416.30	1.1	30,240.0				
Thursday, March 7, 2019		14813.00	0.8	9417.30	1.0	25,920.0				
Friday, March 8, 2019		14813.90	0.9	9418.20	0.9	25,920.0				
Saturday, March 9, 2019			0.0		0.0	-				
Sunday, March 10, 2019			0.0		0.0	-				
Monday, March 11, 2019		14819.30	5.4	9423.40	5.2	152,640.0				
Tuesday, March 12, 2019		14820.70	1.4	9425.00	1.6	43,200.0				
Wednesday, March 13, 2019		14822.00	1.3	9426.30	1.3	37,440.0				
Thursday, March 14, 2019		14823.20	1.2	9427.50	1.2	34,560.0				
Friday, March 15, 2019		14824.70	1.5	9428.90	1.4	41,760.0				
Saturday, March 16, 2019			0.0		0.0	-				
Sunday, March 17, 2019			0.0		0.0	-				
Monday, March 18, 2019		14828.70	4.0	9432.70	3.8	112,320.0				
Tuesday, March 19, 2019		14829.80	1.1	9433.80	1.1	31,680.0				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Wednesday, March 20, 2019		14830.90	1.1	9434.90	1.1	31,680.0				
Thursday, March 21, 2019		14832.00	1.1	9435.90	1.0	30,240.0				
Friday, March 22, 2019		14833.30	1.3	9437.20	1.3	37,440.0				
Saturday, March 23, 2019			0.0		0.0	-				
Sunday, March 24, 2019			0.0		0.0	-				
Monday, March 25, 2019		14837.50	4.2	9441.50	4.3	122,400.0				
Tuesday, March 26, 2019		14838.70	1.2	9442.90	1.4	37,440.0				
Wednesday, March 27, 2019		14839.90	1.2	9445.00	2.1	47,520.0				
Thursday, March 28, 2019		14840.90	1.0	9445.10	0.1	15,840.0				
Friday, March 29, 2019		14842.00	1.1	9446.10	1.0	30,240.0				
Saturday, March 30, 2019			0.0		0.0	-				
Sunday, March 31, 2019			0.0		0.0	-				
Monday, April 1, 2019		14845.40	3.4	9449.80	3.7	102,240.0				
Tuesday, April 2, 2019		14846.30	0.9	9450.80	1.0	27,360.0				
Wednesday, April 3, 2019		14847.30	1.0	9451.80	1.0	28,800.0				
Thursday, April 4, 2019		14848.20	0.9	9452.90	1.1	28,800.0				
Friday, April 5, 2019		14849.10	0.9	9453.80	0.9	25,920.0				
Saturday, April 6, 2019			0.0		0.0	-				
Sunday, April 7, 2019			0.0		0.0	-				
Monday, April 8, 2019		14852.80	3.7	9457.40	3.6	105,120.0				
Tuesday, April 9, 2019		14854.20	1.4	9458.70	1.3	38,880.0				
Wednesday, April 10, 2019		14855.50	1.3	9460.00	1.3	37,440.0				
Thursday, April 11, 2019		14856.60	1.1	9461.00	1.0	30,240.0				
Friday, April 12, 2019		14857.60	1.0	9461.90	0.9	27,360.0				
Saturday, April 13, 2019			0.0		0.0	-				
Sunday, April 14, 2019			0.0		0.0	-				
Monday, April 15, 2019		14860.90	3.3	9465.10	3.2	93,600.0				
Tuesday, April 16, 2019		14862.20	1.3	9466.60	1.5	40,320.0				
Wednesday, April 17, 2019		14863.40	1.2	9467.60	1.0	31,680.0				
Thursday, April 18, 2019		14864.40	1.0	9468.70	1.1	30,240.0				
Friday, April 19, 2019		14865.60	1.2	9469.70	1.0	31,680.0				
Saturday, April 20, 2019			0.0		0.0	-				
Sunday, April 21, 2019			0.0		0.0	-				
Monday, April 22, 2019		14870.80	5.2	9475.50	5.8	158,400.0				
Tuesday, April 23, 2019		14872.00	1.2	9476.70	1.2	34,560.0				
Wednesday, April 24, 2019		14873.40	1.4	9478.10	1.4	40,320.0				
Thursday, April 25, 2019		14874.40	1.0	9478.90	0.8	25,920.0				
Friday, April 26, 2019		14875.40	1.0	9480.00	1.1	30,240.0				
Saturday, April 27, 2019			0.0		0.0	-				

**CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS**

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Sunday, April 28, 2019			0.0		0.0	-				
Monday, April 29, 2019		14878.90	3.5	9483.70	3.7	103,680.0				
Tuesday, April 30, 2019		14879.90	1.0	9484.70	1.0	28,800.0				
Wednesday, May 1, 2019		14880.90	1.0	9485.70	1.0	28,800.0				
Thursday, May 2, 2019		14882.10	1.2	9487.00	1.3	36,000.0				
Friday, May 3, 2019		14883.20	1.1	9488.10	1.1	31,680.0				
Saturday, May 4, 2019			0.0		0.0	-				
Sunday, May 5, 2019			0.0		0.0	-				
Monday, May 6, 2019		14887.00	3.8	9491.90	3.8	109,440.0				
Tuesday, May 7, 2019		14888.40	1.4	9493.20	1.3	38,880.0				
Wednesday, May 8, 2019		14889.60	1.2	9494.40	1.2	34,560.0				
Thursday, May 9, 2019		14890.70	1.1	9495.50	1.1	31,680.0				
Friday, May 10, 2019		14891.90	1.2	9496.60	1.1	33,120.0				
Saturday, May 11, 2019			0.0		0.0	-				
Sunday, May 12, 2019			0.0		0.0	-				
Monday, May 13, 2019		14897.40	5.5	9502.00	5.4	156,960.0				
Tuesday, May 14, 2019		14899.90	2.5	9504.20	2.2	67,680.0				
Wednesday, May 15, 2019		14902.50	2.6	9506.50	2.3	70,560.0				
Thursday, May 16, 2019		14904.50	2.0	9508.10	1.6	51,840.0				
Friday, May 17, 2019		14906.10	1.6	9509.40	1.3	41,760.0				
Saturday, May 18, 2019			0.0		0.0	-				
Sunday, May 19, 2019			0.0		0.0	-				
Monday, May 20, 2019		14909.50	3.4	9513.30	3.9	105,120.0				
Tuesday, May 21, 2019		14910.80	1.3	9514.60	1.3	37,440.0				
Wednesday, May 22, 2019		14911.80	1.0	9515.40	0.8	25,920.0				
Thursday, May 23, 2019		14912.70	0.9	9516.30	0.9	25,920.0				
Friday, May 24, 2019		14913.60	0.9	9517.30	1.0	27,360.0				
Saturday, May 25, 2019			0.0		0.0	-				
Sunday, May 26, 2019			0.0		0.0	-				
Monday, May 27, 2019			0.0		0.0	-				
Tuesday, May 28, 2019		14917.80	4.2	9521.30	4.0	118,080.0				
Wednesday, May 29, 2019		14918.90	1.1	9522.50	1.2	33,120.0				
Thursday, May 30, 2019		14919.80	0.9	9523.40	0.9	25,920.0				
Friday, May 31, 2019		14920.70	0.9	9524.30	0.9	25,920.0				
Saturday, June 1, 2019			0.0		0.0	-				
Sunday, June 2, 2019			0.0		0.0	-				
Monday, June 3, 2019		14923.40	2.7	9527.10	2.8	79,200.0				
Tuesday, June 4, 2019		14924.20	0.8	9528.00	0.9	24,480.0				
Wednesday, June 5, 2019		14924.90	0.7	9528.80	0.8	21,600.0				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Thursday, June 6, 2019		14925.90	1.0	9529.70	0.9	27,360.0				
Friday, June 7, 2019		14926.80	0.9	9530.50	0.8	24,480.0				
Saturday, June 8, 2019			0.0		0.0	-				
Sunday, June 9, 2019			0.0		0.0	-				
Monday, June 10, 2019		14929.00	2.2	9532.70	2.2	63,360.0				
Tuesday, June 11, 2019		14930.10	1.1	9533.60	0.9	28,800.0				
Wednesday, June 12, 2019		14930.80	0.7	9534.30	0.7	20,160.0				
Thursday, June 13, 2019		14931.60	0.8	9535.00	0.7	21,600.0				
Friday, June 14, 2019		14932.20	0.6	9536.00	1.0	23,040.0				
Saturday, June 15, 2019			0.0		0.0	-				
Sunday, June 16, 2019			0.0		0.0	-				
Monday, June 17, 2019		14935.30	3.1	9539.00	3.0	87,840.0				
Tuesday, June 18, 2019		14936.40	1.1	9539.90	0.9	28,800.0				
Wednesday, June 19, 2019		14937.30	0.9	9540.70	0.8	24,480.0				
Thursday, June 20, 2019		14938.10	0.8	9541.60	0.9	24,480.0				
Friday, June 21, 2019		14943.10	5.0	9546.20	4.6	138,240.0				
Saturday, June 22, 2019			0.0		0.0	-				
Sunday, June 23, 2019			0.0		0.0	-				
Monday, June 24, 2019		14946.70	3.6	9549.50	3.3	99,360.0				
Tuesday, June 25, 2019		14947.60	0.9	9550.40	0.9	25,920.0				
Wednesday, June 26, 2019		14949.10	1.5	9551.90	1.5	43,200.0				
Thursday, June 27, 2019		14950.40	1.3	9552.70	0.8	30,240.0				
Friday, June 28, 2019		14951.10	0.7	9553.70	1.0	24,480.0				
Saturday, June 29, 2019			0.0		0.0	-				
Sunday, June 30, 2019			0.0		0.0	-				
Monday, July 1, 2019		14980.40	29.3	9555.60	1.9	449,280.0				
Tuesday, July 2, 2019		15005.30	24.9	9555.60	0.0	358,560.0				
Wednesday, July 3, 2019		15006.00	0.7	9557.00	1.4	30,240.0				pump stuck on
Thursday, July 4, 2019		15006.00	0.0	9557.00	0.0	-				
Friday, July 5, 2019		15006.10	0.1	9559.80	2.8	41,760.0				
Saturday, July 6, 2019			0.0		0.0	-				
Sunday, July 7, 2019			0.0		0.0	-				
Monday, July 8, 2019		15006.10	0.0	9564.30	4.5	64,800.0				
Tuesday, July 9, 2019		15006.10	0.0	9565.40	1.1	15,840.0				
Wednesday, July 10, 2019		15006.10	0.0	9566.50	1.1	15,840.0				
Thursday, July 11, 2019		15006.10	0.0	9567.60	1.1	15,840.0				
Friday, July 12, 2019		15006.10	0.0	9568.90	1.3	18,720.0				
Saturday, July 13, 2019			0.0		0.0	-				
Sunday, July 14, 2019			0.0		0.0	-				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Monday, July 15, 2019		15006.10	0.0	9571.70	2.8	40,320.0				
Tuesday, July 16, 2019		15006.10	0.0	9572.70	1.0	14,400.0				
Wednesday, July 17, 2019		15006.10	0.0	9574.00	1.3	18,720.0				
Thursday, July 18, 2019		15006.10	0.0	9576.90		41,760.0				
Friday, July 19, 2019		15006.10	0.0	9578.10	1.2	17,280.0				
Saturday, July 20, 2019			0.0		0.0	-				
Sunday, July 21, 2019			0.0		0.0	-				
Monday, July 22, 2019		15006.10	0.0	9581.10	3.0	43,200.0				
Tuesday, July 23, 2019		15006.10	0.0	9584.20	3.1	44,640.0				
Wednesday, July 24, 2019		15006.10	0.0	9585.50	1.3	18,720.0				
Thursday, July 25, 2019		15006.10	0.0	9586.70	1.2	17,280.0				
Friday, July 26, 2019		15006.10	0.0	9587.60	0.9	12,960.0				
Saturday, July 27, 2019			0.0		0.0	-				
Sunday, July 28, 2019			0.0		0.0	-				
Monday, July 29, 2019		15006.10	0.0	9590.50	2.9	41,760.0				
Tuesday, July 30, 2019		15006.10	0.0	9591.50	1.0	14,400.0				
Wednesday, July 31, 2019		15006.10	0.0	9592.60	1.1	15,840.0				
Thursday, August 1, 2019		15006.10	0.0	9593.60	1.0	14,400.0				
Friday, August 2, 2019		15006.10	0.0	9594.40	0.8	11,520.0				
Saturday, August 3, 2019			0.0		0.0	-				
Sunday, August 4, 2019			0.0		0.0	-				
Monday, August 5, 2019		15006.10	0.0	9597.00	2.6	37,440.0				
Tuesday, August 6, 2019		15006.10	0.0	9597.90	0.9	12,960.0				
Wednesday, August 7, 2019		15006.10	0.0	9599.10	1.2	17,280.0				
Thursday, August 8, 2019		15006.10	0.0	9600.40	1.3	18,720.0				
Friday, August 9, 2019		15006.10	0.0	9601.50	1.1	15,840.0				
Saturday, August 10, 2019			0.0		0.0	-				
Sunday, August 11, 2019			0.0		0.0	-				
Monday, August 12, 2019		15006.10	0.0	9605.20	3.7	53,280.0				
Tuesday, August 13, 2019		15006.10	0.0	9606.20	1.0	14,400.0				
Wednesday, August 14, 2019		15006.10	0.0	9607.10	0.9	12,960.0				
Thursday, August 15, 2019		15006.10	0.0	9608.10	1.0	14,400.0				
Friday, August 16, 2019		15006.10	0.0	9608.90	0.8	11,520.0				
Saturday, August 17, 2019			0.0		0.0	-				
Sunday, August 18, 2019			0.0		0.0	-				
Monday, August 19, 2019		15006.10	0.0	9621.00	12.1	174,240.0				
Tuesday, August 20, 2019		15006.10	0.0	9622.90	1.9	27,360.0				
Wednesday, August 21, 2019		15006.10	0.0	9624.50	1.6	23,040.0				
Thursday, August 22, 2019		15006.10	0.0	9626.20	1.7	24,480.0				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
		15006.10	0.0	9628.10	1.9	27,360.0				
	Saturday, August 24, 2019		0.0		0.0	-				
	Sunday, August 25, 2019		0.0		0.0	-				
	Monday, August 26, 2019	15006.10	0.0	9631.90	3.8	54,720.0				
	Tuesday, August 27, 2019	15006.10	0.0	9633.40	1.5	21,600.0				
	Wednesday, August 28, 2019	15006.10	0.0	9635.00	1.6	23,040.0				
	Thursday, August 29, 2019	15006.10	0.0	9636.80	1.8	25,920.0				
	Friday, August 30, 2019	15006.10	0.0	9638.40	1.6	23,040.0				
	Saturday, August 31, 2019		0.0		0.0	-				
	Sunday, September 1, 2019		0.0		0.0	-				
	Monday, September 2, 2019		0.0		0.0	-				
	Tuesday, September 3, 2019	15006.10	0.0	9643.80	5.4	77,760.0				
	Wednesday, September 4, 2019	15006.10	0.0	9645.20	1.4	20,160.0				
	Thursday, September 5, 2019	15006.10	0.0	9646.60	1.4	20,160.0				
	Friday, September 6, 2019	15006.10	0.0	9647.80	1.2	17,280.0				
	Saturday, September 7, 2019		0.0		0.0	-				
	Sunday, September 8, 2019		0.0		0.0	-				
	Monday, September 9, 2019	15006.10	0.0	9650.90	3.1	44,640.0				
	Tuesday, September 10, 2019	15006.10	0.0	9651.70	0.8	11,520.0				
	Wednesday, September 11, 2019	15006.10	0.0	9652.50	0.8	11,520.0				
	Thursday, September 12, 2019	15006.10	0.0	9653.40	0.9	12,960.0				
	Friday, September 13, 2019	15006.10	0.0	9654.30	0.9	12,960.0				
	Saturday, September 14, 2019		0.0		0.0	-				
	Sunday, September 15, 2019		0.0		0.0	-				
	Monday, September 16, 2019	15006.10	0.0	9656.60	2.3	33,120.0				
	Tuesday, September 17, 2019	15006.10	0.0	9657.40	0.8	11,520.0				
	Wednesday, September 18, 2019	15006.10	0.0	9658.10	0.7	10,080.0				
	Thursday, September 19, 2019	15006.10	0.0	9658.80	0.7	10,080.0				
	Friday, September 20, 2019	15006.10	0.0	9659.40	0.6	8,640.0				
	Saturday, September 21, 2019		0.0		0.0	-				
	Sunday, September 22, 2019		0.0		0.0	-				
	Monday, September 23, 2019	15013.30	7.2	9659.70	0.3	108,000.0				
	Tuesday, September 24, 2019	15015.20	1.9	9659.70	0.0	27,360.0				
	Wednesday, September 25, 2019	15016.50	1.3	9659.70	0.0	18,720.0				
	Thursday, September 26, 2019	15017.70	1.2	9659.70	0.0	17,280.0				
	Friday, September 27, 2019	15018.70	1.0	9659.70	0.0	14,400.0				
	Saturday, September 28, 2019		0.0		0.0	-				
	Sunday, September 29, 2019		0.0		0.0	-				
	Monday, September 30, 2019	15021.50	2.8	9659.70	0.0	40,320.0				

CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
Tuesday, October 1, 2019		15022.50	1.0	9659.70	0.0	14,400.0				
Wednesday, October 2, 2019		15023.50	1.0	9659.70	0.0	14,400.0				
Thursday, October 3, 2019		15024.90	1.4	9659.70	0.0	20,160.0				
Friday, October 4, 2019		15026.90	2.0	9659.70	0.0	28,800.0				
Saturday, October 5, 2019			0.0		0.0	-				
Sunday, October 6, 2019			0.0		0.0	-				
Monday, October 7, 2019		15031.70	4.8	9659.70	0.0	69,120.0				
Tuesday, October 8, 2019		15036.40	4.7	9659.70	0.0	67,680.0				
Wednesday, October 9, 2019		15038.30	1.9	9659.70	0.0	27,360.0	2 inches rain			
Thursday, October 10, 2019		15039.90	1.6	9659.70	0.0	23,040.0				
Friday, October 11, 2019		15041.30	1.4	9659.70	0.0	20,160.0				
Saturday, October 12, 2019			0.0		0.0	-				
Sunday, October 13, 2019			0.0		0.0	-				
Monday, October 14, 2019			0.0		0.0	-				
Tuesday, October 15, 2019		15046.70	5.4	9659.70	0.0	77,760.0				
Wednesday, October 16, 2019		15047.00	0.3	9659.70	0.0	4,320.0	2.12 inches rain			
Thursday, October 17, 2019		15053.50	6.5	9659.70	0.0	93,600.0				
Friday, October 18, 2019		15058.20	4.7	9659.70	0.0	67,680.0				
Saturday, October 19, 2019			0.0		0.0	-				
Sunday, October 20, 2019			0.0		0.0	-				
Monday, October 21, 2019		15064.50	6.3	9659.70	0.0	90,720.0				
Tuesday, October 22, 2019		15066.10	1.6	9659.70	0.0	23,040.0				
Wednesday, October 23, 2019		15069.10	3.0	9659.70	0.0	43,200.0				
Thursday, October 24, 2019		15071.20	2.1	9659.70	0.0	30,240.0				
Friday, October 25, 2019		15072.50	1.3	9659.70	0.0	18,720.0				
Saturday, October 26, 2019			0.0		0.0	-				
Sunday, October 27, 2019			0.0		0.0	-				
Monday, October 28, 2019		15079.30	6.8	9659.70	0.0	97,920.0				
Tuesday, October 29, 2019		15081.80	2.5	9659.70	0.0	36,000.0				
Wednesday, October 30, 2019		15083.60	1.8	9659.70	0.0	25,920.0				
Thursday, October 31, 2019		15085.40	1.8	9659.70	0.0	25,920.0				
Friday, November 1, 2019		15092.40	7.0	9659.70	0.0	100,800.0				
Saturday, November 2, 2019			0.0		0.0	-				
Sunday, November 3, 2019			0.0		0.0	-				
Monday, November 4, 2019		15103.40	11.0	9659.70	0.0	158,400.0				
Tuesday, November 5, 2019		15105.40	2.0	9659.70	0.0	28,800.0				
Wednesday, November 6, 2019		15108.10	2.7	9659.70	0.0	38,880.0				
Thursday, November 7, 2019		15109.70	1.6	9659.70	0.0	23,040.0				
Friday, November 8, 2019		15111.50	1.8	9659.70	0.0	25,920.0				

**CITY OF AUBURN SOLID WASTE MANAGEMENT FACILITY
2019 LEACHATE PUMP STATION MEASUREMENTS**

DAY	DATE	PUMP #1 (hours)	Elapsed Hours Since Prior Reading (hours)	PUMP #2 (hours)	Elapsed Hours Since Prior Reading (hours)	Leachate Pumped (gallons)	Total Leachate Pumped per Month (gallons)	TANK LEVEL	MH-1 GRAPH CHANGE	Comments
	Saturday, November 9, 2019		0.0		0.0	-				
	Sunday, November 10, 2019		0.0		0.0	-				
	Monday, November 11, 2019		0.0		0.0	-				
	Tuesday, November 12, 2019	15118.40	6.9	9659.70	0.0	99,360.0				
	Wednesday, November 13, 2019	15120.30	1.9	9659.70	0.0	27,360.0				
	Thursday, November 14, 2019	15121.80	1.5	9659.70	0.0	21,600.0				
	Friday, November 15, 2019	15123.30	1.5	9659.70	0.0	21,600.0				
	Saturday, November 16, 2019		0.0		0.0	-				
	Sunday, November 17, 2019		0.0		0.0	-				
	Monday, November 18, 2019	15127.00	3.7	9659.70	0.0	53,280.0				
	Tuesday, November 19, 2019	15129.40	2.4	9659.70	0.0	34,560.0				
	Wednesday, November 20, 2019	15130.90	1.5	9659.70	0.0	21,600.0				
	Thursday, November 21, 2019	15132.30	1.4	9659.70	0.0	20,160.0				
	Friday, November 22, 2019	15133.70	1.4	9659.70	0.0	20,160.0				
	Saturday, November 23, 2019		0.0		0.0	-				
	Sunday, November 24, 2019		0.0		0.0	-				
	Monday, November 25, 2019	15137.80	4.1	9659.70	0.0	59,040.0				
	Tuesday, November 26, 2019	15139.10	1.3	9659.70	0.0	18,720.0				
	Wednesday, November 27, 2019	15140.30	1.2	9659.70	0.0	17,280.0				
	Thursday, November 28, 2019	15140.30	0.0		0.0	-				
	Friday, November 29, 2019	15142.70	2.4	9659.70	0.0	51,840.0				
	Saturday, November 30, 2019		0.0		0.0	-				
	Sunday, December 1, 2019		0.0		0.0	-				
	Monday, December 2, 2019	15146.40	3.7	9659.70	0.0	53,280.0				
	Tuesday, December 3, 2019	15148.40	2.0	9659.70	0.0	28,800.0				
	Wednesday, December 4, 2019	15152.20	3.8	9659.70	0.0	54,720.0				
	Thursday, December 5, 2019	15157.10	4.9	9659.70	0.0	70,560.0				
	Friday, December 6, 2019	15159.10	2.0	9659.70	0.0	28,800.0				
	Saturday, December 7, 2019		0.0		0.0	-				
	Sunday, December 8, 2019		0.0		0.0	-				
	Monday, December 9, 2019	15163.70	4.6	9659.70	0.0	66,240.0				
	Tuesday, December 10, 2019	15171.90	8.2	9659.70	0.0	118,080.0				
	Wednesday, December 11, 2019	15175.40	3.5	9659.70	0.0	50,400.0				
	Thursday, December 12, 2019	15177.70	2.3	9659.70	0.0	33,120.0				
	Friday, December 13, 2019	15179.70	2.0	9659.70	0.0	28,800.0				
	Saturday, December 14, 2019		0.0		0.0	-				
	Sunday, December 15, 2019		0.0		0.0	-				
	Monday, December 16, 2019	15191.20	11.5	9659.70	0.0	165,600.0				
	Tuesday, December 17, 2019	15193.60	2.4	9659.70	0.0	34,560.0				

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019		1/1/19 9:45	24:00	1.00	879.20	9,500.0	0.00	0.00	0.00	2.29		
Wednesday, January 2, 2019		1/2/19 9:45	24:00	1.00	879.20	9,513.0	13.00	5.58	5.58	2.45		
Thursday, January 3, 2019		1/3/19 9:45	24:00	1.00	879.20	9,533.0	10.00	4.29	4.29	2.59		
Friday, January 4, 2019		1/4/19 9:45	24:00	1.00	879.20	9,533.0	0.00	0.00	0.00	2.59		
Saturday, January 5, 2019		1/5/19 9:45	24:00	1.00				0.00	0.00	2.45		
Sunday, January 6, 2019		1/6/19 9:45	24:00	1.00				0.00	0.00	2.43		
Monday, January 7, 2019		1/7/19 9:45	24:00	1.00	879.20	9,550.0	17.00	7.30	7.30	2.66		
Tuesday, January 8, 2019		1/8/19 9:45	24:00	1.00	879.20	9,555.0	5.00	2.15	2.15	2.73		
Wednesday, January 9, 2019		1/9/19 9:45	24:00	1.00	879.20	9,567.0	12.00	5.15	5.15	2.89		
Thursday, January 10, 2019		1/10/19 9:45	24:00	1.00	901.80	9,650.0	83.00	35.62	35.62	4.08		
Friday, January 11, 2019		1/11/19 9:45	24:00	1.00	901.80	9,651.0	1.00	0.43	0.43	4.09		
Saturday, January 12, 2019		1/12/19 9:45	24:00	1.00				0.00	0.00	3.79		
Sunday, January 13, 2019		1/13/19 9:45	24:00	1.00				0.00	0.00	3.61		
Monday, January 14, 2019		1/14/19 9:45	24:00	1.00	901.80	9,671.0	20.00	8.58	8.58	3.83		
Tuesday, January 15, 2019		1/15/19 9:45	24:00	1.00	901.80	9,677.0	6.00	2.58	2.58	3.88		
Wednesday, January 16, 2019		1/16/19 9:45	24:00	1.00	901.80	9,678.0	1.00	0.43	0.43	3.58		
Thursday, January 17, 2019		1/17/19 9:45	24:00	1.00	901.80	9,684.0	6.00	2.58	2.58	3.66		
Friday, January 18, 2019		1/18/19 9:45	24:00	1.00	901.80	9,685.0	1.00	0.43	0.43	3.68		
Saturday, January 19, 2019		1/19/19 9:45	24:00	1.00				0.00	0.00	3.68		
Sunday, January 20, 2019		1/20/19 9:45	24:00	1.00				0.00	0.00	3.68		
Monday, January 21, 2019		1/21/19 9:45	24:00	1.00				0.00	0.00	3.25		
Tuesday, January 22, 2019		1/22/19 9:45	24:00	1.00	901.80	9,685.0	0.00	0.00	0.00	3.25		
Wednesday, January 23, 2019		1/23/19 9:45	24:00	1.00	901.80	9,685.0	0.00	0.00	0.00	2.76		
Thursday, January 24, 2019		1/24/19 9:45	24:00	1.00	901.80	9,705.0	20.00	8.58	8.58	3.05		
Friday, January 25, 2019		1/25/19 9:45	24:00	1.00	901.80	9,705.0	0.00	0.00	0.00	3.05		
Saturday, January 26, 2019		1/26/19 9:45	24:00	1.00				0.00	0.00	2.79		
Sunday, January 27, 2019		1/27/19 9:45	24:00	1.00				0.00	0.00	2.79		
Monday, January 28, 2019		1/28/19 9:45	24:00	1.00	901.80	9,724.0	19.00	8.15	8.15	2.88		
Tuesday, January 29, 2019		1/29/19 9:45	24:00	1.00	901.80	9,724.0	0.00	0.00	0.00	2.73		
Wednesday, January 30, 2019		1/30/19 9:45	24:00	1.00	901.80	9,736.0	12.00	5.15	5.15	2.90		
Thursday, January 31, 2019		1/31/19 9:45	24:00	1.00	901.80	9,736.0	0.00	0.00	0.00	2.90		
Friday, February 1, 2019		2/1/19 9:45	24:00	1.00	901.80	9,737.0	1.00	0.43	0.43	2.92		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Saturday, February 2, 2019	2/2/19 9:45	24:00	1.00				0.00	0.00	2.68		
	Sunday, February 3, 2019	2/3/19 9:45	24:00	1.00				0.00	0.00	2.60		
	Monday, February 4, 2019	2/4/19 9:45	24:00	1.00	901.80	9,756.0	19.00	8.15	8.15	2.70		
	Tuesday, February 5, 2019	2/5/19 9:45	24:00	1.00	901.80	9,776.0	20.00	8.58	8.58	1.80		
	Wednesday, February 6, 2019	2/6/19 9:45	24:00	1.00	901.80	9,796.0	20.00	8.58	8.58	2.07		
	Thursday, February 7, 2019	2/7/19 9:45	24:00	1.00	901.80	9,815.0	19.00	8.15	8.15	2.35		
	Friday, February 8, 2019	2/8/19 9:45	24:00	1.00	901.80	9,835.0	20.00	8.58	8.58	2.63		
	Saturday, February 9, 2019	2/9/19 9:45	24:00	1.00				0.00	0.00	2.35		
	Sunday, February 10, 2019	2/10/19 9:45	24:00	1.00				0.00	0.00	2.26		
	Monday, February 11, 2019	2/11/19 9:45	24:00	1.00	901.80	9,855.0	20.00	8.58	8.58	2.53		
	Tuesday, February 12, 2019	2/12/19 9:45	24:00	1.00	901.80	9,856.0	1.00	0.43	0.43	2.46		
	Wednesday, February 13, 2019	2/13/19 9:45	24:00	1.00	901.80	9,865.0	11.00	4.72	4.72	2.60		
	Thursday, February 14, 2019	2/14/19 9:45	24:00	1.00	901.80	9,870.0	5.00	2.15	2.15	2.68		
	Friday, February 15, 2019	2/15/19 9:45	24:00	1.00	901.80	9,870.0	0.00	0.00	0.00	2.68		
	Saturday, February 16, 2019	2/16/19 9:45	24:00	1.00				0.00	0.00	2.68		
	Sunday, February 17, 2019	2/17/19 9:45	24:00	1.00				0.00	0.00	2.68		
	Monday, February 18, 2019	2/18/19 9:45	24:00	1.00				0.00	0.00	2.68		
	Tuesday, February 19, 2019	2/19/19 9:45	24:00	1.00	901.80	9,885.0	15.00	6.44	6.44	2.60		
	Wednesday, February 20, 2019	2/20/19 9:45	24:00	1.00	901.80	9,886.0	6.00	2.58	2.58	2.69		
	Thursday, February 21, 2019	2/21/19 9:45	24:00	1.00	901.80	9,887.0	1.00	0.43	0.43	2.70		
	Friday, February 22, 2019	2/22/19 9:45	24:00	1.00	901.80	9,906.0	21.00	9.01	9.01	3.00		
	Saturday, February 23, 2019	2/23/19 9:45	24:00	1.00				0.00	0.00	2.73		
	Sunday, February 24, 2019	2/24/19 9:45	24:00	1.00				0.00	0.00	2.73		
	Monday, February 25, 2019	2/25/19 9:45	24:00	1.00	901.90	9,923.0	17.00	7.30	7.30	2.80		
	Tuesday, February 26, 2019	2/26/19 9:45	24:00	1.00	901.90	9,941.0	18.00	7.73	7.73	3.06		
	Wednesday, February 27, 2019	2/27/19 9:45	24:00	1.00	901.90	9,950.0	9.00	3.86	3.86	3.18		
	Thursday, February 28, 2019	2/28/19 9:45	24:00	1.00	901.90	9,952.0	2.00	0.86	0.86	3.20		
	Friday, March 1, 2019	3/1/19 9:45	24:00	1.00	901.90	9,957.0	5.00	2.15	2.15	3.28		
	Saturday, March 2, 2019	3/2/19 9:45	24:00	1.00				0.00	0.00	3.00		
	Sunday, March 3, 2019	3/3/19 9:45	24:00	1.00				0.00	0.00	2.72		
	Monday, March 4, 2019	3/4/19 9:45	24:00	1.00	901.90	9,964.0	7.00	3.00	3.00	2.53		
	Tuesday, March 5, 2019	3/5/19 9:45	24:00	1.00	901.90	9,965.0	1.00	0.43	0.43	2.27		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, March 6, 2019		3/6/19 9:45	24:00	1.00	901.90	9,965.0	0.00	0.00	0.00	1.99		
Thursday, March 7, 2019		3/7/19 9:45	24:00	1.00	901.90	9,967.0	2.00	0.86	0.86	2.02		
Friday, March 8, 2019		3/8/19 9:45	24:00	1.00	901.90	9,967.0	0.00	0.00	0.00	2.02		
Saturday, March 9, 2019		3/9/19 9:45	24:00	1.00				0.00	0.00	1.73		
Sunday, March 10, 2019		3/10/19 9:45	24:00	1.00				0.00	0.00	1.72		
Monday, March 11, 2019		3/11/19 9:45	24:00	1.00	901.90	9,997.0	30.00	12.88	12.88	1.99		
Tuesday, March 12, 2019		3/12/19 9:45	24:00	1.00	901.90	9,998.0	1.00	0.43	0.43	1.93		
Wednesday, March 13, 2019		3/13/19 9:45	24:00	1.00	901.90	10,014.0	16.00	6.87	6.87	2.16		
Thursday, March 14, 2019		3/14/19 9:45	24:00	1.00	901.90	10,030.0	16.00	6.87	6.87	2.39		
Friday, March 15, 2019		3/15/19 9:45	24:00	1.00	901.90	10,051.0	21.00	9.01	9.01	2.69		
Saturday, March 16, 2019		3/16/19 9:45	24:00	1.00				0.00	0.00	2.69		
Sunday, March 17, 2019		3/17/19 9:45	24:00	1.00				0.00	0.00	2.47		
Monday, March 18, 2019		3/18/19 9:45	24:00	1.00	901.90	10,070.0	19.00	8.15	8.15	2.66		
Tuesday, March 19, 2019		3/19/19 9:45	24:00	1.00	901.90	10,071.0	1.00	0.43	0.43	2.66		
Wednesday, March 20, 2019		3/20/19 9:45	24:00	1.00	901.90	10,072.0	1.00	0.43	0.43	2.37		
Thursday, March 21, 2019		3/21/19 9:45	24:00	1.00	901.90	10,072.0	0.00	0.00	0.00	2.37		
Friday, March 22, 2019		3/22/19 9:45	24:00	1.00	901.90	10,075.0	3.00	1.29	1.29	2.42		
Saturday, March 23, 2019		3/23/19 9:45	24:00	1.00				0.00	0.00	2.17		
Sunday, March 24, 2019		3/24/19 9:45	24:00	1.00				0.00	0.00	1.92		
Monday, March 25, 2019		3/25/19 9:45	24:00	1.00	901.90	10,098.0	23.00	9.87	9.87	2.12		
Tuesday, March 26, 2019		3/26/19 9:45	24:00	1.00	901.90	10,117.0	19.00	8.15	8.15	2.36		
Wednesday, March 27, 2019		3/27/19 9:45	24:00	1.00	901.90	10,127.0	10.00	4.29	4.29	2.43		
Thursday, March 28, 2019		3/28/19 9:45	24:00	1.00	901.90	10,130.0	3.00	1.29	1.29	2.47		
Friday, March 29, 2019		3/29/19 9:45	24:00	1.00	901.90	10,132.0	2.00	0.86	0.86	2.50		
Saturday, March 30, 2019		3/30/19 9:45	24:00	1.00				0.00	0.00	2.40		
Sunday, March 31, 2019		3/31/19 9:45	24:00	1.00				0.00	0.00	2.39		
Monday, April 1, 2019		4/1/19 9:45	24:00	1.00	901.90	10,150.0	18.00	7.73	7.73	2.65		
Tuesday, April 2, 2019		4/2/19 9:45	24:00	1.00	901.90	10,150.0	0.00	0.00	0.00	2.62		
Wednesday, April 3, 2019		4/3/19 9:45	24:00	1.00	901.90	10,164.0	14.00	6.01	6.01	2.82		
Thursday, April 4, 2019		4/4/19 9:45	24:00	1.00	901.90	10,164.0	0.00	0.00	0.00	2.82		
Friday, April 5, 2019		4/5/19 9:45	24:00	1.00	901.90	10,164.0	0.00	0.00	0.00	2.82		
Saturday, April 6, 2019		4/6/19 9:45	24:00	1.00				0.00	0.00	2.39		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Sunday, April 7, 2019	4/7/19 9:45	24:00	1.00				0.00	0.00	2.37		
	Monday, April 8, 2019	4/8/19 9:45	24:00	1.00	901.90	10,164.0	0.00	0.00	0.00	2.15		
	Tuesday, April 9, 2019	4/9/19 9:45	24:00	1.00	901.90	10,185.0	21.00	9.01	9.01	2.22		
	Wednesday, April 10, 2019	4/10/19 9:45	24:00	1.00	901.90	10,199.0	14.00	6.01	6.01	2.12		
	Thursday, April 11, 2019	4/11/19 9:45	24:00	1.00	901.90	10,201.0	2.00	0.86	0.86	2.15		
	Friday, April 12, 2019	4/12/19 9:45	24:00	1.00	902.00	10,201.0	0.00	0.00	0.00	2.15		
	Saturday, April 13, 2019	4/13/19 9:45	24:00	1.00				0.00	0.00	1.87		
	Sunday, April 14, 2019	4/14/19 9:45	24:00	1.00				0.00	0.00	1.86		
	Monday, April 15, 2019	4/15/19 9:45	24:00	1.00	902.00	10,222.0	21.00	9.01	9.01	2.15		
	Tuesday, April 16, 2019	4/16/19 9:45	24:00	1.00	902.00	10,223.0	1.00	0.43	0.43	2.16		
	Wednesday, April 17, 2019	4/17/19 9:45	24:00	1.00	902.00	10,240.0	17.00	7.30	7.30	2.36		
	Thursday, April 18, 2019	4/18/19 9:45	24:00	1.00	902.00	10,246.0	6.00	2.58	2.58	2.45		
	Friday, April 19, 2019	4/19/19 9:45	24:00	1.00	902.00	10,246.0	0.00	0.00	0.00	2.45		
	Saturday, April 20, 2019	4/20/19 9:45	24:00	1.00				0.00	0.00	2.12		
	Sunday, April 21, 2019	4/21/19 9:45	24:00	1.00				0.00	0.00	1.85		
	Monday, April 22, 2019	4/22/19 9:45	24:00	1.00	902.00	10,264.0	18.00	7.73	7.73	1.96		
	Tuesday, April 23, 2019	4/23/19 9:45	24:00	1.00	902.00	10,270.0	6.00	2.58	2.58	2.00		
	Wednesday, April 24, 2019	4/24/19 9:45	24:00	1.00	902.00	10,275.0	5.00	2.15	2.15	2.05		
	Thursday, April 25, 2019	4/25/19 9:45	24:00	1.00	902.00	10,275.0	0.00	0.00	0.00	2.05		
	Friday, April 26, 2019	4/26/19 9:45	24:00	1.00	902.00	10,285.0	10.00	4.29	4.29	2.19		
	Saturday, April 27, 2019	4/27/19 9:45	24:00	1.00				0.00	0.00	1.93		
	Sunday, April 28, 2019	4/28/19 9:45	24:00	1.00				0.00	0.00	1.93		
	Monday, April 29, 2019	4/29/19 9:45	24:00	1.00	902.00	10,294.0	9.00	3.86	3.86	1.86		
	Tuesday, April 30, 2019	4/30/19 9:45	24:00	1.00	902.00	10,294.0	0.00	0.00	0.00	1.86		
	Wednesday, May 1, 2019	5/1/19 9:45	24:00	1.00	902.00	10,294.0	0.00	0.00	0.00	1.86		
	Thursday, May 2, 2019	5/2/19 9:45	24:00	1.00	902.00	10,311.0	13.00	5.58	5.58	2.05		
	Friday, May 3, 2019	5/3/19 9:45	24:00	1.00	902.00	10,329.0	18.00	7.73	7.73	2.30		
	Saturday, May 4, 2019	5/4/19 9:45	24:00	1.00				0.00	0.00	2.30		
	Sunday, May 5, 2019	5/5/19 9:45	24:00	1.00				0.00	0.00	2.00		
	Monday, May 6, 2019	5/6/19 9:45	24:00	1.00	902.00	10,347.0	18.00	7.73	7.73	2.06		
	Tuesday, May 7, 2019	5/7/19 9:45	24:00	1.00	902.00	10,360.0	13.00	5.58	5.58	2.22		
	Wednesday, May 8, 2019	5/8/19 9:45	24:00	1.00	902.00	10,370.0	10.00	4.29	4.29	2.36		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, May 9, 2019		5/9/19 9:45	24:00	1.00	902.10	10,381.0	11.00	4.72	4.72	2.52		
Friday, May 10, 2019		5/10/19 9:45	24:00	1.00	902.00	10,389.0	8.00	3.43	3.43	2.63		
Saturday, May 11, 2019		5/11/19 9:45	24:00	1.00				0.00	0.00	2.33		
Sunday, May 12, 2019		5/12/19 9:45	24:00	1.00				0.00	0.00	2.32		
Monday, May 13, 2019		5/13/19 9:45	24:00	1.00	902.00	10,410.0	21.00	9.01	9.01	2.37		
Tuesday, May 14, 2019		5/14/19 9:45	24:00	1.00	902.00	10,431.0	21.00	9.01	9.01	2.59		
Wednesday, May 15, 2019		5/15/19 9:45	24:00	1.00	902.00	10,450.0	19.00	8.15	8.15	2.86		
Thursday, May 16, 2019		5/16/19 9:45	24:00	1.00	902.00	10,466.0	16.00	6.87	6.87	3.09		
Friday, May 17, 2019		5/17/19 9:45	24:00	1.00	902.00	10,472.0	6.00	2.58	2.58	3.18		
Saturday, May 18, 2019		5/18/19 9:45	24:00	1.00				0.00	0.00	2.92		
Sunday, May 19, 2019		5/19/19 9:45	24:00	1.00				0.00	0.00	2.83		
Monday, May 20, 2019		5/20/19 9:45	24:00	1.00	902.00	10,480.0	8.00	3.43	3.43	2.88		
Tuesday, May 21, 2019		5/21/19 9:45	24:00	1.00	902.00	10,481.0	1.00	0.43	0.43	2.89		
Wednesday, May 22, 2019		5/22/19 9:45	24:00	1.00	902.00	10,482.0	1.00	0.43	0.43	2.76		
Thursday, May 23, 2019		5/23/19 9:45	24:00	1.00	902.00	10,482.0	0.00	0.00	0.00	2.76		
Friday, May 24, 2019		5/24/19 9:45	24:00	1.00	902.00	10,482.0	0.00	0.00	0.00	2.76		
Saturday, May 25, 2019		5/25/19 9:45	24:00	1.00				0.00	0.00	2.63		
Sunday, May 26, 2019		5/26/19 9:45	24:00	1.00				0.00	0.00	2.63		
Monday, May 27, 2019		5/27/19 9:45	24:00	1.00	902.00	10,505.0	23.00	9.87	9.87	2.96		
Tuesday, May 28, 2019		5/28/19 9:45	24:00	1.00	902.00	10,505.0	0.00	0.00	0.00	2.78		
Wednesday, May 29, 2019		5/29/19 9:45	24:00	1.00	902.00	10,507.0	2.00	0.86	0.86	2.55		
Thursday, May 30, 2019		5/30/19 9:45	24:00	1.00	902.00	10,507.0	0.00	0.00	0.00	2.55		
Friday, May 31, 2019		5/31/19 9:45	24:00	1.00	902.00	10,508.0	1.00	0.43	0.43	2.56		
Saturday, June 1, 2019		6/1/19 9:45	24:00	1.00				0.00	0.00	2.30		
Sunday, June 2, 2019		6/2/19 9:45	24:00	1.00				0.00	0.00	2.12		
Monday, June 3, 2019		6/3/19 9:45	24:00	1.00	902.00	10,508.0	0.00	0.00	0.00	1.97		
Tuesday, June 4, 2019		6/4/19 9:45	24:00	1.00	902.00	10,508.0	0.00	0.00	0.00	1.82		
Wednesday, June 5, 2019		6/5/19 9:45	24:00	1.00	902.00	10,528.0	20.00	8.58	8.58	1.99		
Thursday, June 6, 2019		6/6/19 9:45	24:00	1.00	902.00	10,538.0	10.00	4.29	4.29	2.13		
Friday, June 7, 2019		6/7/19 9:45	24:00	1.00	902.00	10,539.0	1.00	0.43	0.43	2.15		
Saturday, June 8, 2019		6/8/19 9:45	24:00	1.00				0.00	0.00	1.85		
Sunday, June 9, 2019		6/9/19 9:45	24:00	1.00				0.00	0.00	1.55		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, June 10, 2019	6/10/19 9:45	24:00	1.00	902.00	10,539.0		0.00	0.00	1.27			
Tuesday, June 11, 2019	6/11/19 9:45	24:00	1.00	902.00	10,540.0	1.00	0.43	0.43	1.06			
Wednesday, June 12, 2019	6/12/19 9:45	24:00	1.00	902.00	10,558.0	18.00	7.73	7.73	1.23			
Thursday, June 13, 2019	6/13/19 9:45	24:00	1.00	902.00	10,568.0	10.00	4.29	4.29	1.37			
Friday, June 14, 2019	6/14/19 9:45	24:00	1.00	902.00	10,571.0	3.00	1.29	1.29	1.42			
Saturday, June 15, 2019	6/15/19 9:45	24:00	1.00				0.00	0.00	1.30			
Sunday, June 16, 2019	6/16/19 9:45	24:00	1.00				0.00	0.00	1.29			
Monday, June 17, 2019	6/17/19 9:45	24:00	1.00	902.00	10,593.0	22.00	9.44	9.44	1.59			
Tuesday, June 18, 2019	6/18/19 9:45	24:00	1.00	902.00	10,597.0	4.00	1.72	1.72	1.65			
Wednesday, June 19, 2019	6/19/19 9:45	24:00	1.00	902.00	10,597.0	0.00	0.00	0.00	1.65			
Thursday, June 20, 2019	6/20/19 9:45	24:00	1.00	902.00	10,599.0	2.00	0.86	0.86	1.67			
Friday, June 21, 2019	6/21/19 9:45	24:00	1.00	902.00	10,616.0	17.00	7.30	7.30	1.92			
Saturday, June 22, 2019	6/22/19 9:45	24:00	1.00				0.00	0.00	1.59			
Sunday, June 23, 2019	6/23/19 9:45	24:00	1.00				0.00	0.00	1.59			
Monday, June 24, 2019	6/24/19 9:45	24:00	1.00	902.00	10,637.0	21.00	9.01	9.01	1.86			
Tuesday, June 25, 2019	6/25/19 9:45	24:00	1.00	902.10	10,647.0	10.00	4.29	4.29	2.00			
Wednesday, June 26, 2019	6/26/19 9:45	24:00	1.00	902.10	10,654.0	8.00	3.43	3.43	2.10			
Thursday, June 27, 2019	6/27/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	2.10			
Friday, June 28, 2019	6/28/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	2.10			
Saturday, June 29, 2019	6/29/19 9:45	24:00	1.00				0.00	0.00	2.10			
Sunday, June 30, 2019	6/30/19 9:45	24:00	1.00				0.00	0.00	2.10			
Monday, July 1, 2019	7/1/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.82			
Tuesday, July 2, 2019	7/2/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.67			
Wednesday, July 3, 2019	7/3/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.66			
Thursday, July 4, 2019	7/4/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.66			
Friday, July 5, 2019	7/5/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.66			
Saturday, July 6, 2019	7/6/19 9:45	24:00	1.00				0.00	0.00	1.66			
Sunday, July 7, 2019	7/7/19 9:45	24:00	1.00				0.00	0.00	1.65			
Monday, July 8, 2019	7/8/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.39			
Tuesday, July 9, 2019	7/9/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.24			
Wednesday, July 10, 2019	7/10/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.20			
Thursday, July 11, 2019	7/11/19 9:45	24:00	1.00	902.10	10,654.0	0.00	0.00	0.00	1.20			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, July 12, 2019		7/12/19 9:45	24:00	1.00	902.10	10,673.0	19.00	8.15	8.15	1.47		
Saturday, July 13, 2019		7/13/19 9:45	24:00	1.00				0.00	0.00	1.16		
Sunday, July 14, 2019		7/14/19 9:45	24:00	1.00				0.00	0.00	1.10		
Monday, July 15, 2019		7/15/19 9:45	24:00	1.00	902.10	10,676.0	3.00	1.29	1.29	1.14		
Tuesday, July 16, 2019		7/16/19 9:45	24:00	1.00	902.10	10,676.0	0.00	0.00	0.00	1.12		
Wednesday, July 17, 2019		7/17/19 9:45	24:00	1.00	902.10	10,676.0	2.00	0.86	0.86	0.90		
Thursday, July 18, 2019		7/18/19 9:45	24:00	1.00	902.10	10,695.0	19.00	8.15	8.15	1.17		
Friday, July 19, 2019		7/19/19 9:45	24:00	1.00	902.10	10,697.0	2.00	0.86	0.86	1.20		
Saturday, July 20, 2019		7/20/19 9:45	24:00	1.00				0.00	0.00	0.90		
Sunday, July 21, 2019		7/21/19 9:45	24:00	1.00				0.00	0.00	0.76		
Monday, July 22, 2019		7/22/19 9:45	24:00	1.00	902.10	10,699.0	2.00	0.86	0.86	0.67		
Tuesday, July 23, 2019		7/23/19 9:45	24:00	1.00	902.10	10,718.0	19.00	8.15	8.15	0.94		
Wednesday, July 24, 2019		7/24/19 9:45	24:00	1.00	902.10	10,719.0	1.00	0.43	0.43	0.96		
Thursday, July 25, 2019		7/25/19 9:45	24:00	1.00	902.10	10,720.0	1.00	0.43	0.43	0.97		
Friday, July 26, 2019		7/26/19 9:45	24:00	1.00	902.10	10,720.0	0.00	0.00	0.00	0.97		
Saturday, July 27, 2019		7/27/19 9:45	24:00	1.00				0.00	0.00	0.97		
Sunday, July 28, 2019		7/28/19 9:45	24:00	1.00				0.00	0.00	0.97		
Monday, July 29, 2019		7/29/19 9:45	24:00	1.00	902.10	10,722.0	2.00	0.86	0.86	1.00		
Tuesday, July 30, 2019		7/30/19 9:45	24:00	1.00	902.10	10,723.0	1.00	0.43	0.43	1.02		
Wednesday, July 31, 2019		7/31/19 9:45	24:00	1.00	902.10	10,723.0	0.00	0.00	0.00	1.02		
Thursday, August 1, 2019		8/1/19 9:45	24:00	1.00	902.10	10,724.0	1.00	0.43	0.43	1.03		
Friday, August 2, 2019		8/2/19 9:45	24:00	1.00	902.10	10,725.0	1.00	0.43	0.43	1.04		
Saturday, August 3, 2019		8/3/19 9:45	24:00	1.00				0.00	0.00	1.04		
Sunday, August 4, 2019		8/4/19 9:45	24:00	1.00				0.00	0.00	1.04		
Monday, August 5, 2019		8/5/19 9:45	24:00	1.00	902.10	10,729.0	7.00	3.00	3.00	1.14		
Tuesday, August 6, 2019		8/6/19 9:45	24:00	1.00	902.10	10,731.0	2.00	0.86	0.86	1.17		
Wednesday, August 7, 2019		8/7/19 9:45	24:00	1.00	902.10	10,732.0	1.00	0.43	0.43	0.92		
Thursday, August 8, 2019		8/8/19 9:45	24:00	1.00	902.10	10,732.0	0.00	0.00	0.00	0.92		
Friday, August 9, 2019		8/9/19 9:45	24:00	1.00	902.10	10,734.0	2.00	0.86	0.86	0.94		
Saturday, August 10, 2019		8/10/19 9:45	24:00	1.00				0.00	0.00	0.90		
Sunday, August 11, 2019		8/11/19 9:45	24:00	1.00				0.00	0.00	0.90		
Monday, August 12, 2019		8/12/19 9:45	24:00	1.00	902.10	10,743.0	9.00	3.86	3.86	1.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS

LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
		8/13/19 9:45	24:00	1.00	902.10	10,743.0	0.00	0.00	0.00	0.73		
Wednesday, August 14, 2019		8/14/19 9:45	24:00	1.00	902.10	10,744.0	1.00	0.43	0.43	0.72		
Thursday, August 15, 2019		8/15/19 9:45	24:00	1.00	902.10	10,744.0	0.00	0.00	0.00	0.72		
Friday, August 16, 2019		8/16/19 9:45	24:00	1.00	902.10	10,744.0	0.00	0.00	0.00	0.72		
Saturday, August 17, 2019		8/17/19 9:45	24:00	1.00				0.00	0.00	0.69		
Sunday, August 18, 2019		8/18/19 9:45	24:00	1.00				0.00	0.00	0.41		
Monday, August 19, 2019		8/19/19 9:45	24:00	1.00	902.10	10,808.0	64.00	27.47	27.47	1.32		
Tuesday, August 20, 2019		8/20/19 9:45	24:00	1.00	902.10	10,808.0	0.00	0.00	0.00	1.30		
Wednesday, August 21, 2019		8/21/19 9:45	24:00	1.00	902.10	10,822.0	14.00	6.01	6.01	1.50		
Thursday, August 22, 2019		8/22/19 9:45	24:00	1.00	902.10	10,823.0	1.00	0.43	0.43	1.52		
Friday, August 23, 2019		8/23/19 9:45	24:00	1.00	902.10	10,823.0	0.00	0.00	0.00	1.52		
Saturday, August 24, 2019		8/24/19 9:45	24:00	1.00				0.00	0.00	1.49		
Sunday, August 25, 2019		8/25/19 9:45	24:00	1.00				0.00	0.00	1.47		
Monday, August 26, 2019		8/26/19 9:45	24:00	1.00	902.10	10,827.0	4.00	1.72	1.72	1.53		
Tuesday, August 27, 2019		8/27/19 9:45	24:00	1.00	902.10	10,827.0	0.00	0.00	0.00	1.52		
Wednesday, August 28, 2019		8/28/19 9:45	24:00	1.00	902.10	10,831.0	4.00	1.72	1.72	1.56		
Thursday, August 29, 2019		8/29/19 9:45	24:00	1.00	902.10	10,831.0	0.00	0.00	0.00	1.56		
Friday, August 30, 2019		8/30/19 9:45	24:00	1.00	902.10	10,831.0	0.00	0.00	0.00	1.56		
Saturday, August 31, 2019		8/31/19 9:45	24:00	1.00				0.00	0.00	1.46		
Sunday, September 1, 2019		9/1/19 9:45	24:00	1.00				0.00	0.00	1.43		
Monday, September 2, 2019		9/2/19 9:45	24:00	1.00				0.00	0.00	1.42		
Tuesday, September 3, 2019		9/3/19 9:45	24:00	1.00	902.10	10,852.0	21.00	9.01	9.01	1.72		
Wednesday, September 4, 2019		9/4/19 9:45	24:00	1.00	902.10	10,859.0	7.00	3.00	3.00	1.79		
Thursday, September 5, 2019		9/5/19 9:45	24:00	1.00	902.10	10,859.0	0.00	0.00	0.00	1.79		
Friday, September 6, 2019		9/6/19 9:45	24:00	1.00	902.10	10,865.0	6.00	2.58	2.58	1.87		
Saturday, September 7, 2019		9/7/19 9:45	24:00	1.00				0.00	0.00	1.75		
Sunday, September 8, 2019		9/8/19 9:45	24:00	1.00				0.00	0.00	1.75		
Monday, September 9, 2019		9/9/19 9:45	24:00	1.00	902.10	10,868.0	3.00	1.29	1.29	1.77		
Tuesday, September 10, 2019		9/10/19 9:45	24:00	1.00	902.10	10,868.0	0.00	0.00	0.00	1.77		
Wednesday, September 11, 2019		9/11/19 9:45	24:00	1.00	902.10	10,869.0	1.00	0.43	0.43	1.79		
Thursday, September 12, 2019		9/12/19 9:45	24:00	1.00	902.10	10,869.0	0.00	0.00	0.00	1.79		
Friday, September 13, 2019		9/13/19 9:45	24:00	1.00	902.10	10,871.0	2.00	0.86	0.86	1.82		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, September 14, 2019	9/14/19 9:45	24:00	1.00					0.00	0.00	0.90		
Sunday, September 15, 2019	9/15/19 9:45	24:00	1.00					0.00	0.00	0.90		
Monday, September 16, 2019	9/16/19 9:45	24:00	1.00		902.10	10,871.0		0.00	0.00	0.70		
Tuesday, September 17, 2019	9/17/19 9:45	24:00	1.00		902.10	10,871.0		0.00	0.00	0.69		
Wednesday, September 18, 2019	9/18/19 9:45	24:00	1.00		902.10	10,871.0		0.00	0.00	0.69		
Thursday, September 19, 2019	9/19/19 9:45	24:00	1.00		902.10	10,871.0		0.00	0.00	0.69		
Friday, September 20, 2019	9/20/19 9:45	24:00	1.00		902.10	10,871.0		0.00	0.00	0.69		
Saturday, September 21, 2019	9/21/19 9:45	24:00	1.00					0.00	0.00	0.63		
Sunday, September 22, 2019	9/22/19 9:45	24:00	1.00					0.00	0.00	0.63		
Monday, September 23, 2019	9/23/19 9:45	24:00	1.00		902.10	10,886.0	15.00	6.44	6.44	0.79		
Tuesday, September 24, 2019	9/24/19 9:45	24:00	1.00		902.10	10,886.0	0.00	0.00	0.00	0.79		
Wednesday, September 25, 2019	9/25/19 9:45	24:00	1.00		902.10	10,892.0	6.00	2.58	2.58	0.87		
Thursday, September 26, 2019	9/26/19 9:45	24:00	1.00		902.10	10,895.0	3.00	1.29	1.29	0.92		
Friday, September 27, 2019	9/27/19 9:45	24:00	1.00		902.10	10,895.0	0.00	0.00	0.00	0.92		
Saturday, September 28, 2019	9/28/19 9:45	24:00	1.00					0.00	0.00	0.92		
Sunday, September 29, 2019	9/29/19 9:45	24:00	1.00					0.00	0.00	0.62		
Monday, September 30, 2019	9/30/19 9:45	24:00	1.00		902.10	10,896.0	1.00	0.43	0.43	0.53		
Tuesday, October 1, 2019	10/1/19 9:45	24:00	1.00		902.10	10,896.0	0.00	0.00	0.00	0.53		
Wednesday, October 2, 2019	10/2/19 9:45	24:00	1.00		902.10	10,900.0	4.00	1.72	1.72	0.50		
Thursday, October 3, 2019	10/3/19 9:45	24:00	1.00		902.10	10,900.0	0.00	0.00	0.00	0.50		
Friday, October 4, 2019	10/4/19 9:45	24:00	1.00		902.10	10,919.0	19.00	8.15	8.15	0.77		
Saturday, October 5, 2019	10/5/19 9:45	24:00	1.00					0.00	0.00	0.73		
Sunday, October 6, 2019	10/6/19 9:45	24:00	1.00					0.00	0.00	0.73		
Monday, October 7, 2019	10/7/19 9:45	24:00	1.00		902.10	10,936.0	17.00	7.30	7.30	0.96		
Tuesday, October 8, 2019	10/8/19 9:45	24:00	1.00		902.10	10,955.0	19.00	8.15	8.15	1.23		
Wednesday, October 9, 2019	10/9/19 9:45	24:00	1.00		902.10	10,962.0	7.00	3.00	3.00	1.30		
Thursday, October 10, 2019	10/10/19 9:45	24:00	1.00		902.10	10,965.0	3.00	1.29	1.29	1.34		
Friday, October 11, 2019	10/11/19 9:45	24:00	1.00		902.10	10,966.0	1.00	0.43	0.43	1.36		
Saturday, October 12, 2019	10/12/19 9:45	24:00	1.00					0.00	0.00	1.36		
Sunday, October 13, 2019	10/13/19 9:45	24:00	1.00					0.00	0.00	1.36		
Monday, October 14, 2019	10/14/19 9:45	24:00	1.00					0.00	0.00	1.36		
Tuesday, October 15, 2019	10/15/19 9:45	24:00	1.00		902.10	10,973.0	7.00	3.00	3.00	1.46		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, October 16, 2019		10/16/19 9:45	24:00	1.00	902.10	10,975.0	2.00	0.86	0.86	1.49		
Thursday, October 17, 2019		10/17/19 9:45	24:00	1.00	902.10	10,997.0	22.00	9.44	9.44	1.80		
Friday, October 18, 2019		10/18/19 9:45	24:00	1.00	902.10	11,016.0	19.00	8.15	8.15	2.07		
Saturday, October 19, 2019		10/19/19 9:45	24:00	1.00				0.00	0.00	1.86		
Sunday, October 20, 2019		10/20/19 9:45	24:00	1.00				0.00	0.00	1.86		
Monday, October 21, 2019		10/21/19 9:45	24:00	1.00	902.10	11,034.0	18.00	7.73	7.73	2.03		
Tuesday, October 22, 2019		10/22/19 9:45	24:00	1.00	902.10	11,035.0	1.00	0.43	0.43	2.00		
Wednesday, October 23, 2019		10/23/19 9:45	24:00	1.00	902.10	11,050.0	15.00	6.44	6.44	2.22		
Thursday, October 24, 2019		10/24/19 9:45	24:00	1.00	902.10	11,062.0	12.00	5.15	5.15	2.39		
Friday, October 25, 2019		10/25/19 9:45	24:00	1.00	902.10	11,064.0	2.00	0.86	0.86	2.42		
Saturday, October 26, 2019		10/26/19 9:45	24:00	1.00				0.00	0.00	2.40		
Sunday, October 27, 2019		10/27/19 9:45	24:00	1.00				0.00	0.00	2.40		
Monday, October 28, 2019		10/28/19 9:45	24:00	1.00	902.20	11,083.0	19.00	8.15	8.15	2.62		
Tuesday, October 29, 2019		10/29/19 9:45	24:00	1.00	902.20	11,083.0	0.00	0.00	0.00	2.62		
Wednesday, October 30, 2019		10/30/19 9:45	24:00	1.00	902.20	11,102.0	19.00	8.15	8.15	2.62		
Thursday, October 31, 2019		10/31/19 9:45	24:00	1.00	902.20	11,121.0	19.00	8.15	8.15	2.89		
Friday, November 1, 2019		11/1/19 9:45	24:00	1.00	902.20	11,125.0		0.00	0.00	2.89		
Saturday, November 2, 2019		11/2/19 9:45	24:00	1.00				0.00	0.00	2.65		
Sunday, November 3, 2019		11/3/19 9:45	24:00	1.00				0.00	0.00	2.37		
Monday, November 4, 2019		11/4/19 9:45	24:00	1.00	902.20	11,140.0	15.00	6.44	6.44	2.49		
Tuesday, November 5, 2019		11/5/19 9:45	24:00	1.00	902.20	11,142.0	2.00	0.86	0.86	2.47		
Wednesday, November 6, 2019		11/6/19 9:45	24:00	1.00	902.20	11,142.0	0.00	0.00	0.00	2.46		
Thursday, November 7, 2019		11/7/19 9:45	24:00	1.00	902.20	11,142.0	0.00	0.00	0.00	2.46		
Friday, November 8, 2019		11/8/19 9:45	24:00	1.00	902.20	11,145.0	3.00	1.29	1.29	2.50		
Saturday, November 9, 2019		11/9/19 9:45	24:00	1.00				0.00	0.00	2.50		
Sunday, November 10, 2019		11/10/19 9:45	24:00	1.00				0.00	0.00	2.40		
Monday, November 11, 2019		11/11/19 9:45	24:00	1.00				0.00	0.00	2.37		
Tuesday, November 12, 2019		11/12/19 9:45	24:00	1.00	902.20	11,152.0	7.00	3.00	3.00	2.16		
Wednesday, November 13, 2019		11/13/19 9:45	24:00	1.00	902.20	11,152.0	0.00	0.00	0.00	1.89		
Thursday, November 14, 2019		11/14/19 9:45	24:00	1.00	902.20	11,152.0	0.00	0.00	0.00	1.89		
Friday, November 15, 2019		11/15/19 9:45	24:00	1.00	902.20	11,152.0	0.00	0.00	0.00	1.89		
Saturday, November 16, 2019		11/16/19 9:45	24:00	1.00				0.00	0.00	1.63		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS

LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Sunday, November 17, 2019	11/17/19 9:45	24:00	1.00				0.00	0.00	1.62		
	Monday, November 18, 2019	11/18/19 9:45	24:00	1.00	902.20	11,171.0	19.00	8.15	8.15	1.67		
	Tuesday, November 19, 2019	11/19/19 9:45	24:00	1.00	902.20	11,181.0	10.00	4.29	4.29	1.65		
	Wednesday, November 20, 2019	11/20/19 9:45	24:00	1.00	902.20	11,184.0	3.00	1.29	1.29	1.66		
	Thursday, November 21, 2019	11/21/19 9:45	24:00	1.00	902.20	11,189.0	5.00	2.15	2.15	1.73		
	Friday, November 22, 2019	11/22/19 9:45	24:00	1.00	902.20	11,190.0	1.00	0.43	0.43	1.75		
	Saturday, November 23, 2019	11/23/19 9:45	24:00	1.00				0.00	0.00	1.47		
	Sunday, November 24, 2019	11/24/19 9:45	24:00	1.00				0.00	0.00	1.47		
	Monday, November 25, 2019	11/25/19 9:45	24:00	1.00	902.20	11,198.0	8.00	3.43	3.43	1.32		
	Tuesday, November 26, 2019	11/26/19 9:45	24:00	1.00	902.20	11,198.0	0.00	0.00	0.00	1.04		
	Wednesday, November 27, 2019	11/27/19 9:45	24:00	1.00	902.20	11,198.0	0.00	0.00	0.00	1.04		
	Thursday, November 28, 2019	11/28/19 9:45	24:00	1.00	902.20	11,198.0	0.00	0.00	0.00	1.04		
	Friday, November 29, 2019	11/29/19 9:45	24:00	1.00	902.20	11,202.0	4.00	1.72	1.72	1.10		
	Saturday, November 30, 2019	11/30/19 9:45	24:00	1.00				0.00	0.00	0.89		
	Sunday, December 1, 2019	12/1/19 9:45	24:00	1.00				0.00	0.00	0.86		
	Monday, December 2, 2019	12/2/19 9:45	24:00	1.00	902.20	11,212.0	10.00	4.29	4.29	1.00		
	Tuesday, December 3, 2019	12/3/19 9:45	24:00	1.00	902.20	11,213.0	1.00	0.43	0.43	1.02		
	Wednesday, December 4, 2019	12/4/19 9:45	24:00	1.00	902.20	11,213.0	0.00	0.00	0.00	0.97		
	Thursday, December 5, 2019	12/5/19 9:45	24:00	1.00	902.20	11,224.0	11.00	4.72	4.72	1.13		
	Friday, December 6, 2019	12/6/19 9:45	24:00	1.00	902.20	11,224.0		0.00	0.00	1.13		
	Saturday, December 7, 2019	12/7/19 9:45	24:00	1.00				0.00	0.00	1.13		
	Sunday, December 8, 2019	12/8/19 9:45	24:00	1.00				0.00	0.00	1.03		
	Monday, December 9, 2019	12/9/19 9:45	24:00	1.00	902.20	11,245.0	21.00	9.01	9.01	1.33		
	Tuesday, December 10, 2019	12/10/19 9:45	24:00	1.00	902.20	11,245.0	0.00	0.00	0.00	1.33		
	Wednesday, December 11, 2019	12/11/19 9:45	24:00	1.00	902.20	11,260.0	15.00	6.44	6.44	1.55		
	Thursday, December 12, 2019	12/12/19 9:45	24:00	1.00	902.20	11,261.0	1.00	0.43	0.43	1.56		
	Friday, December 13, 2019	12/13/19 9:45	24:00	1.00	902.20	11,281.0	20.00	8.58	8.58	1.85		
	Saturday, December 14, 2019	12/14/19 9:45	24:00	1.00				0.00	0.00	1.57		
	Sunday, December 15, 2019	12/15/19 9:45	24:00	1.00				0.00	0.00	1.43		
	Monday, December 16, 2019	12/16/19 9:45	24:00	1.00	902.20	11,300.0	19.00	8.15	8.15	1.66		
	Tuesday, December 17, 2019	12/17/19 9:45	24:00	1.00	902.20	11,301.0	1.00	0.43	0.43	1.60		
	Wednesday, December 18, 2019	12/18/19 9:45	24:00	1.00	902.20	11,320.0	19.00	8.15	8.15	1.86		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE SEVEN (LTMH-7, Southern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acres per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, December 19, 2019	12/19/19 9:45	24:00	1.00	902.20	11,321.0	1.00	0.43	0.43	1.87			
Friday, December 20, 2019	12/20/19 9:45	24:00	1.00	902.20	11,338.0	17.00	7.30	7.30	2.12			
Saturday, December 21, 2019	12/21/19 9:45	24:00	1.00				0.00	0.00	2.00			
Sunday, December 22, 2019	12/22/19 9:45	24:00	1.00				0.00	0.00	2.00			
Monday, December 23, 2019	12/23/19 9:45	24:00	1.00	902.20	11,354.0	16.00	6.87	6.87	2.23			
Tuesday, December 24, 2019	12/24/19 9:45	24:00	1.00	902.20	11,370.0	16.00	6.87	6.87	2.46			
Wednesday, December 25, 2019	12/25/19 9:45	24:00	1.00	902.20	11,370.0	0.00	0.00	0.00	2.40			
Thursday, December 26, 2019	12/26/19 9:45	24:00	1.00	902.20	11,390.0	20.00	8.58	8.58	2.69			
Friday, December 27, 2019	12/27/19 9:45	24:00	1.00	902.20	11,399.0	9.00	3.86	3.86	2.82			
Saturday, December 28, 2019	12/28/19 9:45	24:00	1.00				0.00	0.00	2.68			
Sunday, December 29, 2019	12/29/19 9:45	24:00	1.00				0.00	0.00	2.66			
Monday, December 30, 2019	12/30/19 9:45	24:00	1.00	902.20	11,447.0	48.00	20.60	20.60	3.35			
Tuesday, December 31, 2019	12/31/19 9:45	24:00	1.00	902.20	11,470.0	23.00	9.87	9.87	3.52			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019		1/1/19 9:45	24:00	1.00	868.90	55,773.0	0.00	0.00	0.00	3.58		
Wednesday, January 2, 2019		1/2/19 9:45	24:00	1.00	868.90	55,795.0	22.00	9.44	9.44	3.69		
Thursday, January 3, 2019		1/3/19 9:45	24:00	1.00	868.90	55,808.0	13.00	5.58	5.58	3.71		
Friday, January 4, 2019		1/4/19 9:45	24:00	1.00	868.90	55,827.0	19.00	8.15	8.15	3.91		
Saturday, January 5, 2019		1/5/19 9:45	24:00	1.00				0.00	0.00	3.83		
Sunday, January 6, 2019		1/6/19 9:45	24:00	1.00				0.00	0.00	3.81		
Monday, January 7, 2019		1/7/19 9:45	24:00	1.00	868.90	55,840.0	13.00	5.58	5.58	3.99		
Tuesday, January 8, 2019		1/8/19 9:45	24:00	1.00	868.90	55,844.0	4.00	1.72	1.72	4.05		
Wednesday, January 9, 2019		1/9/19 9:45	24:00	1.00	868.90	55,844.0		0.00	0.00	3.85		
Thursday, January 10, 2019		1/10/19 9:45	24:00	1.00	868.90	55,858.0	14.00	6.01	6.01	3.99		
Friday, January 11, 2019		1/11/19 9:45	24:00	1.00	868.90	55,859.0	1.00	0.43	0.43	3.83		
Saturday, January 12, 2019		1/12/19 9:45	24:00	1.00				0.00	0.00	3.83		
Sunday, January 13, 2019		1/13/19 9:45	24:00	1.00				0.00	0.00	3.58		
Monday, January 14, 2019		1/14/19 9:45	24:00	1.00	869.00	55,881.0	22.00	9.44	9.44	3.89		
Tuesday, January 15, 2019		1/15/19 9:45	24:00	1.00	869.00	55,897.0	16.00	6.87	6.87	4.12		
Wednesday, January 16, 2019		1/16/19 9:45	24:00	1.00	869.00	55,901.0	4.00	1.72	1.72	3.89		
Thursday, January 17, 2019		1/17/19 9:45	24:00	1.00	869.00	55,901.0		0.00	0.00	3.89		
Friday, January 18, 2019		1/18/19 9:45	24:00	1.00	869.00	55,918.0	17.00	7.30	7.30	3.83		
Saturday, January 19, 2019		1/19/19 9:45	24:00	1.00				0.00	0.00	3.61		
Sunday, January 20, 2019		1/20/19 9:45	24:00	1.00				0.00	0.00	3.30		
Monday, January 21, 2019		1/21/19 9:45	24:00	1.00				0.00	0.00	3.30		
Tuesday, January 22, 2019		1/22/19 9:45	24:00	1.00	869.00	55,938.0	20.00	8.58	8.58	3.59		
Wednesday, January 23, 2019		1/23/19 9:45	24:00	1.00	869.00	55,938.0		0.00	0.00	3.42		
Thursday, January 24, 2019		1/24/19 9:45	24:00	1.00	869.00	56,028.0		0.00	0.00	3.42		
Friday, January 25, 2019		1/25/19 9:45	24:00	1.00	869.00	56,030.0	2.00	0.86	0.86	3.13		
Saturday, January 26, 2019		1/26/19 9:45	24:00	1.00				0.00	0.00	2.99		
Sunday, January 27, 2019		1/27/19 9:45	24:00	1.00				0.00	0.00	2.43		
Monday, January 28, 2019		1/28/19 9:45	24:00	1.00	869.00	56,087.0	57.00	24.46	24.46	3.25		
Tuesday, January 29, 2019		1/29/19 9:45	24:00	1.00	869.00	56,087.0		0.00	0.00	3.25		
Wednesday, January 30, 2019		1/30/19 9:45	24:00	1.00	869.10	56,130.0	43.00	18.45	18.45	3.82		
Thursday, January 31, 2019		1/31/19 9:45	24:00	1.00	869.10	56,130.0		0.00	0.00	3.82		
Friday, February 1, 2019		2/1/19 9:45	24:00	1.00	869.10	56,172.0	42.00	18.03	18.03	4.11		
Saturday, February 2, 2019		2/2/19 9:45	24:00	1.00				0.00	0.00	3.92		
Sunday, February 3, 2019		2/3/19 9:45	24:00	1.00				0.00	0.00	3.65		
Monday, February 4, 2019		2/4/19 9:45	24:00	1.00	869.10	56,357.0	185.00	79.40	79.40	6.29		
Tuesday, February 5, 2019		2/5/19 9:45	24:00	1.00	869.20	56,580.0	223.00	95.71	95.71	9.48		
Wednesday, February 6, 2019		2/6/19 9:45	24:00	1.00	869.30	56,697.0	117.00	50.21	50.21	10.97		
Thursday, February 7, 2019		2/7/19 9:45	24:00	1.00	869.30	56,830.0	133.00	57.08	57.08	12.82		
Friday, February 8, 2019		2/8/19 9:45	24:00	1.00	869.50	56,926.0	96.00	41.20	41.20	14.19		
Saturday, February 9, 2019		2/9/19 9:45	24:00	1.00			0.00	0.00	0.00	13.99		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, February 10, 2019		2/10/19 9:45	24:00	1.00			0.00	0.00	0.00	13.98		
Monday, February 11, 2019		2/11/19 9:45	24:00	1.00	869.50	57,025.0	99.00	42.49	42.49	15.39		
Tuesday, February 12, 2019		2/12/19 9:45	24:00	1.00	869.50	57,085.0	60.00	25.75	25.75	16.25		
Wednesday, February 13, 2019		2/13/19 9:45	24:00	1.00	869.50	57,146.0	60.00	25.75	25.75	16.80		
Thursday, February 14, 2019		2/14/19 9:45	24:00	1.00	869.50	57,200.0	54.00	23.18	23.18	17.34		
Friday, February 15, 2019		2/15/19 9:45	24:00	1.00	869.50	57,229.0	29.00	12.45	12.45	17.70		
Saturday, February 16, 2019		2/16/19 9:45	24:00	1.00			0.00	0.00	0.00	17.70		
Sunday, February 17, 2019		2/17/19 9:45	24:00	1.00			0.00	0.00	0.00	17.45		
Monday, February 18, 2019		2/18/19 9:45	24:00	1.00	869.50	57,250.0	21.00	9.01	9.01	17.75		
Tuesday, February 19, 2019		2/19/19 9:45	24:00	1.00	869.50	57,300.0	50.00	21.46	21.46	18.47		
Wednesday, February 20, 2019		2/20/19 9:45	24:00	1.00	869.50	57,336.0	36.00	15.45	15.45	18.98		
Thursday, February 21, 2019		2/21/19 9:45	24:00	1.00	869.50	57,380.0	44.00	18.88	18.88	19.33		
Friday, February 22, 2019		2/22/19 9:45	24:00	1.00	869.50	57,410.0	30.00	12.88	12.88	19.76		
Saturday, February 23, 2019		2/23/19 9:45	24:00	1.00				0.00	0.00	19.76		
Sunday, February 24, 2019		2/24/19 9:45	24:00	1.00				0.00	0.00	19.73		
Monday, February 25, 2019		2/25/19 9:45	24:00	1.00	869.60	57,582.0	172.00	73.82	73.82	22.19		
Tuesday, February 26, 2019		2/26/19 9:45	24:00	1.00	869.60	57,664.0	82.00	35.19	35.19	23.36		
Wednesday, February 27, 2019		2/27/19 9:45	24:00	1.00	869.70	57,720.0	56.00	24.03	24.03	23.35		
Thursday, February 28, 2019		2/28/19 9:45	24:00	1.00	867.70	57,777.0	57.00	24.46	24.46	24.16		
Friday, March 1, 2019		3/1/19 9:45	24:00	1.00	869.70	57,807.0	30.00	12.88	12.88	23.98		
Saturday, March 2, 2019		3/2/19 9:45	24:00	1.00				0.00	0.00	23.98		
Sunday, March 3, 2019		3/3/19 9:45	24:00	1.00				0.00	0.00	23.38		
Monday, March 4, 2019		3/4/19 9:45	24:00	1.00	869.70	57,865.0	58.00	24.89	24.89	24.21		
Tuesday, March 5, 2019		3/5/19 9:45	24:00	1.00	869.80	57,907.0	42.00	18.03	18.03	24.81		
Wednesday, March 6, 2019		3/6/19 9:45	24:00	1.00	869.80	57,941.0	34.00	14.59	14.59	22.65		
Thursday, March 7, 2019		3/7/19 9:45	24:00	1.00	869.80	57,944.0	3.00	1.29	1.29	19.50		
Friday, March 8, 2019		3/8/19 9:45	24:00	1.00	869.80	57,944.0		0.00	0.00	17.83		
Saturday, March 9, 2019		3/9/19 9:45	24:00	1.00				0.00	0.00	15.92		
Sunday, March 10, 2019		3/10/19 9:45	24:00	1.00				0.00	0.00	14.55		
Monday, March 11, 2019		3/11/19 9:45	24:00	1.00	869.80	58,030.0	86.00	36.91	36.91	15.78		
Tuesday, March 12, 2019		3/12/19 9:45	24:00	1.00	869.80	58,094.0	64.00	27.47	27.47	16.70		
Wednesday, March 13, 2019		3/13/19 9:45	24:00	1.00	869.80	58,162.0	68.00	29.18	29.18	16.25		
Thursday, March 14, 2019		3/14/19 9:45	24:00	1.00	869.80	58,225.0	63.00	27.04	27.04	16.29		
Friday, March 15, 2019		3/15/19 9:45	24:00	1.00	869.80	58,293.0	68.00	29.18	29.18	16.41		
Saturday, March 16, 2019		3/16/19 9:45	24:00	1.00				0.00	0.00	15.64		
Sunday, March 17, 2019		3/17/19 9:45	24:00	1.00				0.00	0.00	15.22		
Monday, March 18, 2019		3/18/19 9:45	24:00	1.00	869.90	58,371.0	78.00	33.48	33.48	16.34		
Tuesday, March 19, 2019		3/19/19 9:45	24:00	1.00	870.00	58,420.0	50.00	21.46	21.46	17.05		
Wednesday, March 20, 2019		3/20/19 9:45	24:00	1.00	870.00	58,420.0	0.00	0.00	0.00	16.75		
Thursday, March 21, 2019		3/21/19 9:45	24:00	1.00	870.00	58,420.0	0.00	0.00	0.00	16.04		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, March 22, 2019		3/22/19 9:45	24:00	1.00	870.00	58,444.0	22.00	9.44	9.44	15.84		
Saturday, March 23, 2019		3/23/19 9:45	24:00	1.00				0.00	0.00	15.21		
Sunday, March 24, 2019		3/24/19 9:45	24:00	1.00				0.00	0.00	14.78		
Monday, March 25, 2019		3/25/19 9:45	24:00	1.00	870.00	58,470.0	26.00	11.16	11.16	15.15		
Tuesday, March 26, 2019		3/26/19 9:45	24:00	1.00	870.00	58,502.0	32.00	13.73	13.73	15.61		
Wednesday, March 27, 2019		3/27/19 9:45	24:00	1.00	870.00	58,540.0	38.00	16.31	16.31	13.69		
Thursday, March 28, 2019		3/28/19 9:45	24:00	1.00	870.00	58,596.0	56.00	24.03	24.03	13.32		
Friday, March 29, 2019		3/29/19 9:45	24:00	1.00	870.00	58,632.0	36.00	15.45	15.45	13.03		
Saturday, March 30, 2019		3/30/19 9:45	24:00	1.00				0.00	0.00	12.22		
Sunday, March 31, 2019		3/31/19 9:45	24:00	1.00				0.00	0.00	11.79		
Monday, April 1, 2019		4/1/19 9:45	24:00	1.00	870.00	58,660.0	28.00	12.02	12.02	12.19		
Tuesday, April 2, 2019		4/2/19 9:45	24:00	1.00	870.10	58,675.0	15.00	6.44	6.44	12.40		
Wednesday, April 3, 2019		4/3/19 9:45	24:00	1.00	870.10	58,696.0	21.00	9.01	9.01	11.87		
Thursday, April 4, 2019		4/4/19 9:45	24:00	1.00	870.10	58,700.0	4.00	1.72	1.72	11.33		
Friday, April 5, 2019		4/5/19 9:45	24:00	1.00	870.10	58,700.0		0.00	0.00	10.84		
Saturday, April 6, 2019		4/6/19 9:45	24:00	1.00				0.00	0.00	10.80		
Sunday, April 7, 2019		4/7/19 9:45	24:00	1.00				0.00	0.00	10.80		
Monday, April 8, 2019		4/8/19 9:45	24:00	1.00	870.10	58,768.0	68.00	29.18	29.18	11.77		
Tuesday, April 9, 2019		4/9/19 9:45	24:00	1.00	870.10	58,824.0	56.00	24.03	24.03	12.58		
Wednesday, April 10, 2019		4/10/19 9:45	24:00	1.00	870.10	58,876.0	52.00	22.32	22.32	12.09		
Thursday, April 11, 2019		4/11/19 9:45	24:00	1.00	870.20	58,909.0	33.00	14.16	14.16	11.65		
Friday, April 12, 2019		4/12/19 9:45	24:00	1.00	870.20	58,931.0	22.00	9.44	9.44	10.99		
Saturday, April 13, 2019		4/13/19 9:45	24:00	1.00				0.00	0.00	10.09		
Sunday, April 14, 2019		4/14/19 9:45	24:00	1.00				0.00	0.00	9.11		
Monday, April 15, 2019		4/15/19 9:45	24:00	1.00	870.20	58,955.0	24.00	10.30	10.30	9.46		
Tuesday, April 16, 2019		4/16/19 9:45	24:00	1.00	870.20	59,003.0	48.00	20.60	20.60	10.14		
Wednesday, April 17, 2019		4/17/19 9:45	24:00	1.00	870.20	59,032.0	29.00	12.45	12.45	9.44		
Thursday, April 18, 2019		4/18/19 9:45	24:00	1.00	870.20	59,070.0	38.00	16.31	16.31	9.27		
Friday, April 19, 2019		4/19/19 9:45	24:00	1.00	870.20	59,123.0	53.00	22.75	22.75	10.03		
Saturday, April 20, 2019		4/20/19 9:45	24:00	1.00				0.00	0.00	10.03		
Sunday, April 21, 2019		4/21/19 9:45	24:00	1.00				0.00	0.00	9.71		
Monday, April 22, 2019		4/22/19 9:45	24:00	1.00	870.20	59,250.0	127.00	54.51	54.51	11.53		
Tuesday, April 23, 2019		4/23/19 9:45	24:00	1.00	870.20	59,299.0	49.00	21.03	21.03	12.23		
Wednesday, April 24, 2019		4/24/19 9:45	24:00	1.00	870.20	59,359.0	60.00	25.75	25.75	12.72		
Thursday, April 25, 2019		4/25/19 9:45	24:00	1.00	870.30	59,401.0	42.00	18.03	18.03	12.86		
Friday, April 26, 2019		4/26/19 9:45	24:00	1.00	870.50	59,444.0	43.00	18.45	18.45	12.93		
Saturday, April 27, 2019		4/27/19 9:45	24:00	1.00				0.00	0.00	12.13		
Sunday, April 28, 2019		4/28/19 9:45	24:00	1.00				0.00	0.00	11.62		
Monday, April 29, 2019		4/29/19 9:45	24:00	1.00	870.50	59,505.0	61.00	26.18	26.18	12.49		
Tuesday, April 30, 2019		4/30/19 9:45	24:00	1.00	870.50	59,556.0	51.00	21.89	21.89	13.22		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, May 1, 2019		5/1/19 9:45	24:00	1.00	870.40	59,576.0	20.00	8.58	8.58	13.10		
Thursday, May 2, 2019		5/2/19 9:45	24:00	1.00	870.40	59,599.0	23.00	9.87	9.87	13.22		
Friday, May 3, 2019		5/3/19 9:45	24:00	1.00	870.40	59,635.0	36.00	15.45	15.45	13.43		
Saturday, May 4, 2019		5/4/19 9:45	24:00	1.00				0.00	0.00	13.38		
Sunday, May 5, 2019		5/5/19 9:45	24:00	1.00				0.00	0.00	13.38		
Monday, May 6, 2019		5/6/19 9:45	24:00	1.00	870.40	59,699.0	64.00	27.47	27.47	14.29		
Tuesday, May 7, 2019		5/7/19 9:45	24:00	1.00	870.50	59,755.0	56.00	24.03	24.03	15.09		
Wednesday, May 8, 2019		5/8/19 9:45	24:00	1.00	870.50	59,905.0	50.00	21.46	21.46	14.84		
Thursday, May 9, 2019		5/9/19 9:45	24:00	1.00	870.50	59,870.0	65.00	27.90	27.90	14.96		
Friday, May 10, 2019		5/10/19 9:45	24:00	1.00	870.50	59,938.0	68.00	29.18	29.18	15.19		
Saturday, May 11, 2019		5/11/19 9:45	24:00	1.00				0.00	0.00	14.72		
Sunday, May 12, 2019		5/12/19 9:45	24:00	1.00				0.00	0.00	14.41		
Monday, May 13, 2019		5/13/19 9:45	24:00	1.00	870.50	60,011.0	73.00	31.33	31.33	15.45		
Tuesday, May 14, 2019		5/14/19 9:45	24:00	1.00	870.60	60,080.0	69.00	29.61	29.61	16.44		
Wednesday, May 15, 2019		5/15/19 9:45	24:00	1.00	870.60	60,109.0	29.00	12.45	12.45	16.51		
Thursday, May 16, 2019		5/16/19 9:45	24:00	1.00	870.60	60,132.0	23.00	9.87	9.87	16.15		
Friday, May 17, 2019		5/17/19 9:45	24:00	1.00	870.60	60,154.0	22.00	9.44	9.44	16.05		
Saturday, May 18, 2019		5/18/19 9:45	24:00	1.00				0.00	0.00	15.51		
Sunday, May 19, 2019		5/19/19 9:45	24:00	1.00				0.00	0.00	14.75		
Monday, May 20, 2019		5/20/19 9:45	24:00	1.00	870.60	60,175.0	21.00	9.01	9.01	15.05		
Tuesday, May 21, 2019		5/21/19 9:45	24:00	1.00	870.60	60,179.0	4.00	1.72	1.72	15.11		
Wednesday, May 22, 2019		5/22/19 9:45	24:00	1.00	870.60	60,196.0	17.00	7.30	7.30	13.53		
Thursday, May 23, 2019		5/23/19 9:45	24:00	1.00	870.60	60,202.0	6.00	2.58	2.58	12.92		
Friday, May 24, 2019		5/24/19 9:45	24:00	1.00	870.60	60,212.0	10.00	4.29	4.29	12.20		
Saturday, May 25, 2019		5/25/19 9:45	24:00	1.00				0.00	0.00	11.60		
Sunday, May 26, 2019		5/26/19 9:45	24:00	1.00				0.00	0.00	10.99		
Monday, May 27, 2019		5/27/19 9:45	24:00	1.00				0.00	0.00	10.99		
Tuesday, May 28, 2019		5/28/19 9:45	24:00	1.00	870.60	60,223.0	11.00	4.72	4.72	11.14		
Wednesday, May 29, 2019		5/29/19 9:45	24:00	1.00	870.70	60,244.0	21.00	9.01	9.01	10.57		
Thursday, May 30, 2019		5/30/19 9:45	24:00	1.00	870.70	60,261.0	17.00	7.30	7.30	10.09		
Friday, May 31, 2019		5/31/19 9:45	24:00	1.00	870.70	60,269.0	8.00	3.43	3.43	9.91		
Saturday, June 1, 2019		6/1/19 9:45	24:00	1.00				0.00	0.00	9.59		
Sunday, June 2, 2019		6/2/19 9:45	24:00	1.00				0.00	0.00	9.07		
Monday, June 3, 2019		6/3/19 9:45	24:00	1.00	870.70	60,277.0	8.00	3.43	3.43	9.18		
Tuesday, June 4, 2019		6/4/19 9:45	24:00	1.00	870.70	60,290.0	13.00	5.58	5.58	9.37		
Wednesday, June 5, 2019		6/5/19 9:45	24:00	1.00	870.70	60,295.0	5.00	2.15	2.15	8.53		
Thursday, June 6, 2019		6/6/19 9:45	24:00	1.00	870.70	60,315.0	20.00	8.58	8.58	8.01		
Friday, June 7, 2019		6/7/19 9:45	24:00	1.00	870.70	60,319.0	4.00	1.72	1.72	7.35		
Saturday, June 8, 2019		6/8/19 9:45	24:00	1.00				0.00	0.00	6.42		
Sunday, June 9, 2019		6/9/19 9:45	24:00	1.00				0.00	0.00	5.45		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, June 10, 2019		6/10/19 9:45	24:00	1.00	870.70	60,337.0	18.00	7.73	7.73	5.71		
Tuesday, June 11, 2019		6/11/19 9:45	24:00	1.00	870.70	60,343.0	6.00	2.58	2.58	5.79		
Wednesday, June 12, 2019		6/12/19 9:45	24:00	1.00	870.70	60,363.0	20.00	8.58	8.58	5.04		
Thursday, June 13, 2019		6/13/19 9:45	24:00	1.00	870.70	60,382.0	19.00	8.15	8.15	4.32		
Friday, June 14, 2019		6/14/19 9:45	24:00	1.00	870.70	60,404.0	22.00	9.44	9.44	4.22		
Saturday, June 15, 2019		6/15/19 9:45	24:00	1.00				0.00	0.00	3.89		
Sunday, June 16, 2019		6/16/19 9:45	24:00	1.00				0.00	0.00	3.58		
Monday, June 17, 2019		6/17/19 9:45	24:00	1.00	870.70	60,456.0	52.00	22.32	22.32	4.32		
Tuesday, June 18, 2019		6/18/19 9:45	24:00	1.00	870.70	60,474.0	18.00	7.73	7.73	4.58		
Wednesday, June 19, 2019		6/19/19 9:45	24:00	1.00	870.70	60,491.0	17.00	7.30	7.30	4.52		
Thursday, June 20, 2019		6/20/19 9:45	24:00	1.00	870.70	60,497.0	6.00	2.58	2.58	4.55		
Friday, June 21, 2019		6/21/19 9:45	24:00	1.00	870.70	60,549.0	52.00	22.32	22.32	5.05		
Saturday, June 22, 2019		6/22/19 9:45	24:00	1.00				0.00	0.00	4.96		
Sunday, June 23, 2019		6/23/19 9:45	24:00	1.00				0.00	0.00	4.82		
Monday, June 24, 2019		6/24/19 9:45	24:00	1.00	870.70	60,573.0	24.00	10.30	10.30	5.16		
Tuesday, June 25, 2019		6/25/19 9:45	24:00	1.00	870.70	60,591.0	18.00	7.73	7.73	5.42		
Wednesday, June 26, 2019		6/26/19 9:45	24:00	1.00	870.70	60,611.0	20.00	8.58	8.58	5.71		
Thursday, June 27, 2019		6/27/19 9:45	24:00	1.00	870.70	60,629.0	18.00	7.73	7.73	5.81		
Friday, June 28, 2019		6/28/19 9:45	24:00	1.00	870.70	60,644.0	15.00	6.44	6.44	5.72		
Saturday, June 29, 2019		6/29/19 9:45	24:00	1.00				0.00	0.00	5.48		
Sunday, June 30, 2019		6/30/19 9:45	24:00	1.00				0.00	0.00	5.36		
Monday, July 1, 2019		7/1/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	5.36		
Tuesday, July 2, 2019		7/2/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	5.36		
Wednesday, July 3, 2019		7/3/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	5.25		
Thursday, July 4, 2019		7/4/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	5.06		
Friday, July 5, 2019		7/5/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	4.99		
Saturday, July 6, 2019		7/6/19 9:45	24:00	1.00				0.00	0.00	4.71		
Sunday, July 7, 2019		7/7/19 9:45	24:00	1.00				0.00	0.00	4.65		
Monday, July 8, 2019		7/8/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	4.65		
Tuesday, July 9, 2019		7/9/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	4.65		
Wednesday, July 10, 2019		7/10/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	4.39		
Thursday, July 11, 2019		7/11/19 9:45	24:00	1.00	870.80	60,644.0	0.00	0.00	0.00	4.31		
Friday, July 12, 2019		7/12/19 9:45	24:00	1.00	870.80	60,666.0	22.00	9.44	9.44	4.33		
Saturday, July 13, 2019		7/13/19 9:45	24:00	1.00				0.00	0.00	4.06		
Sunday, July 14, 2019		7/14/19 9:45	24:00	1.00				0.00	0.00	3.75		
Monday, July 15, 2019		7/15/19 9:45	24:00	1.00	870.80	60,666.0	0.00	0.00	0.00	3.75		
Tuesday, July 16, 2019		7/16/19 9:45	24:00	1.00	870.80	60,666.0	0.00	0.00	0.00	3.75		
Wednesday, July 17, 2019		7/17/19 9:45	24:00	1.00	870.80	60,671.0	5.00	2.15	2.15	3.08		
Thursday, July 18, 2019		7/18/19 9:45	24:00	1.00	870.80	60,696.0	25.00	10.73	10.73	3.18		
Friday, July 19, 2019		7/19/19 9:45	24:00	1.00	870.80	60,717.0	21.00	9.01	9.01	3.23		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
		7/20/19 9:45	24:00	1.00				0.00	0.00	3.15		
		7/21/19 9:45	24:00	1.00				0.00	0.00	2.40		
		7/22/19 9:45	24:00	1.00	870.90	60,735.0	18.00	7.73	7.73	2.66		
		7/23/19 9:45	24:00	1.00	870.90	60,763.0	28.00	12.02	12.02	3.06		
		7/24/19 9:45	24:00	1.00	870.90	60,764.0	1.00	0.43	0.43	2.73		
		7/25/19 9:45	24:00	1.00	870.90	60,777.0	13.00	5.58	5.58	2.66		
		7/26/19 9:45	24:00	1.00	870.90	60,777.0	0.00	0.00	0.00	2.37		
		7/27/19 9:45	24:00	1.00				0.00	0.00	2.12		
		7/28/19 9:45	24:00	1.00				0.00	0.00	1.90		
		7/29/19 9:45	24:00	1.00	870.90	60,796.0	19.00	8.15	8.15	2.17		
		7/30/19 9:45	24:00	1.00	870.90	60,796.0	0.00	0.00	0.00	2.17		
		7/31/19 9:45	24:00	1.00	870.90	60,797.0	1.00	0.43	0.43	2.19		
		8/1/19 9:45	24:00	1.00	870.90	60,797.0	0.00	0.00	0.00	2.19		
		8/2/19 9:45	24:00	1.00	870.90	60,797.0	0.00	0.00	0.00	2.19		
		8/3/19 9:45	24:00	1.00				0.00	0.00	2.19		
		8/4/19 9:45	24:00	1.00				0.00	0.00	2.19		
		8/5/19 9:45	24:00	1.00	870.90	60,802.0	5.00	2.15	2.15	2.26		
		8/6/19 9:45	24:00	1.00	870.90	60,802.0	0.00	0.00	0.00	2.26		
		8/7/19 9:45	24:00	1.00	870.90	60,806.0	4.00	1.72	1.72	2.32		
		8/8/19 9:45	24:00	1.00	870.90	60,806.0	0.00	0.00	0.00	2.32		
		8/9/19 9:45	24:00	1.00	870.90	60,812.0	6.00	2.58	2.58	2.40		
		8/10/19 9:45	24:00	1.00				0.00	0.00	2.40		
		8/11/19 9:45	24:00	1.00				0.00	0.00	2.09		
		8/12/19 9:45	24:00	1.00	870.90	60,816.0	4.00	1.72	1.72	2.15		
		8/13/19 9:45	24:00	1.00	870.90	60,816.0	0.00	0.00	0.00	2.15		
		8/14/19 9:45	24:00	1.00	870.90	60,819.0	3.00	1.29	1.29	2.19		
		8/15/19 9:45	24:00	1.00	870.90	60,819.0	0.00	0.00	0.00	2.19		
		8/16/19 9:45	24:00	1.00	870.90	60,808.0	-11.00	-4.72	-4.72	1.96		
		8/17/19 9:45	24:00	1.00				0.00	0.00	1.60		
		8/18/19 9:45	24:00	1.00				0.00	0.00	1.30		
		8/19/19 9:45	24:00	1.00	870.90	60,840.0	32.00	13.73	13.73	1.76		
		8/20/19 9:45	24:00	1.00	870.90	60,840.0	0.00	0.00	0.00	1.76		
		8/21/19 9:45	24:00	1.00	870.90	60,857.0	17.00	7.30	7.30	1.75		
		8/22/19 9:45	24:00	1.00	870.90	60,857.0	0.00	0.00	0.00	1.34		
		8/23/19 9:45	24:00	1.00	870.90	60,857.0	0.00	0.00	0.00	1.33		
		8/24/19 9:45	24:00	1.00				0.00	0.00	1.14		
		8/25/19 9:45	24:00	1.00				0.00	0.00	1.14		
		8/26/19 9:45	24:00	1.00	871.00	60,877.0	20.00	8.58	8.58	1.43		
		8/27/19 9:45	24:00	1.00	871.00	60,877.0	0.00	0.00	0.00	1.43		
		8/28/19 9:45	24:00	1.00	871.00	60,877.0	0.00	0.00	0.00	1.16		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, August 29, 2019		8/29/19 9:45	24:00	1.00	871.00	60,878.0	1.00	0.43	0.43	1.17		
Friday, August 30, 2019		8/30/19 9:45	24:00	1.00	871.00	60,878.0	0.00	0.00	0.00	1.16		
Saturday, August 31, 2019		8/31/19 9:45	24:00	1.00				0.00	0.00	1.16		
Sunday, September 1, 2019		9/1/19 9:45	24:00	1.00				0.00	0.00	1.16		
Monday, September 2, 2019		9/2/19 9:45	24:00	1.00				0.00	0.00	1.16		
Tuesday, September 3, 2019		9/3/19 9:45	24:00	1.00	871.00	60,899.0	21.00	9.01	9.01	1.46		
Wednesday, September 4, 2019		9/4/19 9:45	24:00	1.00	871.00	60,922.0	23.00	9.87	9.87	1.72		
Thursday, September 5, 2019		9/5/19 9:45	24:00	1.00	871.00	60,922.0	0.00	0.00	0.00	1.72		
Friday, September 6, 2019		9/6/19 9:45	24:00	1.00	871.00	60,943.0	21.00	9.01	9.01	1.96		
Saturday, September 7, 2019		9/7/19 9:45	24:00	1.00				0.00	0.00	1.96		
Sunday, September 8, 2019		9/8/19 9:45	24:00	1.00				0.00	0.00	1.87		
Monday, September 9, 2019		9/9/19 9:45	24:00	1.00	871.00	60,948.0	5.00	2.15	2.15	1.95		
Tuesday, September 10, 2019		9/10/19 9:45	24:00	1.00	871.00	60,948.0	0.00	0.00	0.00	1.95		
Wednesday, September 11, 2019		9/11/19 9:45	24:00	1.00	871.00	60,948.0	0.00	0.00	0.00	1.89		
Thursday, September 12, 2019		9/12/19 9:45	24:00	1.00	871.00	60,949.0	1.00	0.43	0.43	1.90		
Friday, September 13, 2019		9/13/19 9:45	24:00	1.00	871.00	60,951.0	2.00	0.86	0.86	1.89		
Saturday, September 14, 2019		9/14/19 9:45	24:00	1.00				0.00	0.00	1.89		
Sunday, September 15, 2019		9/15/19 9:45	24:00	1.00				0.00	0.00	2.05		
Monday, September 16, 2019		9/16/19 9:45	24:00	1.00	871.00	60,954.0	3.00	1.29	1.29	2.09		
Tuesday, September 17, 2019		9/17/19 9:45	24:00	1.00	871.00	60,954.0	0.00	0.00	0.00	2.09		
Wednesday, September 18, 2019		9/18/19 9:45	24:00	1.00	871.00	60,954.0	0.00	0.00	0.00	1.63		
Thursday, September 19, 2019		9/19/19 9:45	24:00	1.00	871.00	60,954.0	0.00	0.00	0.00	1.63		
Friday, September 20, 2019		9/20/19 9:45	24:00	1.00	871.00	60,954.0	0.00	0.00	0.00	1.39		
Saturday, September 21, 2019		9/21/19 9:45	24:00	1.00				0.00	0.00	1.39		
Sunday, September 22, 2019		9/22/19 9:45	24:00	1.00				0.00	0.00	1.39		
Monday, September 23, 2019		9/23/19 9:45	24:00	1.00	871.00	60,961.0	7.00	3.00	3.00	1.49		
Tuesday, September 24, 2019		9/24/19 9:45	24:00	1.00	871.00	60,961.0	0.00	0.00	0.00	1.49		
Wednesday, September 25, 2019		9/25/19 9:45	24:00	1.00	871.00	60,967.0	6.00	2.58	2.58	1.29		
Thursday, September 26, 2019		9/26/19 9:45	24:00	1.00	871.00	60,968.0	1.00	0.43	0.43	1.30		
Friday, September 27, 2019		9/27/19 9:45	24:00	1.00	871.00	60,968.0	0.00	0.00	0.00	1.30		
Saturday, September 28, 2019		9/28/19 9:45	24:00	1.00				0.00	0.00	1.29		
Sunday, September 29, 2019		9/29/19 9:45	24:00	1.00				0.00	0.00	1.29		
Monday, September 30, 2019		9/30/19 9:45	24:00	1.00	871.00	60,969.0	1.00	0.43	0.43	1.30		
Tuesday, October 1, 2019		10/1/19 9:45	24:00	1.00	871.00	60,969.0	0.00	0.00	0.00	1.30		
Wednesday, October 2, 2019		10/2/19 9:45	24:00	1.00	871.00	60,972.0	3.00	1.29	1.29	1.34		
Thursday, October 3, 2019		10/3/19 9:45	24:00	1.00	871.00	60,972.0	0.00	0.00	0.00	1.04		Pump Ran For 24 Hrs
Friday, October 4, 2019		10/4/19 9:45	24:00	1.00	981.00	69,185.0	8213.00	3524.89	3524.89	118.21		Totalizer Reading Removed as Outlier
Saturday, October 5, 2019		10/5/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 6, 2019		10/6/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 7, 2019		10/7/19 9:45	24:00	1.00	981.70	69,207.0	22.00	9.44	9.44	0.73		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Tuesday, October 8, 2019	10/8/19 9:45	24:00	1.00	981.70	69,227.0	20.00	8.58	8.58	1.02		
	Wednesday, October 9, 2019	10/9/19 9:45	24:00	1.00	981.70	69,248.0	21.00	9.01	9.01	1.24		
	Thursday, October 10, 2019	10/10/19 9:45	24:00	1.00	981.70	69,269.0	21.00	9.01	9.01	1.55		
	Friday, October 11, 2019	10/11/19 9:45	24:00	1.00	981.70	69,291.0	22.00	9.44	9.44	1.86		
	Saturday, October 12, 2019	10/12/19 9:45	24:00	1.00				0.00	0.00	1.85		
	Sunday, October 13, 2019	10/13/19 9:45	24:00	1.00				0.00	0.00	1.82		
	Monday, October 14, 2019	10/14/19 9:45	24:00	1.00				0.00	0.00	1.82		
	Tuesday, October 15, 2019	10/15/19 9:45	24:00	1.00	981.70	69,308.0	17.00	7.30	7.30	2.06		
	Wednesday, October 16, 2019	10/16/19 9:45	24:00	1.00	981.70	69,308.0	0.00	0.00	0.00	2.02		
	Thursday, October 17, 2019	10/17/19 9:45	24:00	1.00	981.70	69,332.0	24.00	10.30	10.30	2.36		
	Friday, October 18, 2019	10/18/19 9:45	24:00	1.00	981.70	69,350.0	18.00	7.73	7.73	2.62		
	Saturday, October 19, 2019	10/19/19 9:45	24:00	1.00				0.00	0.00	2.62		
	Sunday, October 20, 2019	10/20/19 9:45	24:00	1.00				0.00	0.00	2.62		
	Monday, October 21, 2019	10/21/19 9:45	24:00	1.00	981.70	69,371.0	21.00	9.01	9.01	2.92		
	Tuesday, October 22, 2019	10/22/19 9:45	24:00	1.00	981.70	69,395.0	24.00	10.30	10.30	3.26		
	Wednesday, October 23, 2019	10/23/19 9:45	24:00	1.00	981.70	69,418.0	23.00	9.87	9.87	3.49		
	Thursday, October 24, 2019	10/24/19 9:45	24:00	1.00	918.70	69,439.0	21.00	9.01	9.01	3.79		
	Friday, October 25, 2019	10/25/19 9:45	24:00	1.00	918.70	69,455.0	16.00	6.87	6.87	3.93		
	Saturday, October 26, 2019	10/26/19 9:45	24:00	1.00				0.00	0.00	3.92		
	Sunday, October 27, 2019	10/27/19 9:45	24:00	1.00				0.00	0.00	3.92		
	Monday, October 28, 2019	10/28/19 9:45	24:00	1.00	918.70	69,491.0	23.00	9.87	9.87	4.25		
	Tuesday, October 29, 2019	10/29/19 9:45	24:00	1.00	918.80	69,513.0	22.00	9.44	9.44	4.56		
	Wednesday, October 30, 2019	10/30/19 9:45	24:00	1.00	918.80	69,536.0	23.00	9.87	9.87	4.88		
	Thursday, October 31, 2019	10/31/19 9:45	24:00	1.00	918.80	69,556.0	20.00	8.58	8.58	5.16		
	Friday, November 1, 2019	11/1/19 9:45	24:00	1.00	918.80	69,583.0	27.00	11.59	11.59	5.51		
	Saturday, November 2, 2019	11/2/19 9:45	24:00	1.00				0.00	0.00	5.51		
	Sunday, November 3, 2019	11/3/19 9:45	24:00	1.00				0.00	0.00	5.51		
	Monday, November 4, 2019	11/4/19 9:45	24:00	1.00	918.80	69,635.0	52.00	22.32	22.32	6.25		
	Tuesday, November 5, 2019	11/5/19 9:45	24:00	1.00	918.80	69,658.0	23.00	9.87	9.87	6.58		
	Wednesday, November 6, 2019	11/6/19 9:45	24:00	1.00	918.80	69,674.0	16.00	6.87	6.87	6.49		
	Thursday, November 7, 2019	11/7/19 9:45	24:00	1.00	918.80	69,674.0	0.00	0.00	0.00	6.21		
	Friday, November 8, 2019	11/8/19 9:45	24:00	1.00	918.00	69,693.0	19.00	8.15	8.15	6.18		
	Saturday, November 9, 2019	11/9/19 9:45	24:00	1.00				0.00	0.00	5.88		
	Sunday, November 10, 2019	11/10/19 9:45	24:00	1.00				0.00	0.00	5.57		
	Monday, November 11, 2019	11/11/19 9:45	24:00	1.00				0.00	0.00	5.57		
	Tuesday, November 12, 2019	11/12/19 9:45	24:00	1.00	918.90	69,720.0	27.00	11.59	11.59	5.95		
	Wednesday, November 13, 2019	11/13/19 9:45	24:00	1.00	918.90	69,732.0	12.00	5.15	5.15	6.12		
	Thursday, November 14, 2019	11/14/19 9:45	24:00	1.00	918.90	69,745.0	13.00	5.58	5.58	6.07		
	Friday, November 15, 2019	11/15/19 9:45	24:00	1.00	918.90	69,750.0	5.00	2.15	2.15	6.14		
	Saturday, November 16, 2019	11/16/19 9:45	24:00	1.00				0.00	0.00	5.79		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, November 17, 2019		11/17/19 9:45	24:00	1.00				0.00	0.00	5.54		
Monday, November 18, 2019		11/18/19 9:45	24:00	1.00	918.90	69,790.0	40.00	17.17	17.17	6.11		
Tuesday, November 19, 2019		11/19/19 9:45	24:00	1.00	918.90	69,818.0	28.00	12.02	12.02	6.51		
Wednesday, November 20, 2019		11/20/19 9:45	24:00	1.00	918.90	69,825.0	7.00	3.00	3.00	6.31		
Thursday, November 21, 2019		11/21/19 9:45	24:00	1.00	918.90	69,858.0	33.00	14.16	14.16	6.44		
Friday, November 22, 2019		11/22/19 9:45	24:00	1.00	918.90	69,876.0	18.00	7.73	7.73	6.37		
Saturday, November 23, 2019		11/23/19 9:45	24:00	1.00				0.00	0.00	6.07		
Sunday, November 24, 2019		11/24/19 9:45	24:00	1.00				0.00	0.00	5.84		
Monday, November 25, 2019		11/25/19 9:45	24:00	1.00	918.90	69,900.0	24.00	10.30	10.30	6.18		
Tuesday, November 26, 2019		11/26/19 9:45	24:00	1.00	918.90	69,909.0	9.00	3.86	3.86	6.31		
Wednesday, November 27, 2019		11/27/19 9:45	24:00	1.00	918.90	69,911.0	2.00	0.86	0.86	6.01		
Thursday, November 28, 2019		11/28/19 9:45	24:00	1.00	918.90	69,911.0	0.00	0.00	0.00	5.69		
Friday, November 29, 2019		11/29/19 9:45	24:00	1.00	918.90	69,932.0	21.00	9.01	9.01	5.67		
Saturday, November 30, 2019		11/30/19 9:45	24:00	1.00				0.00	0.00	5.38		
Sunday, December 1, 2019		12/1/19 9:45	24:00	1.00				0.00	0.00	4.99		
Monday, December 2, 2019		12/2/19 9:45	24:00	1.00	918.90	69,945.0	13.00	5.58	5.58	5.18		
Tuesday, December 3, 2019		12/3/19 9:45	24:00	1.00	918.90	69,958.0	13.00	5.58	5.58	5.36		
Wednesday, December 4, 2019		12/4/19 9:45	24:00	1.00	918.90	69,974.0	16.00	6.87	6.87	4.85		pump is down
Thursday, December 5, 2019		12/5/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	4.52		
Friday, December 6, 2019		12/6/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	4.29		
Saturday, December 7, 2019		12/7/19 9:45	24:00	1.00				0.00	0.00	4.29		
Sunday, December 8, 2019		12/8/19 9:45	24:00	1.00				0.00	0.00	4.02		
Monday, December 9, 2019		12/9/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	4.02		
Tuesday, December 10, 2019		12/10/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	4.02		
Wednesday, December 11, 2019		12/11/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	4.02		
Thursday, December 12, 2019		12/12/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	3.63		
Friday, December 13, 2019		12/13/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	3.46		
Saturday, December 14, 2019		12/14/19 9:45	24:00	1.00				0.00	0.00	3.28		
Sunday, December 15, 2019		12/15/19 9:45	24:00	1.00				0.00	0.00	3.20		
Monday, December 16, 2019		12/16/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	3.20		
Tuesday, December 17, 2019		12/17/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	3.20		
Wednesday, December 18, 2019		12/18/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	2.63		
Thursday, December 19, 2019		12/19/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	2.23		
Friday, December 20, 2019		12/20/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	2.13		
Saturday, December 21, 2019		12/21/19 9:45	24:00	1.00				0.00	0.00	1.66		
Sunday, December 22, 2019		12/22/19 9:45	24:00	1.00				0.00	0.00	1.40		
Monday, December 23, 2019		12/23/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	1.40		
Tuesday, December 24, 2019		12/24/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	1.40		
Wednesday, December 25, 2019		12/25/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	1.06		
Thursday, December 26, 2019		12/26/19 9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	0.93		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE NINE (LTMH-9, Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, December 27, 2019	12/27/19	9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	0.90		
Saturday, December 28, 2019	12/28/19	9:45	24:00	1.00				0.00	0.00	0.90		
Sunday, December 29, 2019	12/29/19	9:45	24:00	1.00				0.00	0.00	0.60		
Monday, December 30, 2019	12/30/19	9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	0.60		
Tuesday, December 31, 2019	12/31/19	9:45	24:00	1.00	918.90	69,974.0	0.00	0.00	0.00	0.60		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019		1/1/19 9:45	24:00	1.00	477.90	29,715.0	0.00	0.00	0.00	33.86		
Wednesday, January 2, 2019		1/2/19 9:45	24:00	1.00	477.90	29,965.0	250.00	106.84	106.84	33.32		
Thursday, January 3, 2019		1/3/19 9:45	24:00	1.00	478.10	30,148.0	183.00	78.21	78.21	33.42		
Friday, January 4, 2019		1/4/19 9:45	24:00	1.00	478.20	30,267.0	119.00	50.85	50.85	34.67		
Saturday, January 5, 2019		1/5/19 9:45	24:00	1.00				0.00	0.00	33.15		
Sunday, January 6, 2019		1/6/19 9:45	24:00	1.00				0.00	0.00	31.84		
Monday, January 7, 2019		1/7/19 9:45	24:00	1.00	478.20	30,469.0	202.0	86.32	86.32	34.72		
Tuesday, January 8, 2019		1/8/19 9:45	24:00	1.00	478.30	30,640.0	171.0	73.08	73.08	37.15		
Wednesday, January 9, 2019		1/9/19 9:45	24:00	1.00	478.30	30,775.0	135.0	57.69	57.69	36.89		
Thursday, January 10, 2019		1/10/19 9:45	24:00	1.00	478.40	30,908.0	133.0	56.84	56.84	38.33		
Friday, January 11, 2019		1/11/19 9:45	24:00	1.00	478.40	31,011.0	103.0	44.02	44.02	39.52		
Saturday, January 12, 2019		1/12/19 9:45	24:00	1.00				0.00	0.00	39.44		
Sunday, January 13, 2019		1/13/19 9:45	24:00	1.00				0.00	0.00	39.42		
Monday, January 14, 2019		1/14/19 9:45	24:00	1.00	478.40	31,110.0	99.0	42.31	42.31	40.83		
Tuesday, January 15, 2019		1/15/19 9:45	24:00	1.00	478.50	31,128.0	18.0	7.69	7.69	41.08		
Wednesday, January 16, 2019		1/16/19 9:45	24:00	1.00	478.50	31,165.0	37.0	15.81	15.81	38.89		
Thursday, January 17, 2019		1/17/19 9:45	24:00	1.00	478.50	31,204.0	39.0	16.67	16.67	38.23		
Friday, January 18, 2019		1/18/19 9:45	24:00	1.00	478.50	31,235.0	31.0	13.25	13.25	37.54		
Saturday, January 19, 2019		1/19/19 9:45	24:00	1.00				0.00	0.00	36.51		
Sunday, January 20, 2019		1/20/19 9:45	24:00	1.00				0.00	0.00	35.19		
Monday, January 21, 2019		1/21/19 9:45	24:00	1.00				0.00	0.00	35.19		
Tuesday, January 22, 2019		1/22/19 9:45	24:00	1.00	478.50	31,236.0	1.0	0.43	0.43	35.20		
Wednesday, January 23, 2019		1/23/19 9:45	24:00	1.00	478.50	31,270.0	34.0	14.53	14.53	32.48		
Thursday, January 24, 2019		1/24/19 9:45	24:00	1.00	478.50	31,296.0	26.0	11.11	11.11	32.85		
Friday, January 25, 2019		1/25/19 9:45	24:00	1.00	478.60	31,334.0	38.0	16.24	16.24	29.69		
Saturday, January 26, 2019		1/26/19 9:45	24:00	1.00				0.00	0.00	28.33		
Sunday, January 27, 2019		1/27/19 9:45	24:00	1.00				0.00	0.00	26.55		
Monday, January 28, 2019		1/28/19 9:45	24:00	1.00	478.60	31,334.0	0.00	0.00	0.00	26.55		
Tuesday, January 29, 2019		1/29/19 9:45	24:00	1.00	478.60	31,334.0	0.00	0.00	0.00	26.55		
Wednesday, January 30, 2019		1/30/19 9:45	24:00	1.00	478.60	31,334.0	0.00	0.00	0.00	23.06		
Thursday, January 31, 2019		1/31/19 9:45	24:00	1.00	478.60	31,334.0	0.00	0.00	0.00	23.06		
Friday, February 1, 2019		2/1/19 9:45	24:00	1.00	478.60	31,334.0	0.00	0.00	0.00	19.50		
Saturday, February 2, 2019		2/2/19 9:45	24:00	1.00				0.00	0.00	16.89		
Sunday, February 3, 2019		2/3/19 9:45	24:00	1.00				0.00	0.00	15.20		
Monday, February 4, 2019		2/4/19 9:45	24:00	1.00	478.60	31,384.0	50.00	21.37	21.37	15.91		
Tuesday, February 5, 2019		2/5/19 9:45	24:00	1.00	478.70	31,408.0	24.00	10.26	10.26	16.25		
Wednesday, February 6, 2019		2/6/19 9:45	24:00	1.00	478.70	31,480.0	72.00	30.77	30.77	14.40		
Thursday, February 7, 2019		2/7/19 9:45	24:00	1.00	478.70	31,505.0	25.00	10.68	10.68	12.32		
Friday, February 8, 2019		2/8/19 9:45	24:00	1.00	478.70	31,594.0	89.00	38.03	38.03	11.67		
Saturday, February 9, 2019		2/9/19 9:45	24:00	1.00				0.00	0.00	9.77		
Sunday, February 10, 2019		2/10/19 9:45	24:00	1.00				0.00	0.00	8.30		
Monday, February 11, 2019		2/11/19 9:45	24:00	1.00	478.70	31,637.0	43.00	18.38	18.38	8.92		
Tuesday, February 12, 2019		2/12/19 9:45	24:00	1.00	478.80	31,670.0	33.00	14.10	14.10	9.39		
Wednesday, February 13, 2019		2/13/19 9:45	24:00	1.00	478.80	31,727.0	57.00	24.36	24.36	8.79		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, February 14, 2019		2/14/19 9:45	24:00	1.00	478.80	31,752.0	25.00	10.68	10.68	8.89		
Friday, February 15, 2019		2/15/19 9:45	24:00	1.00	478.80	31,793.0	41.00	17.52	17.52	8.95		
Saturday, February 16, 2019		2/16/19 9:45	24:00	1.00				0.00	0.00	8.39		
Sunday, February 17, 2019		2/17/19 9:45	24:00	1.00				0.00	0.00	7.95		
Monday, February 18, 2019		2/18/19 9:45	24:00	1.00				0.00	0.00	7.95		
Tuesday, February 19, 2019		2/19/19 9:45	24:00	1.00	478.80	31,890.0	97.00	41.45	41.45	9.33		
Wednesday, February 20, 2019		2/20/19 9:45	24:00	1.00	478.90	31,910.0	20.00	8.55	8.55	9.62		
Thursday, February 21, 2019		2/21/19 9:45	24:00	1.00	478.90	31,960.0	50.00	21.37	21.37	10.31		
Friday, February 22, 2019		2/22/19 9:45	24:00	1.00	478.90	31,984.0	24.00	10.26	10.26	10.17		
Saturday, February 23, 2019		2/23/19 9:45	24:00	1.00				0.00	0.00	9.80		
Sunday, February 24, 2019		2/24/19 9:45	24:00	1.00				0.00	0.00	9.26		
Monday, February 25, 2019		2/25/19 9:45	24:00	1.00	478.90	32,223.0	239.00	102.14	102.14	12.66		
Tuesday, February 26, 2019		2/26/19 9:45	24:00	1.00	479.00	32,255.0	32.00	13.68	13.68	13.12		
Wednesday, February 27, 2019		2/27/19 9:45	24:00	1.00	479.00	32,283.0	28.00	11.97	11.97	13.52		
Thursday, February 28, 2019		2/28/19 9:45	24:00	1.00	479.00	32,365.0	82.00	35.04	35.04	14.69		
Friday, March 1, 2019		3/1/19 9:45	24:00	1.00	479.00	32,381.0	16.00	6.84	6.84	14.91		
Saturday, March 2, 2019		3/2/19 9:45	24:00	1.00				0.00	0.00	14.91		
Sunday, March 3, 2019		3/3/19 9:45	24:00	1.00				0.00	0.00	14.91		
Monday, March 4, 2019		3/4/19 9:45	24:00	1.00	479.00	32,515.0	134.00	57.26	57.26	16.82		
Tuesday, March 5, 2019		3/5/19 9:45	24:00	1.00	479.00	32,528.0	13.00	5.56	5.56	17.01		
Wednesday, March 6, 2019		3/6/19 9:45	24:00	1.00	479.00	32,542.0	14.00	5.98	5.98	16.50		
Thursday, March 7, 2019		3/7/19 9:45	24:00	1.00	479.10	32,545.0	3.00	1.28	1.28	16.20		
Friday, March 8, 2019		3/8/19 9:45	24:00	1.00	479.10	32,546.0	0.00	0.00	0.00	15.17		
Saturday, March 9, 2019		3/9/19 9:45	24:00	1.00				0.00	0.00	14.81		
Sunday, March 10, 2019		3/10/19 9:45	24:00	1.00				0.00	0.00	13.55		
Monday, March 11, 2019		3/11/19 9:45	24:00	1.00	479.10	32,592.0	46.00	19.66	19.66	14.20		
Tuesday, March 12, 2019		3/12/19 9:45	24:00	1.00	479.10	32,610.0	18.00	7.69	7.69	14.46		
Wednesday, March 13, 2019		3/13/19 9:45	24:00	1.00	479.10	32,670.0	60.00	25.64	25.64	14.70		
Thursday, March 14, 2019		3/14/19 9:45	24:00	1.00	479.10	32,693.0	23.00	9.83	9.83	14.56		
Friday, March 15, 2019		3/15/19 9:45	24:00	1.00	479.20	32,776.0	83.00	35.47	35.47	14.93		
Saturday, March 16, 2019		3/16/19 9:45	24:00	1.00				0.00	0.00	14.57		
Sunday, March 17, 2019		3/17/19 9:45	24:00	1.00				0.00	0.00	13.99		
Monday, March 18, 2019		3/18/19 9:45	24:00	1.00	479.20	32,885.0	109.00	46.58	46.58	15.54		
Tuesday, March 19, 2019		3/19/19 9:45	24:00	1.00	479.20	32,906.0	21.00	8.97	8.97	15.84		
Wednesday, March 20, 2019		3/20/19 9:45	24:00	1.00	479.20	32,960.0	54.00	23.08	23.08	16.61		
Thursday, March 21, 2019		3/21/19 9:45	24:00	1.00	479.30	32,988.0	28.00	11.97	11.97	15.63		
Friday, March 22, 2019		3/22/19 9:45	24:00	1.00	479.30	33,025.0	37.00	15.81	15.81	15.87		
Saturday, March 23, 2019		3/23/19 9:45	24:00	1.00				0.00	0.00	15.16		
Sunday, March 24, 2019		3/24/19 9:45	24:00	1.00				0.00	0.00	14.81		
Monday, March 25, 2019		3/25/19 9:45	24:00	1.00	479.30	33,190.0	165.00	70.51	70.51	17.17		
Tuesday, March 26, 2019		3/26/19 9:45	24:00	1.00	479.30	33,210.0	20.00	8.55	8.55	17.45		
Wednesday, March 27, 2019		3/27/19 9:45	24:00	1.00	479.40	33,299.0	89.00	38.03	38.03	15.31		
Thursday, March 28, 2019		3/28/19 9:45	24:00	1.00	479.40	33,322.0	23.00	9.83	9.83	15.19		
Friday, March 29, 2019		3/29/19 9:45	24:00	1.00	479.40	33,357.0	35.00	14.96	14.96	15.28		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, March 30, 2019		3/30/19 9:45	24:00	1.00				0.00	0.00	14.12		
Sunday, March 31, 2019		3/31/19 9:45	24:00	1.00				0.00	0.00	13.89		
Monday, April 1, 2019		4/1/19 9:45	24:00	1.00	479.40	33,490.0	133.00	56.84	56.84	15.78		
Tuesday, April 2, 2019		4/2/19 9:45	24:00	1.00	479.50	33,510.0	20.00	8.55	8.55	16.07		
Wednesday, April 3, 2019		4/3/19 9:45	24:00	1.00	479.50	33,570.0	60.00	25.64	25.64	15.01		
Thursday, April 4, 2019		4/4/19 9:45	24:00	1.00	479.50	33,597.0	27.00	11.54	11.54	15.21		
Friday, April 5, 2019		4/5/19 9:45	24:00	1.00	479.50	33,635.0	38.00	16.24	16.24	15.56		
Saturday, April 6, 2019		4/6/19 9:45	24:00	1.00				0.00	0.00	15.51		
Sunday, April 7, 2019		4/7/19 9:45	24:00	1.00				0.00	0.00	15.51		
Monday, April 8, 2019		4/8/19 9:45	24:00	1.00	479.50	33,775.0	140.00	59.83	59.83	17.51		
Tuesday, April 9, 2019		4/9/19 9:45	24:00	1.00	479.60	33,855.0	80.00	34.19	34.19	18.65		
Wednesday, April 10, 2019		4/10/19 9:45	24:00	1.00	479.60	33,906.0	51.00	21.79	21.79	18.72		
Thursday, April 11, 2019		4/11/19 9:45	24:00	1.00	479.60	33,927.0	21.00	8.97	8.97	18.76		
Friday, April 12, 2019		4/12/19 9:45	24:00	1.00	479.60	34,007.0	80.00	34.19	34.19	19.05		
Saturday, April 13, 2019		4/13/19 9:45	24:00	1.00				0.00	0.00	18.72		
Sunday, April 14, 2019		4/14/19 9:45	24:00	1.00				0.00	0.00	17.54		
Monday, April 15, 2019		4/15/19 9:45	24:00	1.00	479.60	34,056.0	49.00	20.94	20.94	18.23		
Tuesday, April 16, 2019		4/16/19 9:45	24:00	1.00	479.60	34,078.0	22.00	9.40	9.40	18.55		
Wednesday, April 17, 2019		4/17/19 9:45	24:00	1.00	479.70	34,190.0	112.00	47.86	47.86	18.59		
Thursday, April 18, 2019		4/18/19 9:45	24:00	1.00	479.70	34,216.0	26.00	11.11	11.11	18.66		
Friday, April 19, 2019		4/19/19 9:45	24:00	1.00	479.70	34,332.0	116.00	49.57	49.57	19.54		
Saturday, April 20, 2019		4/20/19 9:45	24:00	1.00				0.00	0.00	19.15		
Sunday, April 21, 2019		4/21/19 9:45	24:00	1.00				0.00	0.00	18.62		
Monday, April 22, 2019		4/22/19 9:45	24:00	1.00	479.70	34,494.0	162.00	69.23	69.23	20.93		
Tuesday, April 23, 2019		4/23/19 9:45	24:00	1.00	479.80	34,530.0	36.00	15.38	15.38	21.44		
Wednesday, April 24, 2019		4/24/19 9:45	24:00	1.00	479.80	34,603.0	73.00	31.20	31.20	20.13		
Thursday, April 25, 2019		4/25/19 9:45	24:00	1.00	479.90	34,628.0	25.00	10.68	10.68	20.20		
Friday, April 26, 2019		4/26/19 9:45	24:00	1.00	479.90	34,710.0	82.00	35.04	35.04	20.10		
Saturday, April 27, 2019		4/27/19 9:45	24:00	1.00				0.00	0.00	19.77		
Sunday, April 28, 2019		4/28/19 9:45	24:00	1.00				0.00	0.00	19.27		
Monday, April 29, 2019		4/29/19 9:45	24:00	1.00	479.90	34,763.0	53.00	22.65	22.65	20.03		
Tuesday, April 30, 2019		4/30/19 9:45	24:00	1.00	479.90	34,784.0	21.00	8.97	8.97	20.33		
Wednesday, May 1, 2019		5/1/19 9:45	24:00	1.00	479.90	34,820.0	36.00	15.38	15.38	18.95		
Thursday, May 2, 2019		5/2/19 9:45	24:00	1.00	479.90	34,872.0	52.00	22.22	22.22	19.40		
Friday, May 3, 2019		5/3/19 9:45	24:00	1.00	479.90	34,892.0	20.00	8.55	8.55	18.83		
Saturday, May 4, 2019		5/4/19 9:45	24:00	1.00				0.00	0.00	18.45		
Sunday, May 5, 2019		5/5/19 9:45	24:00	1.00				0.00	0.00	17.91		
Monday, May 6, 2019		5/6/19 9:45	24:00	1.00	480.00	35,179.0	287.00	122.65	122.65	21.99		
Tuesday, May 7, 2019		5/7/19 9:45	24:00	1.00	480.10	35,216.0	37.00	15.81	15.81	22.52		
Wednesday, May 8, 2019		5/8/19 9:45	24:00	1.00	408.10	35,352.0	136.00	58.12	58.12	22.46		
Thursday, May 9, 2019		5/9/19 9:45	24:00	1.00	408.10	35,381.0	29.00	12.39	12.39	21.74		
Friday, May 10, 2019		5/10/19 9:45	24:00	1.00	408.10	35,430.0	49.00	20.94	20.94	21.71		
Saturday, May 11, 2019		5/11/19 9:45	24:00	1.00				0.00	0.00	21.41		
Sunday, May 12, 2019		5/12/19 9:45	24:00	1.00				0.00	0.00	20.27		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, May 13, 2019		5/13/19 9:45	24:00	1.00	408.20	35,680.0	250.00	106.84	106.84	23.83		
Tuesday, May 14, 2019		5/14/19 9:45	24:00	1.00	408.20	35,892.0	212.00	90.60	90.60	26.85		
Wednesday, May 15, 2019		5/15/19 9:45	24:00	1.00	408.20	36,072.0	180.00	76.92	76.92	28.72		
Thursday, May 16, 2019		5/16/19 9:45	24:00	1.00	408.20	36,262.0	190.00	81.20	81.20	31.11		
Friday, May 17, 2019		5/17/19 9:45	24:00	1.00	408.20	36,430.0	168.00	71.79	71.79	31.91		
Saturday, May 18, 2019		5/18/19 9:45	24:00	1.00				0.00	0.00	31.54		
Sunday, May 19, 2019		5/19/19 9:45	24:00	1.00				0.00	0.00	29.89		
Monday, May 20, 2019		5/20/19 9:45	24:00	1.00	408.30	36,688.0	258.00	110.26	110.26	33.56		
Tuesday, May 21, 2019		5/21/19 9:45	24:00	1.00	408.40	36,786.0	98.00	41.88	41.88	34.96		
Wednesday, May 22, 2019		5/22/19 9:45	24:00	1.00	408.40	36,814.0	28.00	11.97	11.97	33.05		
Thursday, May 23, 2019		5/23/19 9:45	24:00	1.00	408.60	36,825.0	11.00	4.70	4.70	32.69		
Friday, May 24, 2019		5/24/19 9:45	24:00	1.00	408.60	36,830.0	5.00	2.14	2.14	31.72		
Saturday, May 25, 2019		5/25/19 9:45	24:00	1.00				0.00	0.00	31.37		
Sunday, May 26, 2019		5/26/19 9:45	24:00	1.00				0.00	0.00	30.20		
Monday, May 27, 2019		5/27/19 9:45	24:00	1.00				0.00	0.00	30.20		
Tuesday, May 28, 2019		5/28/19 9:45	24:00	1.00	408.60	36,900.0	70.00	29.91	29.91	31.20		
Wednesday, May 29, 2019		5/29/19 9:45	24:00	1.00	408.70	36,930.0	30.00	12.82	12.82	30.87		
Thursday, May 30, 2019		5/30/19 9:45	24:00	1.00	408.70	36,942.0	12.00	5.13	5.13	30.74		
Friday, May 31, 2019		5/31/19 9:45	24:00	1.00	408.70	36,947.0	5.00	2.14	2.14	30.30		
Saturday, June 1, 2019		6/1/19 9:45	24:00	1.00				0.00	0.00	29.56		
Sunday, June 2, 2019		6/2/19 9:45	24:00	1.00				0.00	0.00	29.27		
Monday, June 3, 2019		6/3/19 9:45	24:00	1.00	408.70	36,956.0	9.00	3.85	3.85	29.40		
Tuesday, June 4, 2019		6/4/19 9:45	24:00	1.00	408.70	36,956.0	0.00	0.00	0.00	29.40		
Wednesday, June 5, 2019		6/5/19 9:45	24:00	1.00	408.70	36,961.0	5.00	2.14	2.14	25.38		
Thursday, June 6, 2019		6/6/19 9:45	24:00	1.00	408.70	36,965.0	4.00	1.71	1.71	24.91		
Friday, June 7, 2019		6/7/19 9:45	24:00	1.00	408.70	36,967.0	2.00	0.85	0.85	23.01		
Saturday, June 8, 2019		6/8/19 9:45	24:00	1.00				0.00	0.00	22.59		
Sunday, June 9, 2019		6/9/19 9:45	24:00	1.00				0.00	0.00	21.89		
Monday, June 10, 2019		6/10/19 9:45	24:00	1.00	480.70	36,974.0	7.00	2.99	2.99	21.99		
Tuesday, June 11, 2019		6/11/19 9:45	24:00	1.00	480.70	36,977.0	3.00	1.28	1.28	22.04		
Wednesday, June 12, 2019		6/12/19 9:45	24:00	1.00	408.70	36,977.0	0.00	0.00	0.00	18.48		
Thursday, June 13, 2019		6/13/19 9:45	24:00	1.00	408.70	36,984.0	7.00	2.99	2.99	15.56		
Friday, June 14, 2019		6/14/19 9:45	24:00	1.00	408.70	36,987.0	3.00	1.28	1.28	13.03		
Saturday, June 15, 2019		6/15/19 9:45	24:00	1.00				0.00	0.00	10.33		
Sunday, June 16, 2019		6/16/19 9:45	24:00	1.00				0.00	0.00	7.93		
Monday, June 17, 2019		6/17/19 9:45	24:00	1.00	408.70	36,992.0	5.00	2.14	2.14	8.01		
Tuesday, June 18, 2019		6/18/19 9:45	24:00	1.00	408.70	37,013.0	21.00	8.97	8.97	8.30		
Wednesday, June 19, 2019		6/19/19 9:45	24:00	1.00	408.70	37,042.0	29.00	12.39	12.39	5.04		
Thursday, June 20, 2019		6/20/19 9:45	24:00	1.00	408.70	37,051.0	9.00	3.85	3.85	3.77		
Friday, June 21, 2019		6/21/19 9:45	24:00	1.00	480.70	37,146.0	95.00	40.60	40.60	4.73		
Saturday, June 22, 2019		6/22/19 9:45	24:00	1.00				0.00	0.00	4.57		
Sunday, June 23, 2019		6/23/19 9:45	24:00	1.00				0.00	0.00	4.50		
Monday, June 24, 2019		6/24/19 9:45	24:00	1.00	480.80	37,540.0	394.00	168.38	168.38	10.11		
Tuesday, June 25, 2019		6/25/19 9:45	24:00	1.00	480.80	37,553.0	13.00	5.56	5.56	10.30		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, June 26, 2019		6/26/19 9:45	24:00	1.00	480.80	37,363.0	10.00	4.27	4.27	10.44		
Thursday, June 27, 2019		6/27/19 9:45	24:00	1.00	480.80	37,384.0	21.00	8.97	8.97	9.74		
Friday, June 28, 2019		6/28/19 9:45	24:00	1.00	480.90	37,388.0	4.00	1.71	1.71	9.37		
Saturday, June 29, 2019		6/29/19 9:45	24:00	1.00				0.00	0.00	9.20		
Sunday, June 30, 2019		6/30/19 9:45	24:00	1.00				0.00	0.00	9.13		
Monday, July 1, 2019		7/1/19 9:45	24:00	1.00	480.90	37,390.0	2.00	0.85	0.85	9.16		
Tuesday, July 2, 2019		7/2/19 9:45	24:00	1.00	480.90	37,390.0	0.00	0.00	0.00	9.16		
Wednesday, July 3, 2019		7/3/19 9:45	24:00	1.00	480.90	37,396.0	6.00	2.56	2.56	9.12		
Thursday, July 4, 2019		7/4/19 9:45	24:00	1.00	480.90	37,396.0	0.00	0.00	0.00	9.12		
Friday, July 5, 2019		7/5/19 9:45	24:00	1.00	480.90	37,396.0	0.00	0.00	0.00	9.05		
Saturday, July 6, 2019		7/6/19 9:45	24:00	1.00				0.00	0.00	8.99		
Sunday, July 7, 2019		7/7/19 9:45	24:00	1.00				0.00	0.00	8.96		
Monday, July 8, 2019		7/8/19 9:45	24:00	1.00	480.90	37,407.0	11.00	4.70	4.70	9.12		
Tuesday, July 9, 2019		7/9/19 9:45	24:00	1.00	480.90	37,407.0	0.00	0.00	0.00	9.12		
Wednesday, July 10, 2019		7/10/19 9:45	24:00	1.00	480.90	37,407.0	0.00	0.00	0.00	9.02		
Thursday, July 11, 2019		7/11/19 9:45	24:00	1.00	480.90	37,407.0	0.00	0.00	0.00	8.97		
Friday, July 12, 2019		7/12/19 9:45	24:00	1.00	480.90	37,407.0	0.00	0.00	0.00	8.97		
Saturday, July 13, 2019		7/13/19 9:45	24:00	1.00				0.00	0.00	8.87		
Sunday, July 14, 2019		7/14/19 9:45	24:00	1.00				0.00	0.00	8.83		
Monday, July 15, 2019		7/15/19 9:45	24:00	1.00	480.90	37,417.0	10.00	4.27	4.27	8.97		
Tuesday, July 16, 2019		7/16/19 9:45	24:00	1.00	480.90	37,417.0	0.00	0.00	0.00	8.97		
Wednesday, July 17, 2019		7/17/19 9:45	24:00	1.00	480.90	37,420.0	3.00	1.28	1.28	8.95		
Thursday, July 18, 2019		7/18/19 9:45	24:00	1.00	480.90	37,420.0	0.00	0.00	0.00	8.65		
Friday, July 19, 2019		7/19/19 9:45	24:00	1.00	408.90	37,421.0	1.00	0.43	0.43	8.25		
Saturday, July 20, 2019		7/20/19 9:45	24:00	1.00				0.00	0.00	8.12		
Sunday, July 21, 2019		7/21/19 9:45	24:00	1.00	480.90	37,422.0	1.00	0.43	0.43	6.78		
Monday, July 22, 2019		7/22/19 9:45	24:00	1.00	480.90	37,429.0	7.00	2.99	2.99	6.88		
Tuesday, July 23, 2019		7/23/19 9:45	24:00	1.00	480.90	37,430.0	1.00	0.43	0.43	6.89		
Wednesday, July 24, 2019		7/24/19 9:45	24:00	1.00	480.90	37,430.0	0.00	0.00	0.00	1.28		
Thursday, July 25, 2019		7/25/19 9:45	24:00	1.00	480.90	37,430.0	0.00	0.00	0.00	1.10		
Friday, July 26, 2019		7/26/19 9:45	24:00	1.00				0.00	0.00	0.95		
Saturday, July 27, 2019		7/27/19 9:45	24:00	1.00				0.00	0.00	0.66		
Sunday, July 28, 2019		7/28/19 9:45	24:00	1.00	480.90	37,435.0	5.00	2.14	2.14	0.67		
Monday, July 29, 2019		7/29/19 9:45	24:00	1.00	480.90	37,438.0	3.00	1.28	1.28	0.71		
Tuesday, July 30, 2019		7/30/19 9:45	24:00	1.00	480.90	37,438.0	0.00	0.00	0.00	0.71		
Wednesday, July 31, 2019		7/31/19 9:45	24:00	1.00	480.90	37,438.0	0.00	0.00	0.00	0.68		
Thursday, August 1, 2019		8/1/19 9:45	24:00	1.00	480.90	37,438.0	0.00	0.00	0.00	0.68		
Friday, August 2, 2019		8/2/19 9:45	24:00	1.00				0.00	0.00	0.60		
Saturday, August 3, 2019		8/3/19 9:45	24:00	1.00				0.00	0.00	0.60		
Sunday, August 4, 2019		8/4/19 9:45	24:00	1.00	480.90	37,441.0	3.00	1.28	1.28	0.64		
Monday, August 5, 2019		8/5/19 9:45	24:00	1.00	480.90	37,441.0	0.00	0.00	0.00	0.64		
Tuesday, August 6, 2019		8/6/19 9:45	24:00	1.00	480.90	37,444.0	3.00	1.28	1.28	0.68		
Wednesday, August 7, 2019		8/7/19 9:45	24:00	1.00	480.90	37,444.0	0.00	0.00	0.00	0.53		
Thursday, August 8, 2019		8/8/19 9:45	24:00	1.00	480.90	37,444.0	0.00	0.00	0.00	0.53		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, August 9, 2019		8/9/19 9:45	24:00	1.00				0.00	0.00	0.53		
Saturday, August 10, 2019		8/10/19 9:45	24:00	1.00				0.00	0.00	0.53		
Sunday, August 11, 2019		8/11/19 9:45	24:00	1.00	480.90	37,451.0	7.00	2.99	2.99	0.63		
Monday, August 12, 2019		8/12/19 9:45	24:00	1.00	480.90	37,451.0	0.00	0.00	0.00	0.63		
Tuesday, August 13, 2019		8/13/19 9:45	24:00	1.00	480.90	37,454.0	3.00	1.28	1.28	0.67		
Wednesday, August 14, 2019		8/14/19 9:45	24:00	1.00	480.90	37,454.0	0.00	0.00	0.00	0.53		
Thursday, August 15, 2019		8/15/19 9:45	24:00	1.00	480.90	37,456.0	2.00	0.85	0.85	0.56		
Friday, August 16, 2019		8/16/19 9:45	24:00	1.00				0.00	0.00	0.51		
Saturday, August 17, 2019		8/17/19 9:45	24:00	1.00				0.00	0.00	0.51		
Sunday, August 18, 2019		8/18/19 9:45	24:00	1.00	480.90	37,459.0	3.00	1.28	1.28	0.54		
Monday, August 19, 2019		8/19/19 9:45	24:00	1.00	480.90	37,459.0	0.00	0.00	0.00	0.54		
Tuesday, August 20, 2019		8/20/19 9:45	24:00	1.00	480.90	37,570.0	111.00	47.44	47.44	2.11		
Wednesday, August 21, 2019		8/21/19 9:45	24:00	1.00	480.90	37,587.0	17.00	7.26	7.26	2.25		
Thursday, August 22, 2019		8/22/19 9:45	24:00	1.00	480.90	37,587.0	0.00	0.00	0.00	2.24		
Friday, August 23, 2019		8/23/19 9:45	24:00	1.00				0.00	0.00	2.24		
Saturday, August 24, 2019		8/24/19 9:45	24:00	1.00				0.00	0.00	2.24		
Sunday, August 25, 2019		8/25/19 9:45	24:00	1.00				0.00	0.00	2.24		
Monday, August 26, 2019		8/26/19 9:45	24:00	1.00	481.00	37,594.0	7.00	2.99	2.99	2.34		
Tuesday, August 27, 2019		8/27/19 9:45	24:00	1.00	481.00	37,594.0	0.00	0.00	0.00	2.26		
Wednesday, August 28, 2019		8/28/19 9:45	24:00	1.00	481.00	37,594.0	0.00	0.00	0.00	2.22		
Thursday, August 29, 2019		8/29/19 9:45	24:00	1.00	481.00	37,595.0	1.00	0.43	0.43	2.24		
Friday, August 30, 2019		8/30/19 9:45	24:00	1.00	481.00	37,595.0	0.00	0.00	0.00	2.24		
Saturday, August 31, 2019		8/31/19 9:45	24:00	1.00				0.00	0.00	2.24		
Sunday, September 1, 2019		9/1/19 9:45	24:00	1.00				0.00	0.00	2.24		
Monday, September 2, 2019		9/2/19 9:45	24:00	1.00				0.00	0.00	2.24		
Tuesday, September 3, 2019		9/3/19 9:45	24:00	1.00	481.00	37,598.0	3.00	1.28	1.28	2.24		
Wednesday, September 4, 2019		9/4/19 9:45	24:00	1.00	481.00	37,629.0	31.00	13.25	13.25	2.68		
Thursday, September 5, 2019		9/5/19 9:45	24:00	1.00	481.00	37,629.0	0.00	0.00	0.00	2.64		
Friday, September 6, 2019		9/6/19 9:45	24:00	1.00	481.00	37,654.0	25.00	10.68	10.68	2.99		
Saturday, September 7, 2019		9/7/19 9:45	24:00	1.00				0.00	0.00	2.99		
Sunday, September 8, 2019		9/8/19 9:45	24:00	1.00				0.00	0.00	2.99		
Monday, September 9, 2019		9/9/19 9:45	24:00	1.00	481.00	37,660.0	6.00	2.56	2.56	3.08		
Tuesday, September 10, 2019		9/10/19 9:45	24:00	1.00	481.10	37,660.0	0.00	0.00	0.00	2.98		
Wednesday, September 11, 2019		9/11/19 9:45	24:00	1.00	481.10	37,664.0	4.00	1.71	1.71	3.03		
Thursday, September 12, 2019		9/12/19 9:45	24:00	1.00	481.10	37,664.0	0.00	0.00	0.00	2.99		
Friday, September 13, 2019		9/13/19 9:45	24:00	1.00	481.10	37,667.0	3.00	1.28	1.28	3.03		
Saturday, September 14, 2019		9/14/19 9:45	24:00	1.00				0.00	0.00	3.01		
Sunday, September 15, 2019		9/15/19 9:45	24:00	1.00				0.00	0.00	3.01		
Monday, September 16, 2019		9/16/19 9:45	24:00	1.00	481.10	37,673.0	6.00	2.56	2.56	3.09		
Tuesday, September 17, 2019		9/17/19 9:45	24:00	1.00	481.10	37,673.0	0.00	0.00	0.00	3.05		
Wednesday, September 18, 2019		9/18/19 9:45	24:00	1.00	481.10	37,673.0	0.00	0.00	0.00	3.05		
Thursday, September 19, 2019		9/19/19 9:45	24:00	1.00	481.10	37,673.0	0.00	0.00	0.00	1.47		
Friday, September 20, 2019		9/20/19 9:45	24:00	1.00	481.10	37,673.0	0.00	0.00	0.00	1.23		
Saturday, September 21, 2019		9/21/19 9:45	24:00	1.00				0.00	0.00	1.23		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, September 22, 2019		9/22/19 9:45	24:00	1.00				0.00	0.00	1.23		
Monday, September 23, 2019		9/23/19 9:45	24:00	1.00	481.10	37,678.0	5.00	2.14	2.14	1.30		
Tuesday, September 24, 2019		9/24/19 9:45	24:00	1.00	481.10	37,678.0	0.00	0.00	0.00	1.30		
Wednesday, September 25, 2019		9/25/19 9:45	24:00	1.00	481.10	37,681.0	3.00	1.28	1.28	1.24		
Thursday, September 26, 2019		9/26/19 9:45	24:00	1.00	481.10	37,681.0	0.00	0.00	0.00	1.24		
Friday, September 27, 2019		9/27/19 9:45	24:00	1.00	481.10	37,681.0	0.00	0.00	0.00	1.24		
Saturday, September 28, 2019		9/28/19 9:45	24:00	1.00				0.00	0.00	1.23		
Sunday, September 29, 2019		9/29/19 9:45	24:00	1.00				0.00	0.00	1.23		
Monday, September 30, 2019		9/30/19 9:45	24:00	1.00	481.10	37,686.0	5.00	2.14	2.14	1.30		
Tuesday, October 1, 2019		10/1/19 9:45	24:00	1.00	481.10	37,686.0	0.00	0.00	0.00	1.30		
Wednesday, October 2, 2019		10/2/19 9:45	24:00	1.00	481.10	37,686.0	0.00	0.00	0.00	1.30		
Thursday, October 3, 2019		10/3/19 9:45	24:00	1.00	481.10	37,686.0	0.00	0.00	0.00	1.25		
Friday, October 4, 2019		10/4/19 9:45	24:00	1.00	481.10	37,692.0	6.00	2.56	2.56	0.90		
Saturday, October 5, 2019		10/5/19 9:45	24:00	1.00				0.00	0.00	0.90		
Sunday, October 6, 2019		10/6/19 9:45	24:00	1.00				0.00	0.00	0.54		
Monday, October 7, 2019		10/7/19 9:45	24:00	1.00	481.10	37,692.0	0.00	0.00	0.00	0.54		
Tuesday, October 8, 2019		10/8/19 9:45	24:00	1.00	481.10	37,695.0	3.00	1.28	1.28	0.58		
Wednesday, October 9, 2019		10/9/19 9:45	24:00	1.00	481.10	37,695.0	0.00	0.00	0.00	0.50		
Thursday, October 10, 2019		10/10/19 9:45	24:00	1.00	481.10	37,695.0	1.00	0.43	0.43	0.51		
Friday, October 11, 2019		10/11/19 9:45	24:00	1.00	481.10	37,697.0	1.00	0.43	0.43	0.47		
Saturday, October 12, 2019		10/12/19 9:45	24:00	1.00				0.00	0.00	0.47		
Sunday, October 13, 2019		10/13/19 9:45	24:00	1.00				0.00	0.00	0.43		
Monday, October 14, 2019		10/14/19 9:45	24:00	1.00				0.00	0.00	0.43		
Tuesday, October 15, 2019		10/15/19 9:45	24:00	1.00	481.10	37,703.0	6.00	2.56	2.56	0.51		
Wednesday, October 16, 2019		10/16/19 9:45	24:00	1.00	481.10	37,704.0	1.00	0.43	0.43	0.44		
Thursday, October 17, 2019		10/17/19 9:45	24:00	1.00	481.10	37,708.0	4.00	1.71	1.71	0.50		
Friday, October 18, 2019		10/18/19 9:45	24:00	1.00	481.10	37,730.0	22.00	9.40	9.40	0.81		
Saturday, October 19, 2019		10/19/19 9:45	24:00	1.00				0.00	0.00	0.81		
Sunday, October 20, 2019		10/20/19 9:45	24:00	1.00				0.00	0.00	0.81		
Monday, October 21, 2019		10/21/19 9:45	24:00	1.00	481.10	37,912.0	182.00	77.78	77.78	3.40		
Tuesday, October 22, 2019		10/22/19 9:45	24:00	1.00	481.20	37,961.0	49.00	20.94	20.94	4.10		
Wednesday, October 23, 2019		10/23/19 9:45	24:00	1.00	481.20	37,984.0	23.00	9.83	9.83	4.36		
Thursday, October 24, 2019		10/24/19 9:45	24:00	1.00	481.20	38,069.0	105.00	44.87	44.87	5.85		
Friday, October 25, 2019		10/25/19 9:45	24:00	1.00	481.20	38,091.0	22.00	9.40	9.40	6.13		
Saturday, October 26, 2019		10/26/19 9:45	24:00	1.00				0.00	0.00	6.13		
Sunday, October 27, 2019		10/27/19 9:45	24:00	1.00				0.00	0.00	6.13		
Monday, October 28, 2019		10/28/19 9:45	24:00	1.00	481.20	38,282.0	191.00	81.62	81.62	8.85		
Tuesday, October 29, 2019		10/29/19 9:45	24:00	1.00	481.30	38,303.0	21.00	8.97	8.97	9.15		
Wednesday, October 30, 2019		10/30/19 9:45	24:00	1.00	481.30	38,313.0	10.00	4.27	4.27	9.22		
Thursday, October 31, 2019		10/31/19 9:45	24:00	1.00	481.30	38,457.0	144.00	61.54	61.54	11.27		
Friday, November 1, 2019		11/1/19 9:45	24:00	1.00	481.30	38,483.0	26.00	11.11	11.11	11.64		
Saturday, November 2, 2019		11/2/19 9:45	24:00	1.00				0.00	0.00	11.64		
Sunday, November 3, 2019		11/3/19 9:45	24:00	1.00				0.00	0.00	11.55		
Monday, November 4, 2019		11/4/19 9:45	24:00	1.00	481.40	38,730.0	247.00	105.56	105.56	15.07		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, November 5, 2019		11/5/19 9:45	24:00	1.00	481.50	38,733.0	3.00	1.28	1.28	15.11		
Wednesday, November 6, 2019		11/6/19 9:45	24:00	1.00	481.50	38,758.0	25.00	10.68	10.68	15.47		
Thursday, November 7, 2019		11/7/19 9:45	24:00	1.00	481.50	38,758.0	0.00	0.00	0.00	15.43		
Friday, November 8, 2019		11/8/19 9:45	24:00	1.00	481.50	38,797.0	39.00	16.67	16.67	15.98		
Saturday, November 9, 2019		11/9/19 9:45	24:00	1.00				0.00	0.00	15.97		
Sunday, November 10, 2019		11/10/19 9:45	24:00	1.00				0.00	0.00	15.95		
Monday, November 11, 2019		11/11/19 9:45	24:00	1.00				0.00	0.00	15.95		
Tuesday, November 12, 2019		11/12/19 9:45	24:00	1.00	481.50	38,811.0	14.00	5.98	5.98	16.15		
Wednesday, November 13, 2019		11/13/19 9:45	24:00	1.00	481.50	38,819.0	8.00	3.42	3.42	16.27		
Thursday, November 14, 2019		11/14/19 9:45	24:00	1.00	481.50	38,819.0	0.00	0.00	0.00	16.18		
Friday, November 15, 2019		11/15/19 9:45	24:00	1.00	481.50	38,820.0	1.00	0.43	0.43	16.18		
Saturday, November 16, 2019		11/16/19 9:45	24:00	1.00				0.00	0.00	16.13		
Sunday, November 17, 2019		11/17/19 9:45	24:00	1.00				0.00	0.00	15.81		
Monday, November 18, 2019		11/18/19 9:45	24:00	1.00	481.50	38,930.0	110.00	47.01	47.01	17.38		
Tuesday, November 19, 2019		11/19/19 9:45	24:00	1.00	481.50	38,947.0	17.00	7.26	7.26	17.62		
Wednesday, November 20, 2019		11/20/19 9:45	24:00	1.00	481.50	39,013.0	66.00	28.21	28.21	15.97		
Thursday, November 21, 2019		11/21/19 9:45	24:00	1.00	481.50	39,032.0	19.00	8.12	8.12	15.54		
Friday, November 22, 2019		11/22/19 9:45	24:00	1.00	481.50	39,102.0	70.00	29.91	29.91	16.21		
Saturday, November 23, 2019		11/23/19 9:45	24:00	1.00				0.00	0.00	14.72		
Sunday, November 24, 2019		11/24/19 9:45	24:00	1.00				0.00	0.00	14.40		
Monday, November 25, 2019		11/25/19 9:45	24:00	1.00	481.60	39,126.0	24.00	10.26	10.26	14.74		
Tuesday, November 26, 2019		11/26/19 9:45	24:00	1.00	481.60	39,140.0	14.00	5.98	5.98	14.94		
Wednesday, November 27, 2019		11/27/19 9:45	24:00	1.00	481.60	39,141.0	1.00	0.43	0.43	12.24		
Thursday, November 28, 2019		11/28/19 9:45	24:00	1.00	481.60	39,141.0	0.00	0.00	0.00	11.94		
Friday, November 29, 2019		11/29/19 9:45	24:00	1.00	481.60	39,147.0	6.00	2.56	2.56	11.88		
Saturday, November 30, 2019		11/30/19 9:45	24:00	1.00				0.00	0.00	9.83		
Sunday, December 1, 2019		12/1/19 9:45	24:00	1.00				0.00	0.00	9.46		
Monday, December 2, 2019		12/2/19 9:45	24:00	1.00	481.60	39,157.0	10.00	4.27	4.27	9.60		
Tuesday, December 3, 2019		12/3/19 9:45	24:00	1.00	481.60	39,157.0	0.00	0.00	0.00	9.60		
Wednesday, December 4, 2019		12/4/19 9:45	24:00	1.00	481.60	39,167.0	10.00	4.27	4.27	6.23		
Thursday, December 5, 2019		12/5/19 9:45	24:00	1.00	481.60	39,216.0	49.00	20.94	20.94	6.88		
Friday, December 6, 2019		12/6/19 9:45	24:00	1.00	481.60	39,234.0	18.00	7.69	7.69	6.78		
Saturday, December 7, 2019		12/7/19 9:45	24:00	1.00				0.00	0.00	6.78		
Sunday, December 8, 2019		12/8/19 9:45	24:00	1.00				0.00	0.00	6.23		
Monday, December 9, 2019		12/9/19 9:45	24:00	1.00	481.60	39,470.0	236.00	100.85	100.85	9.59		
Tuesday, December 10, 2019		12/10/19 9:45	24:00	1.00	481.70	39,501.0	31.00	13.25	13.25	10.03		
Wednesday, December 11, 2019		12/11/19 9:45	24:00	1.00	481.70	39,530.0	29.00	12.39	12.39	10.44		
Thursday, December 12, 2019		12/12/19 9:45	24:00	1.00	481.70	39,615.0	85.00	36.32	36.32	11.45		
Friday, December 13, 2019		12/13/19 9:45	24:00	1.00	481.70	39,635.0	20.00	8.55	8.55	11.62		
Saturday, December 14, 2019		12/14/19 9:45	24:00	1.00				0.00	0.00	11.62		
Sunday, December 15, 2019		12/15/19 9:45	24:00	1.00				0.00	0.00	11.61		
Monday, December 16, 2019		12/16/19 9:45	24:00	1.00	481.80	39,862.0	227.00	97.01	97.01	14.84		
Tuesday, December 17, 2019		12/17/19 9:45	24:00	1.00	481.80	39,892.0	30.00	12.82	12.82	15.27		
Wednesday, December 18, 2019		12/18/19 9:45	24:00	1.00	481.90	39,930.0	38.00	16.24	16.24	14.25		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE EIGHT (LTMH-8, Middle Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.34 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, December 19, 2019	12/19/19 9:45	24:00	1.00	481.90	39,942.0	12.00	5.13	5.13	14.17			
Friday, December 20, 2019	12/20/19 9:45	24:00	1.00	481.90	39,950.0	8.00	3.42	3.42	13.35			
Saturday, December 21, 2019	12/21/19 9:45	24:00	1.00				0.00	0.00	13.08			
Sunday, December 22, 2019	12/22/19 9:45	24:00	1.00				0.00	0.00	12.08			
Monday, December 23, 2019	12/23/19 9:45	24:00	1.00	481.90	40,130.0	180.00	76.92	76.92	14.64			
Tuesday, December 24, 2019	12/24/19 9:45	24:00	1.00	482.00	40,153.0	23.00	9.83	9.83	14.97			
Wednesday, December 25, 2019	12/25/19 9:45	24:00	1.00	482.00	40,199.0	46.00	19.66	19.66	15.28			
Thursday, December 26, 2019	12/26/19 9:45	24:00	1.00	482.00	40,260.0	60.00	25.64	25.64	15.94			
Friday, December 27, 2019	12/27/19 9:45	24:00	1.00	482.00	40,281.0	22.00	9.40	9.40	16.24			
Saturday, December 28, 2019	12/28/19 9:45	24:00	1.00				0.00	0.00	16.24			
Sunday, December 29, 2019	12/29/19 9:45	24:00	1.00				0.00	0.00	16.15			
Monday, December 30, 2019	12/30/19 9:45	24:00	1.00	482.00	40,535.0	254.00	108.55	108.55	19.77			
Tuesday, December 31, 2019	12/31/19 9:45	24:00	1.00	482.10	40,545.0	10.00	4.27	4.27	19.91			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Tuesday, January 1, 2019	1/1/19 9:45	24:00	1.00	202.74	18,779.6	0.0	0.00	0.00	2.60		
	Wednesday, January 2, 2019	1/2/19 9:45	24:00	1.00	203.02	18,779.6	0.0	0.00	0.00	2.48		
	Thursday, January 3, 2019	1/3/19 9:45	24:00	1.00	203.15	18,779.6	0.0	0.00	0.00	2.48		
	Friday, January 4, 2019	1/4/19 9:45	24:00	1.00	203.28	18,779.6	0.0	0.00	0.00	2.48		
	Saturday, January 5, 2019	1/5/19 9:45	24:00	1.00				0.00	0.00	2.18		
	Sunday, January 6, 2019	1/6/19 9:45	24:00	1.00				0.00	0.00	2.07		
	Monday, January 7, 2019	1/7/19 9:45	24:00	1.00	203.64	18,875.5	95.9	19.94	19.94	2.64		
	Tuesday, January 8, 2019	1/8/19 9:45	24:00	1.00	203.77	18,893.4	17.9	3.72	3.72	2.68		
	Wednesday, January 9, 2019	1/9/19 9:45	24:00	1.00	203.90	18,911.2	17.8	3.70	3.70	2.73		
	Thursday, January 10, 2019	1/10/19 9:45	24:00	1.00	204.03	18,929.0	17.8	3.70	3.70	2.86		
	Friday, January 11, 2019	1/11/19 9:45	24:00	1.00	204.17	18,929.0	0.0	0.00	0.00	2.86		
	Saturday, January 12, 2019	1/12/19 9:45	24:00	1.00				0.00	0.00	2.51		
	Sunday, January 13, 2019	1/13/19 9:45	24:00	1.00				0.00	0.00	2.51		
	Monday, January 14, 2019	1/14/19 9:45	24:00	1.00	204.52	18,981.2	52.2	10.85	10.85	2.87		
	Tuesday, January 15, 2019	1/15/19 9:45	24:00	1.00	204.65	18,996.3	15.1	3.14	3.14	2.70		
	Wednesday, January 16, 2019	1/16/19 9:45	24:00	1.00	204.77	19,011.9	15.6	3.24	3.24	2.70		
	Thursday, January 17, 2019	1/17/19 9:45	24:00	1.00	204.89	19,025.3	13.4	2.79	2.79	2.79		
	Friday, January 18, 2019	1/18/19 9:45	24:00	1.00	204.99	19,025.3	0.0	0.00	0.00	2.79		
	Saturday, January 19, 2019	1/19/19 9:45	24:00	1.00				0.00	0.00	2.41		
	Sunday, January 20, 2019	1/20/19 9:45	24:00	1.00				0.00	0.00	2.41		
	Monday, January 21, 2019	1/21/19 9:45	24:00	1.00				0.00	0.00	2.14		
	Tuesday, January 22, 2019	1/22/19 9:45	24:00	1.00	205.40	19,038.4	13.1	2.72	2.72	2.14		
	Wednesday, January 23, 2019	1/23/19 9:45	24:00	1.00	205.46	19,047.0	8.6	1.79	1.79	2.08		
	Thursday, January 24, 2019	1/24/19 9:45	24:00	1.00	205.56	19,060.5	13.5	2.81	2.81	2.17		
	Friday, January 25, 2019	1/25/19 9:45	24:00	1.00	205.67	19,075.2	14.7	3.06	3.06	2.27		
	Saturday, January 26, 2019	1/26/19 9:45	24:00	1.00				0.00	0.00	2.05		
	Sunday, January 27, 2019	1/27/19 9:45	24:00	1.00				0.00	0.00	2.05		
	Monday, January 28, 2019	1/28/19 9:45	24:00	1.00	207.54	19,122.5	47.3	9.83	9.83	2.38		
	Tuesday, January 29, 2019	1/29/19 9:45	24:00	1.00	207.63	19,134.0	11.5	2.39	2.39	2.46		
	Wednesday, January 30, 2019	1/30/19 9:45	24:00	1.00	207.73	19,148.1	14.1	2.93	2.93	2.55		
	Thursday, January 31, 2019	1/31/19 9:45	24:00	1.00	207.86	19,163.7	15.6	3.24	3.24	2.66		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, February 1, 2019	2/1/19 9:45	24:00	1.00	207.96	19,173.9	10.2	2.12	2.12	2.73			
Saturday, February 2, 2019	2/2/19 9:45	24:00	1.00				0.00	0.00	2.07			
Sunday, February 3, 2019	2/3/19 9:45	24:00	1.00				0.00	0.00	1.94			
Monday, February 4, 2019	2/4/19 9:45	24:00	1.00	208.25	19,178.4	4.5	0.94	0.94	1.85			
Tuesday, February 5, 2019	2/5/19 9:45	24:00	1.00	208.37	19,194.0	15.6	3.24	3.24	1.84			
Wednesday, February 6, 2019	2/6/19 9:45	24:00	1.00	208.49	19,207.2	13.2	2.74	2.74	1.93			
Thursday, February 7, 2019	2/7/19 9:45	24:00	1.00	208.61	19,223.6	16.4	3.41	3.41	2.04			
Friday, February 8, 2019	2/8/19 9:45	24:00	1.00	208.74	19,241.1	17.5	3.64	3.64	2.16			
Saturday, February 9, 2019	2/9/19 9:45	24:00	1.00				0.00	0.00	1.80			
Sunday, February 10, 2019	2/10/19 9:45	24:00	1.00				0.00	0.00	1.70			
Monday, February 11, 2019	2/11/19 9:45	24:00	1.00	209.11	19,275.0	33.9	7.05	7.05	1.82			
Tuesday, February 12, 2019	2/12/19 9:45	24:00	1.00	209.24	19,287.9	12.9	2.68	2.68	1.82			
Wednesday, February 13, 2019	2/13/19 9:45	24:00	1.00	209.33	19,303.4	15.5	3.22	3.22	1.93			
Thursday, February 14, 2019	2/14/19 9:45	24:00	1.00	210.52	19,315.2	11.8	2.45	2.45	2.01			
Friday, February 15, 2019	2/15/19 9:45	24:00	1.00	210.62	19,328.1	12.9	2.68	2.68	2.10			
Saturday, February 16, 2019	2/16/19 9:45	24:00	1.00				0.00	0.00	2.10			
Sunday, February 17, 2019	2/17/19 9:45	24:00	1.00				0.00	0.00	2.01			
Monday, February 18, 2019	2/18/19 9:45	24:00	1.00				0.00	0.00	1.95			
Tuesday, February 19, 2019	2/19/19 9:45	24:00	1.00	211.07	19,387.7	59.6	12.39	12.39	2.27			
Wednesday, February 20, 2019	2/20/19 9:45	24:00	1.00	211.19	19,395.6	7.9	1.64	1.64	2.22			
Thursday, February 21, 2019	2/21/19 9:45	24:00	1.00	211.19	19,395.6	0.0	0.00	0.00	2.22			
Friday, February 22, 2019	2/22/19 9:45	24:00	1.00	211.30	19,414.8	19.2	3.99	3.99	2.35			
Saturday, February 23, 2019	2/23/19 9:45	24:00	1.00				0.00	0.00	2.03			
Sunday, February 24, 2019	2/24/19 9:45	24:00	1.00				0.00	0.00	1.95			
Monday, February 25, 2019	2/25/19 9:45	24:00	1.00	212.40	19,461.1	46.3	9.63	9.63	2.17			
Tuesday, February 26, 2019	2/26/19 9:45	24:00	1.00	212.54	19,476.5	15.4	3.20	3.20	2.17			
Wednesday, February 27, 2019	2/27/19 9:45	24:00	1.00	212.63	19,488.8	12.3	2.56	2.56	2.18			
Thursday, February 28, 2019	2/28/19 9:45	24:00	1.00	212.74	19,502.7	13.9	2.89	2.89	2.28			
Friday, March 1, 2019	3/1/19 9:45	24:00	1.00	212.86	19,518.4	15.7	3.26	3.26	2.39			
Saturday, March 2, 2019	3/2/19 9:45	24:00	1.00				0.00	0.00	2.36			
Sunday, March 3, 2019	3/3/19 9:45	24:00	1.00				0.00	0.00	2.25			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, March 4, 2019	3/4/19 9:45	24:00	1.00	213.15	19,518.4	0.0	0.00	0.00	2.16			
Tuesday, March 5, 2019	3/5/19 9:45	24:00	1.00	213.24	19,518.4	0.0	0.00	0.00	2.04			
Wednesday, March 6, 2019	3/6/19 9:45	24:00	1.00	213.32	19,518.4	0.0	0.00	0.00	1.92			
Thursday, March 7, 2019	3/7/19 9:45	24:00	1.00	213.42	19,586.0	67.6	14.05	14.05	2.39			
Friday, March 8, 2019	3/8/19 9:45	24:00	1.00	213.49	19,586.0	0.0	0.00	0.00	2.39			
Saturday, March 9, 2019	3/9/19 9:45	24:00	1.00				0.00	0.00	2.16			
Sunday, March 10, 2019	3/10/19 9:45	24:00	1.00				0.00	0.00	2.07			
Monday, March 11, 2019	3/11/19 9:45	24:00	1.00	213.74	19,608.2	22.2	4.62	4.62	2.11			
Tuesday, March 12, 2019	3/12/19 9:45	24:00	1.00	213.86	19,624.6	16.4	3.41	3.41	2.14			
Wednesday, March 13, 2019	3/13/19 9:45	24:00	1.00	213.97	19,639.2	14.6	3.04	3.04	2.16			
Thursday, March 14, 2019	3/14/19 9:45	24:00	1.00	214.08	19,653.3	14.1	2.93	2.93	2.25			
Friday, March 15, 2019	3/15/19 9:45	24:00	1.00	214.19	19,669.2	15.9	3.31	3.31	2.36			
Saturday, March 16, 2019	3/16/19 9:45	24:00	1.00			0.0	0.00	0.00	2.36			
Sunday, March 17, 2019	3/17/19 9:45	24:00	1.00			0.0	0.00	0.00	1.95			
Monday, March 18, 2019	3/18/19 9:45	24:00	1.00	214.54	19,703.2	34.0	7.07	7.07	2.13			
Tuesday, March 19, 2019	3/19/19 9:45	24:00	1.00	214.63	19,703.2	0.0	0.00	0.00	2.13			
Wednesday, March 20, 2019	3/20/19 9:45	24:00	1.00	214.75	19,703.2	0.0	0.00	0.00	2.00			
Thursday, March 21, 2019	3/21/19 9:45	24:00	1.00	214.85	19,710.9	7.7	1.60	1.60	2.05			
Friday, March 22, 2019	3/22/19 9:45	24:00	1.00	214.85	19,725.8	14.9	3.10	3.10	2.16			
Saturday, March 23, 2019	3/23/19 9:45	24:00	1.00				0.00	0.00	1.83			
Sunday, March 24, 2019	3/24/19 9:45	24:00	1.00				0.00	0.00	1.73			
Monday, March 25, 2019	3/25/19 9:45	24:00	1.00	215.29	19,752.8	27.0	5.61	5.61	1.83			
Tuesday, March 26, 2019	3/26/19 9:45	24:00	1.00	215.42	19,769.4	16.6	3.45	3.45	1.85			
Wednesday, March 27, 2019	3/27/19 9:45	24:00	1.00	215.52	19,783.7	14.3	2.97	2.97	1.84			
Thursday, March 28, 2019	3/28/19 9:45	24:00	1.00	215.64	19,799.5	15.8	3.28	3.28	1.95			
Friday, March 29, 2019	3/29/19 9:45	24:00	1.00	215.75	19,815.2	15.7	3.26	3.26	2.06			
Saturday, March 30, 2019	3/30/19 9:45	24:00	1.00				0.00	0.00	2.06			
Sunday, March 31, 2019	3/31/19 9:45	24:00	1.00				0.00	0.00	2.06			
Monday, April 1, 2019	4/1/19 9:45	24:00	1.00	215.75	19,857.2	42.0	8.73	8.73	2.35			
Tuesday, April 2, 2019	4/2/19 9:45	24:00	1.00	216.16	19,862.9	5.7	1.19	1.19	1.92			
Wednesday, April 3, 2019	4/3/19 9:45	24:00	1.00	216.28	19,879.4	16.5	3.43	3.43	2.03			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Thursday, April 4, 2019	4/4/19 9:45	24:00	1.00	216.38	19,892.7	13.3	2.77	2.77	2.13		
	Friday, April 5, 2019	4/5/19 9:45	24:00	1.00	216.48	19,906.1	13.4	2.79	2.79	2.22		
	Saturday, April 6, 2019	4/6/19 9:45	24:00	1.00				0.00	0.00	2.06		
	Sunday, April 7, 2019	4/7/19 9:45	24:00	1.00				0.00	0.00	1.95		
	Monday, April 8, 2019	4/8/19 9:45	24:00	1.00	216.81	19,952.2	46.1	9.58	9.58	2.17		
	Tuesday, April 9, 2019	4/9/19 9:45	24:00	1.00	216.95	19,970.6	18.4	3.83	3.83	2.20		
	Wednesday, April 10, 2019	4/10/19 9:45	24:00	1.00	217.06	19,986.2	15.6	3.24	3.24	2.20		
	Thursday, April 11, 2019	4/11/19 9:45	24:00	1.00	217.06	20,002.2	16.0	3.33	3.33	2.31		
	Friday, April 12, 2019	4/12/19 9:45	24:00	1.00	217.28	20,016.0	13.8	2.87	2.87	2.40		
	Saturday, April 13, 2019	4/13/19 9:45	24:00	1.00				0.00	0.00	2.17		
	Sunday, April 14, 2019	4/14/19 9:45	24:00	1.00				0.00	0.00	2.17		
	Monday, April 15, 2019	4/15/19 9:45	24:00	1.00	217.57	20,025.9	9.9	2.06	2.06	2.24		
	Tuesday, April 16, 2019	4/16/19 9:45	24:00	1.00	217.69	20,045.8	19.9	4.14	4.14	2.32		
	Wednesday, April 17, 2019	4/17/19 9:45	24:00	1.00	217.80	20,060.1	14.3	2.97	2.97	2.32		
	Thursday, April 18, 2019	4/18/19 9:45	24:00	1.00	217.92	20,076.7	16.6	3.45	3.45	2.43		
	Friday, April 19, 2019	4/19/19 9:45	24:00	1.00	218.04	20,092.7	16.0	3.33	3.33	2.54		
	Saturday, April 20, 2019	4/20/19 9:45	24:00	1.00				0.00	0.00	2.36		
	Sunday, April 21, 2019	4/21/19 9:45	24:00	1.00				0.00	0.00	2.24		
	Monday, April 22, 2019	4/22/19 9:45	24:00	1.00	218.39	20,117.3	24.6	5.11	5.11	2.31		
	Tuesday, April 23, 2019	4/23/19 9:45	24:00	1.00	218.50	20,127.7	10.4	2.16	2.16	2.27		
	Wednesday, April 24, 2019	4/24/19 9:45	24:00	1.00	218.62	20,143.4	15.7	3.26	3.26	2.27		
	Thursday, April 25, 2019	4/25/19 9:45	24:00	1.00	218.72	20,156.6	13.2	2.74	2.74	2.37		
	Friday, April 26, 2019	4/26/19 9:45	24:00	1.00	218.79	20,167.4	10.8	2.25	2.25	2.44		
	Saturday, April 27, 2019	4/27/19 9:45	24:00	1.00				0.00	0.00	2.15		
	Sunday, April 28, 2019	4/28/19 9:45	24:00	1.00				0.00	0.00	2.11		
	Monday, April 29, 2019	4/29/19 9:45	24:00	1.00	219.09	20,186.5	19.1	3.97	3.97	2.13		
	Tuesday, April 30, 2019	4/30/19 9:45	24:00	1.00	219.18	20,199.6	13.1	2.72	2.72	2.13		
	Wednesday, May 1, 2019	5/1/19 9:45	24:00	1.00	219.28	20,212.9	13.3	2.77	2.77	2.13		
	Thursday, May 2, 2019	5/2/19 9:45	24:00	1.00	219.36	20,217.9	5.0	1.04	1.04	2.16		
	Friday, May 3, 2019	5/3/19 9:45	24:00	1.00	219.49	20,233.3	15.4	3.20	3.20	2.27		
	Saturday, May 4, 2019	5/4/19 9:45	24:00	1.00				0.00	0.00	1.95		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Sunday, May 5, 2019	5/5/19 9:45	24:00	1.00				0.00	0.00	1.82		
	Monday, May 6, 2019	5/6/19 9:45	24:00	1.00	219.84	20,233.3	0.0	0.00	0.00	1.71		
	Tuesday, May 7, 2019	5/7/19 9:45	24:00	1.00	219.96	20,284.3	51.0	10.60	10.60	1.95		
	Wednesday, May 8, 2019	5/8/19 9:45	24:00	1.00	220.07	20,294.6	10.3	2.14	2.14	1.93		
	Thursday, May 9, 2019	5/9/19 9:45	24:00	1.00	220.19	20,310.6	16.0	3.33	3.33	2.04		
	Friday, May 10, 2019	5/10/19 9:45	24:00	1.00	220.13	20,321.4	10.8	2.25	2.25	2.12		
	Saturday, May 11, 2019	5/11/19 9:45	24:00	1.00				0.00	0.00	2.05		
	Sunday, May 12, 2019	5/12/19 9:45	24:00	1.00				0.00	0.00	1.91		
	Monday, May 13, 2019	5/13/19 9:45	24:00	1.00	220.69	20,365.4	44.0	9.15	9.15	2.12		
	Tuesday, May 14, 2019	5/14/19 9:45	24:00	1.00	220.80	20,381.5	16.1	3.35	3.35	2.11		
	Wednesday, May 15, 2019	5/15/19 9:45	24:00	1.00	220.94	20,399.9	18.4	3.83	3.83	2.13		
	Thursday, May 16, 2019	5/16/19 9:45	24:00	1.00	221.08	20,416.2	16.3	3.39	3.39	2.24		
	Friday, May 17, 2019	5/17/19 9:45	24:00	1.00	221.20	20,432.4	16.2	3.37	3.37	2.35		
	Saturday, May 18, 2019	5/18/19 9:45	24:00	1.00				0.00	0.00	2.18		
	Sunday, May 19, 2019	5/19/19 9:45	24:00	1.00				0.00	0.00	2.11		
	Monday, May 20, 2019	5/20/19 9:45	24:00	1.00	221.53	20,445.4	13.0	2.70	2.70	2.09		
	Tuesday, May 21, 2019	5/21/19 9:45	24:00	1.00	221.60	20,455.9	10.5	2.18	2.18	2.07		
	Wednesday, May 22, 2019	5/22/19 9:45	24:00	1.00	221.68	20,466.3	10.4	2.16	2.16	2.07		
	Thursday, May 23, 2019	5/23/19 9:45	24:00	1.00	221.75	20,471.6	5.3	1.10	1.10	2.11		
	Friday, May 24, 2019	5/24/19 9:45	24:00	1.00	221.81	20,480.0	8.4	1.75	1.75	2.17		
	Saturday, May 25, 2019	5/25/19 9:45	24:00	1.00				0.00	0.00	2.03		
	Sunday, May 26, 2019	5/26/19 9:45	24:00	1.00				0.00	0.00	1.94		
	Monday, May 27, 2019	5/27/19 9:45	24:00	1.00				0.00	0.00	1.85		
	Tuesday, May 28, 2019	5/28/19 9:45	24:00	1.00	222.00	20,503.4	23.4	4.86	4.86	1.98		
	Wednesday, May 29, 2019	5/29/19 9:45	24:00	1.00	222.06	20,508.4	5.0	1.04	1.04	1.91		
	Thursday, May 30, 2019	5/30/19 9:45	24:00	1.00	222.12	20,515.9	7.5	1.56	1.56	1.96		
	Friday, May 31, 2019	5/31/19 9:45	24:00	1.00	222.17	20,520.9	5.0	1.04	1.04	1.99		
	Saturday, June 1, 2019	6/1/19 9:45	24:00	1.00				0.00	0.00	1.99		
	Sunday, June 2, 2019	6/2/19 9:45	24:00	1.00				0.00	0.00	1.64		
	Monday, June 3, 2019	6/3/19 9:45	24:00	1.00	222.29	20,534.2	13.3	2.77	2.77	1.66		
	Tuesday, June 4, 2019	6/4/19 9:45	24:00	1.00	222.32	20,539.2	5.0	1.04	1.04	1.58		

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2019 LEAKAGE RATE MEASUREMENTS
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DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
		6/5/19 9:45	24:00	1.00	222.36	20,541.8	2.6	0.54	0.54	1.53		
Thursday, June 6, 2019		6/6/19 9:45	24:00	1.00	222.40	20,546.9	5.1	1.06	1.06	1.56		
Friday, June 7, 2019		6/7/19 9:45	24:00	1.00	222.44	20,549.5	2.6	0.54	0.54	1.58		
Saturday, June 8, 2019		6/8/19 9:45	24:00	1.00				0.00	0.00	1.28		
Sunday, June 9, 2019		6/9/19 9:45	24:00	1.00				0.00	0.00	1.16		
Monday, June 10, 2019		6/10/19 9:45	24:00	1.00	222.54	20,562.8	13.3	2.77	2.77	1.13		
Tuesday, June 11, 2019		6/11/19 9:45	24:00	1.00	222.55	20,562.8	0.0	0.00	0.00	1.02		
Wednesday, June 12, 2019		6/12/19 9:45	24:00	1.00	222.54	20,562.0	0.0	0.00	0.00	0.90		
Thursday, June 13, 2019		6/13/19 9:45	24:00	1.00	222.65	20,568.0	6.0	1.25	1.25	0.95		
Friday, June 14, 2019		6/14/19 9:45	24:00	1.00	222.65	20,570.5	2.5	0.52	0.52	0.96		
Saturday, June 15, 2019		6/15/19 9:45	24:00	1.00				0.00	0.00	0.87		
Sunday, June 16, 2019		6/16/19 9:45	24:00	1.00				0.00	0.00	0.80		
Monday, June 17, 2019		6/17/19 9:45	24:00	1.00	222.76	20,575.7	5.2	1.08	1.08	0.76		
Tuesday, June 18, 2019		6/18/19 9:45	24:00	1.00	222.82	20,578.6	2.9	0.60	0.60	0.75		
Wednesday, June 19, 2019		6/19/19 9:45	24:00	1.00	222.88	20,578.6	0.0	0.00	0.00	0.69		
Thursday, June 20, 2019		6/20/19 9:45	24:00	1.00	222.94	20,586.4	7.8	1.62	1.62	0.74		
Friday, June 21, 2019		6/21/19 9:45	24:00	1.00	222.99	20,594.3	7.9	1.64	1.64	0.80		
Saturday, June 22, 2019		6/22/19 9:45	24:00	1.00				0.00	0.00	0.80		
Sunday, June 23, 2019		6/23/19 9:45	24:00	1.00				0.00	0.00	0.64		
Monday, June 24, 2019		6/24/19 9:45	24:00	1.00	223.36	20,633.8	39.5	8.21	8.21	0.87		
Tuesday, June 25, 2019		6/25/19 9:45	24:00	1.00	223.43	20,644.2	10.4	2.16	2.16	0.89		
Wednesday, June 26, 2019		6/26/19 9:45	24:00	1.00	223.51	20,651.9	7.7	1.60	1.60	0.91		
Thursday, June 27, 2019		6/27/19 9:45	24:00	1.00	223.51	20,660.1	8.2	1.70	1.70	0.97		
Friday, June 28, 2019		6/28/19 9:45	24:00	1.00	223.65	20,670.7	10.6	2.20	2.20	1.04		
Saturday, June 29, 2019		6/29/19 9:45	24:00	1.00				0.00	0.00	0.95		
Sunday, June 30, 2019		6/30/19 9:45	24:00	1.00				0.00	0.00	0.92		
Monday, July 1, 2019		7/1/19 9:45	24:00	1.00	223.74	20,683.5	12.8	2.66	2.66	0.99		
Tuesday, July 2, 2019		7/2/19 9:45	24:00	1.00	223.78	20,688.7	5.2	1.08	1.08	0.99		
Wednesday, July 3, 2019		7/3/19 9:45	24:00	1.00	223.80	20,691.2	2.5	0.52	0.52	0.99		
Thursday, July 4, 2019		7/4/19 9:45	24:00	1.00	223.80	20,691.2	0.0	0.00	0.00	0.99		
Friday, July 5, 2019		7/5/19 9:45	24:00	1.00	223.81	20,693.5	2.3	0.48	0.48	1.00		

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DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Saturday, July 6, 2019	7/6/19 9:45	24:00	1.00				0.00	0.00	0.91		
	Sunday, July 7, 2019	7/7/19 9:45	24:00	1.00				0.00	0.00	0.91		
	Monday, July 8, 2019	7/8/19 9:45	24:00	1.00	223.81	20,693.5	0.0	0.00	0.00	0.91		
	Tuesday, July 9, 2019	7/9/19 9:45	24:00	1.00	223.90	20,693.5	0.0	0.00	0.00	0.87		
	Wednesday, July 10, 2019	7/10/19 9:45	24:00	1.00	223.92	20,708.4	14.9	3.10	3.10	0.96		
	Thursday, July 11, 2019	7/11/19 9:45	24:00	1.00	223.92	20,710.9	2.5	0.52	0.52	0.97		
	Friday, July 12, 2019	7/12/19 9:45	24:00	1.00	223.96	20,713.5	2.6	0.54	0.54	0.99		
	Saturday, July 13, 2019	7/13/19 9:45	24:00	1.00				0.00	0.00	0.95		
	Sunday, July 14, 2019	7/14/19 9:45	24:00	1.00				0.00	0.00	0.93		
	Monday, July 15, 2019	7/15/19 9:45	24:00	1.00	223.99	20,717.7	4.2	0.87	0.87	0.96		
	Tuesday, July 16, 2019	7/16/19 9:45	24:00	1.00	224.01	20,720.9	3.2	0.67	0.67	0.93		
	Wednesday, July 17, 2019	7/17/19 9:45	24:00	1.00	224.02	20,720.9	0.0	0.00	0.00	0.88		
	Thursday, July 18, 2019	7/18/19 9:45	24:00	1.00	224.05	20,723.3	2.4	0.50	0.50	0.89		
	Friday, July 19, 2019	7/19/19 9:45	24:00	1.00	224.08	20,731.0	7.7	1.60	1.60	0.95		
	Saturday, July 20, 2019	7/20/19 9:45	24:00	1.00				0.00	0.00	0.67		
	Sunday, July 21, 2019	7/21/19 9:45	24:00	1.00				0.00	0.00	0.60		
	Monday, July 22, 2019	7/22/19 9:45	24:00	1.00	224.16	20,743.6	12.6	2.62	2.62	0.64		
	Tuesday, July 23, 2019	7/23/19 9:45	24:00	1.00	224.19	20,746.0	2.4	0.50	0.50	0.60		
	Wednesday, July 24, 2019	7/24/19 9:45	24:00	1.00	224.30	20,759.0	13.0	2.70	2.70	0.61		
	Thursday, July 25, 2019	7/25/19 9:45	24:00	1.00	224.39	20,761.5	2.5	0.52	0.52	0.63		
	Friday, July 26, 2019	7/26/19 9:45	24:00	1.00	224.44	20,780.1	18.6	3.87	3.87	0.76		
	Saturday, July 27, 2019	7/27/19 9:45	24:00	1.00				0.00	0.00	0.67		
	Sunday, July 28, 2019	7/28/19 9:45	24:00	1.00				0.00	0.00	0.63		
	Monday, July 29, 2019	7/29/19 9:45	24:00	1.00	224.53	20,792.3	12.2	2.54	2.54	0.70		
	Tuesday, July 30, 2019	7/30/19 9:45	24:00	1.00	224.57	20,797.2	4.9	1.02	1.02	0.73		
	Wednesday, July 31, 2019	7/31/19 9:45	24:00	1.00	224.59	20,799.6	2.4	0.50	0.50	0.74		
	Thursday, August 1, 2019	8/1/19 9:45	24:00	1.00	224.60	20,802.0	2.4	0.50	0.50	0.75		
	Friday, August 2, 2019	8/2/19 9:45	24:00	1.00	224.62	20,804.4	2.4	0.50	0.50	0.77		
	Saturday, August 3, 2019	8/3/19 9:45	24:00	1.00				0.00	0.00	0.77		
	Sunday, August 4, 2019	8/4/19 9:45	24:00	1.00				0.00	0.00	0.77		
	Monday, August 5, 2019	8/5/19 9:45	24:00	1.00	224.67	20,811.7	7.3	1.52	1.52	0.72		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Tuesday, August 6, 2019	8/6/19 9:45	24:00	1.00	224.67	20,811.7	0.0	0.00	0.00	0.70		
	Wednesday, August 7, 2019	8/7/19 9:45	24:00	1.00	224.69	20,811.7	0.0	0.00	0.00	0.68		
	Thursday, August 8, 2019	8/8/19 9:45	24:00	1.00	244.69	20,811.7	0.0	0.00	0.00	0.68		
	Friday, August 9, 2019	8/9/19 9:45	24:00	1.00	244.73	20,818.9	7.2	1.50	1.50	0.73		
	Saturday, August 10, 2019	8/10/19 9:45	24:00	1.00				0.00	0.00	0.70		
	Sunday, August 11, 2019	8/11/19 9:45	24:00	1.00				0.00	0.00	0.68		
	Monday, August 12, 2019	8/12/19 9:45	24:00	1.00	244.87	20,838.4	19.5	4.05	4.05	0.81		
	Tuesday, August 13, 2019	8/13/19 9:45	24:00	1.00	244.90	20,843.2	4.8	1.00	1.00	0.83		
	Wednesday, August 14, 2019	8/14/19 9:45	24:00	1.00	224.92	20,845.7	2.5	0.52	0.52	0.79		
	Thursday, August 15, 2019	8/15/19 9:45	24:00	1.00	224.94	20,848.1	2.4	0.50	0.50	0.81		
	Friday, August 16, 2019	8/16/19 9:45	24:00	1.00	224.95	20,850.5	2.4	0.50	0.50	0.83		
	Saturday, August 17, 2019	8/17/19 9:45	24:00	1.00				0.00	0.00	0.74		
	Sunday, August 18, 2019	8/18/19 9:45	24:00	1.00				0.00	0.00	0.72		
	Monday, August 19, 2019	8/19/19 9:45	24:00	1.00	225.26	20,892.2	41.7	8.67	8.67	0.92		
	Tuesday, August 20, 2019	8/20/19 9:45	24:00	1.00	225.44	20,916.7	24.5	5.09	5.09	1.08		
	Wednesday, August 21, 2019	8/21/19 9:45	24:00	1.00	225.59	20,934.1	17.4	3.62	3.62	1.07		
	Thursday, August 22, 2019	8/22/19 9:45	24:00	1.00	225.69	20,951.0	16.9	3.51	3.51	1.18		
	Friday, August 23, 2019	8/23/19 9:45	24:00	1.00	225.79	20,963.1	12.1	2.52	2.52	1.27		
	Saturday, August 24, 2019	8/24/19 9:45	24:00	1.00				0.00	0.00	1.18		
	Sunday, August 25, 2019	8/25/19 9:45	24:00	1.00				0.00	0.00	1.15		
	Monday, August 26, 2019	8/26/19 9:45	24:00	1.00	225.97	20,987.6	24.5	5.09	5.09	1.30		
	Tuesday, August 27, 2019	8/27/19 9:45	24:00	1.00	225.99	20,987.6	0.0	0.00	0.00	1.29		
	Wednesday, August 28, 2019	8/28/19 9:45	24:00	1.00	228.02	20,987.6	0.0	0.00	0.00	1.27		
	Thursday, August 29, 2019	8/29/19 9:45	24:00	1.00	228.02	20,999.6	12.0	2.49	2.49	1.35		
	Friday, August 30, 2019	8/30/19 9:45	24:00	1.00	228.08	21,001.9	2.3	0.48	0.48	1.37		
	Saturday, August 31, 2019	8/31/19 9:45	24:00	1.00				0.00	0.00	1.32		
	Sunday, September 1, 2019	9/1/19 9:45	24:00	1.00				0.00	0.00	1.32		
	Monday, September 2, 2019	9/2/19 9:45	24:00	1.00				0.00	0.00	1.32		
	Tuesday, September 3, 2019	9/3/19 9:45	24:00	1.00	228.25	21,001.9	0.0	0.00	0.00	1.32		
	Wednesday, September 4, 2019	9/4/19 9:45	24:00	1.00	226.39	21,042.6	40.7	8.46	8.46	1.55		
	Thursday, September 5, 2019	9/5/19 9:45	24:00	1.00	226.51	21,059.5	16.9	3.51	3.51	1.67		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, September 6, 2019	9/6/19 9:45	24:00	1.00	226.60	21,071.7	12.2	2.54	2.54	1.75			
Saturday, September 7, 2019	9/7/19 9:45	24:00	1.00				0.00	0.00	1.62			
Sunday, September 8, 2019	9/8/19 9:45	24:00	1.00				0.00	0.00	1.58			
Monday, September 9, 2019	9/9/19 9:45	24:00	1.00	226.79	21,096.0	24.3	5.05	5.05	1.73			
Tuesday, September 10, 2019	9/10/19 9:45	24:00	1.00	226.83	21,100.8	4.8	1.00	1.00	1.75			
Wednesday, September 11, 2019	9/11/19 9:45	24:00	1.00	226.85	21,103.2	2.4	0.50	0.50	1.75			
Thursday, September 12, 2019	9/12/19 9:45	24:00	1.00	226.85	21,108.0	4.8	1.00	1.00	1.78			
Friday, September 13, 2019	9/13/19 9:45	24:00	1.00	226.90	21,110.3	2.3	0.48	0.48	1.80			
Saturday, September 14, 2019	9/14/19 9:45	24:00	1.00				0.00	0.00	1.51			
Sunday, September 15, 2019	9/15/19 9:45	24:00	1.00				0.00	0.00	1.34			
Monday, September 16, 2019	9/16/19 9:45	24:00	1.00	226.95	21,117.5	7.2	1.50	1.50	1.27			
Tuesday, September 17, 2019	9/17/19 9:45	24:00	1.00	226.97	21,119.9	2.4	0.50	0.50	1.17			
Wednesday, September 18, 2019	9/18/19 9:45	24:00	1.00	226.99	21,119.9	0.0	0.00	0.00	1.09			
Thursday, September 19, 2019	9/19/19 9:45	24:00	1.00	226.99	21,119.9	0.0	0.00	0.00	1.09			
Friday, September 20, 2019	9/20/19 9:45	24:00	1.00	227.00	21,119.9	0.0	0.00	0.00	1.09			
Saturday, September 21, 2019	9/21/19 9:45	24:00	1.00				0.00	0.00	0.92			
Sunday, September 22, 2019	9/22/19 9:45	24:00	1.00				0.00	0.00	0.92			
Monday, September 23, 2019	9/23/19 9:45	24:00	1.00	227.01	21,127.1	7.2	1.50	1.50	0.97			
Tuesday, September 24, 2019	9/24/19 9:45	24:00	1.00	227.04	21,127.1	0.0	0.00	0.00	0.88			
Wednesday, September 25, 2019	9/25/19 9:45	24:00	1.00	227.07	21,132.8	5.7	1.19	1.19	0.91			
Thursday, September 26, 2019	9/26/19 9:45	24:00	1.00	227.11	21,132.8	0.0	0.00	0.00	0.91			
Friday, September 27, 2019	9/27/19 9:45	24:00	1.00	227.11	21,139.0	6.2	1.29	1.29	0.95			
Saturday, September 28, 2019	9/28/19 9:45	24:00	1.00				0.00	0.00	0.95			
Sunday, September 29, 2019	9/29/19 9:45	24:00	1.00				0.00	0.00	0.95			
Monday, September 30, 2019	9/30/19 9:45	24:00	1.00	227.18	21,139.0	0.0	0.00	0.00	0.67			
Tuesday, October 1, 2019	10/1/19 9:45	24:00	1.00	227.19	21,148.4	9.4	1.95	1.95	0.62			
Wednesday, October 2, 2019	10/2/19 9:45	24:00	1.00	227.21	21,150.8	2.4	0.50	0.50	0.55			
Thursday, October 3, 2019	10/3/19 9:45	24:00	1.00	227.21	21,150.8	0.0	0.00	0.00	0.55			
Friday, October 4, 2019	10/4/19 9:45	24:00	1.00	227.25	21,155.6	4.8	1.00	1.00	0.58			
Saturday, October 5, 2019	10/5/19 9:45	24:00	1.00				0.00	0.00	0.41			
Sunday, October 6, 2019	10/6/19 9:45	24:00	1.00				0.00	0.00	0.38			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, October 7, 2019	10/7/19 9:45	24:00	1.00	227.42	21,179.4	23.8	4.95	4.95	0.53			
Tuesday, October 8, 2019	10/8/19 9:45	24:00	1.00	227.52	21,193.8	14.4	2.99	2.99	0.59			
Wednesday, October 9, 2019	10/9/19 9:45	24:00	1.00	227.68	21,213.0	19.2	3.99	3.99	0.71			
Thursday, October 10, 2019	10/10/19 9:45	24:00	1.00	227.80	21,229.5	16.5	3.43	3.43	0.83			
Friday, October 11, 2019	10/11/19 9:45	24:00	1.00	227.89	21,229.5	0.0	0.00	0.00	0.83			
Saturday, October 12, 2019	10/12/19 9:45	24:00	1.00				0.00	0.00	0.78			
Sunday, October 13, 2019	10/13/19 9:45	24:00	1.00				0.00	0.00	0.76			
Monday, October 14, 2019	10/14/19 9:45	24:00	1.00				0.00	0.00	0.76			
Tuesday, October 15, 2019	10/15/19 9:45	24:00	1.00	228.13	21,274.7	45.2	9.40	9.40	1.07			
Wednesday, October 16, 2019	10/16/19 9:45	24:00	1.00	228.16	21,279.5	4.8	1.00	1.00	1.11			
Thursday, October 17, 2019	10/17/19 9:45	24:00	1.00	228.25	21,284.4	4.9	1.02	1.02	1.14			
Friday, October 18, 2019	10/18/19 9:45	24:00	1.00	228.33	21,303.5	19.1	3.97	3.97	1.27			
Saturday, October 19, 2019	10/19/19 9:45	24:00	1.00				0.00	0.00	1.22			
Sunday, October 20, 2019	10/20/19 9:45	24:00	1.00				0.00	0.00	1.22			
Monday, October 21, 2019	10/21/19 9:45	24:00	1.00	228.81	21,356.2	52.7	10.96	10.96	1.55			
Tuesday, October 22, 2019	10/22/19 9:45	24:00	1.00	228.91	21,368.1	11.9	2.47	2.47	1.63			
Wednesday, October 23, 2019	10/23/19 9:45	24:00	1.00	229.02	21,373.0	4.9	1.02	1.02	1.62			
Thursday, October 24, 2019	10/24/19 9:45	24:00	1.00	229.16	21,399.9	26.9	5.59	5.59	1.81			
Friday, October 25, 2019	10/25/19 9:45	24:00	1.00	229.30			0.00	0.00	1.81			
Saturday, October 26, 2019	10/26/19 9:45	24:00	1.00				0.00	0.00	1.81			
Sunday, October 27, 2019	10/27/19 9:45	24:00	1.00				0.00	0.00	1.74			
Monday, October 28, 2019	10/28/19 9:45	24:00	1.00	229.65	21,435.9	36.0	7.48	7.48	1.98			
Tuesday, October 29, 2019	10/29/19 9:45	24:00	1.00	229.80	21,435.9	0.0	0.00	0.00	1.98			
Wednesday, October 30, 2019	10/30/19 9:45	24:00	1.00	229.94	21,467.8	31.9	6.63	6.63	2.16			
Thursday, October 31, 2019	10/31/19 9:45	24:00	1.00	230.04	21,472.7	4.9	1.02	1.02	2.20			
Friday, November 1, 2019	11/1/19 9:45	24:00	1.00	230.19	21,492.1	19.4	4.03	4.03	2.33			
Saturday, November 2, 2019	11/2/19 9:45	24:00	1.00				0.00	0.00	2.17			
Sunday, November 3, 2019	11/3/19 9:45	24:00	1.00				0.00	0.00	2.07			
Monday, November 4, 2019	11/4/19 9:45	24:00	1.00	230.61	21,550.8	58.7	12.20	12.20	2.34			
Tuesday, November 5, 2019	11/5/19 9:45	24:00	1.00	230.72	21,563.6	12.8	2.66	2.66	2.32			
Wednesday, November 6, 2019	11/6/19 9:45	24:00	1.00	230.81	21,578.0	14.4	2.99	2.99	2.42			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Thursday, November 7, 2019	11/7/19 9:45	24:00	1.00	230.90	21,590.4	12.4	2.58	2.58	2.50		
	Friday, November 8, 2019	11/8/19 9:45	24:00	1.00	230.98	21,600.7	10.3	2.14	2.14	2.57		
	Saturday, November 9, 2019	11/9/19 9:45	24:00	1.00				0.00	0.00	2.57		
	Sunday, November 10, 2019	11/10/19 9:45	24:00	1.00				0.00	0.00	2.26		
	Monday, November 11, 2019	11/11/19 9:45	24:00	1.00				0.00	0.00	2.23		
	Tuesday, November 12, 2019	11/12/19 9:45	24:00	1.00	231.28	21,624.2	23.5	4.89	4.89	2.35		
	Wednesday, November 13, 2019	11/13/19 9:45	24:00	1.00	231.36	21,634.7	10.5	2.18	2.18	2.30		
	Thursday, November 14, 2019	11/14/19 9:45	24:00	1.00	231.44	21,645.5	10.8	2.25	2.25	2.37		
	Friday, November 15, 2019	11/15/19 9:45	24:00	1.00	231.52	21,656.2	10.7	2.22	2.22	2.44		
	Saturday, November 16, 2019	11/16/19 9:45	24:00	1.00				0.00	0.00	2.08		
	Sunday, November 17, 2019	11/17/19 9:45	24:00	1.00				0.00	0.00	2.00		
	Monday, November 18, 2019	11/18/19 9:45	24:00	1.00	231.84	21,700.5	44.3	9.21	9.21	2.27		
	Tuesday, November 19, 2019	11/19/19 9:45	24:00	1.00	231.97	21,718.5	18.0	3.74	3.74	2.21		
	Wednesday, November 20, 2019	11/20/19 9:45	24:00	1.00	232.08	21,733.1	14.6	3.04	3.04	2.31		
	Thursday, November 21, 2019	11/21/19 9:45	24:00	1.00	232.20	21,749.7	16.6	3.45	3.45	2.42		
	Friday, November 22, 2019	11/22/19 9:45	24:00	1.00	232.29	21,762.6	12.9	2.68	2.68	2.51		
	Saturday, November 23, 2019	11/23/19 9:45	24:00	1.00				0.00	0.00	2.26		
	Sunday, November 24, 2019	11/24/19 9:45	24:00	1.00				0.00	0.00	2.26		
	Monday, November 25, 2019	11/25/19 9:45	24:00	1.00	232.56	21,799.9	37.3	7.75	7.75	2.30		
	Tuesday, November 26, 2019	11/26/19 9:45	24:00	1.00	232.63	21,809.8	9.9	2.06	2.06	2.34		
	Wednesday, November 27, 2019	11/27/19 9:45	24:00	1.00	232.63	21,819.7	9.9	2.06	2.06	2.27		
	Thursday, November 28, 2019	11/28/19 9:45	24:00	1.00	232.63	21,839.8	20.1	4.18	4.18	2.41		
	Friday, November 29, 2019	11/29/19 9:45	24:00	1.00	232.63	21,839.8	0.0	0.00	0.00	2.41		
	Saturday, November 30, 2019	11/30/19 9:45	24:00	1.00				0.00	0.00	2.00		
	Sunday, December 1, 2019	12/1/19 9:45	24:00	1.00				0.00	0.00	1.91		
	Monday, December 2, 2019	12/2/19 9:45	24:00	1.00	233.05	21,862.0	22.2	4.62	4.62	1.97		
	Tuesday, December 3, 2019	12/3/19 9:45	24:00	1.00	233.15	21,878.3	16.3	3.39	3.39	2.00		
	Wednesday, December 4, 2019	12/4/19 9:45	24:00	1.00	233.24	21,893.7	15.4	3.20	3.20	2.03		
	Thursday, December 5, 2019	12/5/19 9:45	24:00	1.00	233.35	21,908.7	15.0	3.12	3.12	2.13		
	Friday, December 6, 2019	12/6/19 9:45	24:00	1.00	233.46	21,924.5	15.8	3.28	3.28	2.24		
	Saturday, December 7, 2019	12/7/19 9:45	24:00	1.00				0.00	0.00	2.24		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE ELEVEN (LTMH-11)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.81 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, December 8, 2019	12/8/19 9:45	24:00	1.00					0.00	0.00	2.08		
Monday, December 9, 2019	12/9/19 9:45	24:00	1.00		233.46	21,973.9	49.4	10.27	10.27	2.35		
Tuesday, December 10, 2019	12/10/19 9:45	24:00	1.00		233.95	21,992.0	18.1	3.76	3.76	2.40		
Wednesday, December 11, 2019	12/11/19 9:45	24:00	1.00		234.09	22,010.3	18.3	3.80	3.80	2.45		
Thursday, December 12, 2019	12/12/19 9:45	24:00	1.00		234.20	22,027.0	16.7	3.47	3.47	2.57		
Friday, December 13, 2019	12/13/19 9:45	24:00	1.00		234.33	22,031.0	4.0	0.83	0.83	2.60		
Saturday, December 14, 2019	12/14/19 9:45	24:00	1.00					0.00	0.00	2.29		
Sunday, December 15, 2019	12/15/19 9:45	24:00	1.00					0.00	0.00	2.17		
Monday, December 16, 2019	12/16/19 9:45	24:00	1.00		234.66	22,077.5	46.5	9.67	9.67	2.39		
Tuesday, December 17, 2019	12/17/19 9:45	24:00	1.00		231.79	22,095.3	17.8	3.70	3.70	2.40		
Wednesday, December 18, 2019	12/18/19 9:45	24:00	1.00		234.91	22,111.9	16.6	3.45	3.45	2.42		
Thursday, December 19, 2019	12/19/19 9:45	24:00	1.00		235.00	22,124.9	13.0	2.70	2.70	2.51		
Friday, December 20, 2019	12/20/19 9:45	24:00	1.00		235.12	22,140.4	15.5	3.22	3.22	2.62		
Saturday, December 21, 2019	12/21/19 9:45	24:00	1.00					0.00	0.00	2.36		
Sunday, December 22, 2019	12/22/19 9:45	24:00	1.00					0.00	0.00	2.29		
Monday, December 23, 2019	12/23/19 9:45	24:00	1.00		235.39	22,169.8	29.4	6.11	6.11	2.43		
Tuesday, December 24, 2019	12/24/19 9:45	24:00	1.00		235.50	22,169.8	0.0	0.00	0.00	2.29		
Wednesday, December 25, 2019	12/25/19 9:45	24:00	1.00		235.74	22,169.8	0.0	0.00	0.00	2.29		
Thursday, December 26, 2019	12/26/19 9:45	24:00	1.00		235.74	22,169.8	0.0	0.00	0.00	2.29		
Friday, December 27, 2019	12/27/19 9:45	24:00	1.00		235.87	22,169.8	0.0	0.00	0.00	2.29		
Saturday, December 28, 2019	12/28/19 9:45	24:00	1.00					0.00	0.00	2.13		
Sunday, December 29, 2019	12/29/19 9:45	24:00	1.00					0.00	0.00	2.02		
Monday, December 30, 2019	12/30/19 9:45	24:00	1.00		238.21	22,169.8	0.0	0.00	0.00	1.91		
Tuesday, December 31, 2019	12/31/19 9:45	24:00	1.00		236.32	22,169.8	0.0	0.00	0.00	1.81		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019		1/1/19 9:45	24:00:00	1.00	23.00	91369.00	0.0	0.00	0.00	34.28		
Wednesday, January 2, 2019		1/2/19 9:45	24:00:00	1.00	23.00	91838.00	469.0	97.71	97.71	32.76		
Thursday, January 3, 2019		1/3/19 9:45	24:00:00	1.00	23.20	92006.00	168.0	35.00	35.00	32.30		
Friday, January 4, 2019		1/4/19 9:45	24:00:00	1.00	23.30	92155.00	149.0	31.04	31.04	31.99		
Saturday, January 5, 2019		1/5/19 9:45	24:00:00	1.00					0.00	30.96		
Sunday, January 6, 2019		1/6/19 9:45	24:00:00	1.00					0.00	30.22		
Monday, January 7, 2019		1/7/19 9:45	24:00:00	1.00	23.40	92512.00	357.0	74.38	74.38	32.69		
Tuesday, January 8, 2019		1/8/19 9:45	24:00:00	1.00	23.50	92682.00	170.0	35.42	35.42	33.88		
Wednesday, January 9, 2019		1/9/19 9:45	24:00:00	1.00	23.50	92916.00	234.0	48.75	48.75	33.42		
Thursday, January 10, 2019		1/10/19 9:45	24:00:00	1.00	23.60	93194.00	233.0	48.54	48.54	34.60		
Friday, January 11, 2019		1/11/19 9:45	24:00:00	1.00	23.70	93427.00	233.0	48.54	48.54	35.63		
Saturday, January 12, 2019		1/12/19 9:45	24:00:00	1.00					0.00	35.18		
Sunday, January 13, 2019		1/13/19 9:45	24:00:00	1.00					0.00	34.73		
Monday, January 14, 2019		1/14/19 9:45	24:00:00	1.00	23.80	93813.00	386.0	80.42	80.42	37.41		
Tuesday, January 15, 2019		1/15/19 9:45	24:00:00	1.00	23.90	93901.00	88.0	18.33	18.33	38.02		
Wednesday, January 16, 2019		1/16/19 9:45	24:00:00	1.00	23.90	93986.00	85.0	17.71	17.71	35.94		
Thursday, January 17, 2019		1/17/19 9:45	24:00:00	1.00	23.90	94071.00	85.0	17.71	17.71	35.64		
Friday, January 18, 2019		1/18/19 9:45	24:00:00	1.00	24.00	94136.00	65.0	13.54	13.54	35.50		
Saturday, January 19, 2019		1/19/19 9:45	24:00:00	1.00					0.00	34.75		
Sunday, January 20, 2019		1/20/19 9:45	24:00:00	1.00					0.00	34.01		
Monday, January 21, 2019		1/21/19 9:45	24:00:00	1.00					0.00	34.01		
Tuesday, January 22, 2019		1/22/19 9:45	24:00:00	1.00	24.00	94372.00	236.0	49.17	49.17	35.65		
Wednesday, January 23, 2019		1/23/19 9:45	24:00:00	1.00	24.00	94415.00	43.0	8.96	8.96	30.45		
Thursday, January 24, 2019		1/24/19 9:45	24:00:00	1.00	24.10	94524.00	109.0	22.71	22.71	31.21		
Friday, January 25, 2019		1/25/19 9:45	24:00:00	1.00	24.20	94864.00	340.0	70.83	70.83	30.77		
Saturday, January 26, 2019		1/26/19 9:45	24:00:00	1.00					0.00	30.02		
Sunday, January 27, 2019		1/27/19 9:45	24:00:00	1.00					0.00	28.83		
Monday, January 28, 2019		1/28/19 9:45	24:00:00	1.00	24.40	95445.00	581.0	121.04	121.04	32.87		
Tuesday, January 29, 2019		1/29/19 9:45	24:00:00	1.00	24.40	95531.00	86.0	17.92	17.92	33.47		
Wednesday, January 30, 2019		1/30/19 9:45	24:00:00	1.00	24.40	95617.00	86.0	17.92	17.92	29.19		
Thursday, January 31, 2019		1/31/19 9:45	24:00:00	1.00	24.50	95680.00	63.0	13.13	13.13	29.63		
Friday, February 1, 2019		2/1/19 9:45	24:00:00	1.00	24.50	95745.00	65.0	13.54	13.54	26.82		
Saturday, February 2, 2019		2/2/19 9:45	24:00:00	1.00					0.00	25.65		
Sunday, February 3, 2019		2/3/19 9:45	24:00:00	1.00					0.00	24.62		
Monday, February 4, 2019		2/4/19 9:45	24:00:00	1.00	24.60	95960.00	215.0	44.79	44.79	26.11		
Tuesday, February 5, 2019		2/5/19 9:45	24:00:00	1.00	24.70	96242.00	282.0	58.75	58.75	28.07		
Wednesday, February 6, 2019		2/6/19 9:45	24:00:00	1.00	24.70	96392.00	150.0	31.25	31.25	26.63		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, February 7, 2019		2/7/19 9:45	24:00:00	1.00	24.80	96610.00	218.0	45.42	45.42	26.97		
Friday, February 8, 2019		2/8/19 9:45	24:00:00	1.00	24.90	96846.00	236.0	49.17	49.17	26.98		
Saturday, February 9, 2019		2/9/19 9:45	24:00:00	1.00				0.00	0.00	25.36		
Sunday, February 10, 2019		2/10/19 9:45	24:00:00	1.00				0.00	0.00	23.74		
Monday, February 11, 2019		2/11/19 9:45	24:00:00	1.00	25.00	97318.00	472.0	98.33	98.33	27.02		
Tuesday, February 12, 2019		2/12/19 9:45	24:00:00	1.00	25.00	97404.00	86.0	17.92	17.92	27.62		
Wednesday, February 13, 2019		2/13/19 9:45	24:00:00	1.00	25.10	97490.00	86.0	17.92	17.92	25.53		
Thursday, February 14, 2019		2/14/19 9:45	24:00:00	1.00	25.10	97553.00	63.0	13.13	13.13	25.36		
Friday, February 15, 2019		2/15/19 9:45	24:00:00	1.00	25.10	97598.00	45.0	9.38	9.38	25.08		
Saturday, February 16, 2019		2/16/19 9:45	24:00:00	1.00			0.0	0.00	0.00	24.49		
Sunday, February 17, 2019		2/17/19 9:45	24:00:00	1.00			0.0	0.00	0.00	24.04		
Monday, February 18, 2019		2/18/19 9:45	24:00:00	1.00			0.0	0.00	0.00	24.04		
Tuesday, February 19, 2019		2/19/19 9:45	24:00:00	1.00	25.30	98074.00	476.0	99.17	99.17	27.35		
Wednesday, February 20, 2019		2/20/19 9:45	24:00:00	1.00	25.30	98139.00	65.0	13.54	13.54	27.80		
Thursday, February 21, 2019		2/21/19 9:45	24:00:00	1.00	25.30	98204.00	65.0	13.54	13.54	26.61		
Friday, February 22, 2019		2/22/19 9:45	24:00:00	1.00	25.30	98335.00	131.0	27.29	27.29	27.22		
Saturday, February 23, 2019		2/23/19 9:45	24:00:00	1.00				0.00	0.00	26.47		
Sunday, February 24, 2019		2/24/19 9:45	24:00:00	1.00				0.00	0.00	24.10		
Monday, February 25, 2019		2/25/19 9:45	24:00:00	1.00	25.50	98855.00	520.0	108.33	108.33	27.72		
Tuesday, February 26, 2019		2/26/19 9:45	24:00:00	1.00	25.60	99051.00	196.0	40.83	40.83	29.08		
Wednesday, February 27, 2019		2/27/19 9:45	24:00:00	1.00	25.60	99137.00	86.0	17.92	17.92	25.64		
Thursday, February 28, 2019		2/28/19 9:45	24:00:00	1.00	25.70	99244.00	107.0	22.29	22.29	25.78		
Friday, March 1, 2019		3/1/19 9:45	24:00:00	1.00	25.70	99309.00	65.0	13.54	13.54	25.64		
Saturday, March 2, 2019		3/2/19 9:45	24:00:00	1.00				0.00	0.00	25.20		
Sunday, March 3, 2019		3/3/19 9:45	24:00:00	1.00				0.00	0.00	24.75		
Monday, March 4, 2019		3/4/19 9:45	24:00:00	1.00	25.70	99481.00	172.0	35.83	35.83	25.94		
Tuesday, March 5, 2019		3/5/19 9:45	24:00:00	1.00	25.70	99524.00	43.0	8.96	8.96	26.24		
Wednesday, March 6, 2019		3/6/19 9:45	24:00:00	1.00	25.80	99567.00	43.0	8.96	8.96	25.05		
Thursday, March 7, 2019		3/7/19 9:45	24:00:00	1.00	25.80	99609.00	42.0	8.75	8.75	23.38		
Friday, March 8, 2019		3/8/19 9:45	24:00:00	1.00	25.90	99631.00	22.0	4.58	4.58	22.49		
Saturday, March 9, 2019		3/9/19 9:45	24:00:00	1.00				0.00	0.00	20.98		
Sunday, March 10, 2019		3/10/19 9:45	24:00:00	1.00				0.00	0.00	19.34		
Monday, March 11, 2019		3/11/19 9:45	24:00:00	1.00	25.90	99847.00	216.0	45.00	45.00	20.84		
Tuesday, March 12, 2019		3/12/19 9:45	24:00:00	1.00	25.90	100040.00	193.0	40.21	40.21	22.18		
Wednesday, March 13, 2019		3/13/19 9:45	24:00:00	1.00	25.90	100168.00	128.0	26.67	26.67	19.79		
Thursday, March 14, 2019		3/14/19 9:45	24:00:00	1.00	26.00	100277.00	109.0	22.71	22.71	19.95		
Friday, March 15, 2019		3/15/19 9:45	24:00:00	1.00	26.00	100385.00	108.0	22.50	22.50	20.10		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, March 16, 2019		3/16/19 9:45	24:00:00	1.00				0.00	0.00	19.67		
Sunday, March 17, 2019		3/17/19 9:45	24:00:00	1.00				0.00	0.00	19.35		
Monday, March 18, 2019		3/18/19 9:45	24:00:00	1.00	26.10	100794.00	409.0	85.21	85.21	22.19		
Tuesday, March 19, 2019		3/19/19 9:45	24:00:00	1.00	26.10	100879.00	85.0	17.71	17.71	22.78		
Wednesday, March 20, 2019		3/20/19 9:45	24:00:00	1.00	26.20	100965.00	86.0	17.92	17.92	23.38		
Thursday, March 21, 2019		3/21/19 9:45	24:00:00	1.00	26.20	101027.00	62.0	12.92	12.92	20.51		
Friday, March 22, 2019		3/22/19 9:45	24:00:00	1.00	26.30	101088.00	61.0	12.71	12.71	20.48		
Saturday, March 23, 2019		3/23/19 9:45	24:00:00	1.00				0.00	0.00	20.03		
Sunday, March 24, 2019		3/24/19 9:45	24:00:00	1.00				0.00	0.00	19.12		
Monday, March 25, 2019		3/25/19 9:45	24:00:00	1.00	26.40	101560.00	472.0	98.33	98.33	22.40		
Tuesday, March 26, 2019		3/26/19 9:45	24:00:00	1.00	26.50	101712.00	152.0	31.67	31.67	23.45		
Wednesday, March 27, 2019		3/27/19 9:45	24:00:00	1.00	26.50	101819.00	107.0	22.29	22.29	20.58		
Thursday, March 28, 2019		3/28/19 9:45	24:00:00	1.00	26.50	101904.00	85.0	17.71	17.71	19.81		
Friday, March 29, 2019		3/29/19 9:45	24:00:00	1.00	26.50	101967.00	63.0	13.13	13.13	19.65		
Saturday, March 30, 2019		3/30/19 9:45	24:00:00	1.00				0.00	0.00	18.91		
Sunday, March 31, 2019		3/31/19 9:45	24:00:00	1.00				0.00	0.00	18.46		
Monday, April 1, 2019		4/1/19 9:45	24:00:00	1.00	26.60	102183.00	216.0	45.00	45.00	19.96		
Tuesday, April 2, 2019		4/2/19 9:45	24:00:00	1.00	26.70	102247.00	64.0	13.33	13.33	20.40		
Wednesday, April 3, 2019		4/3/19 9:45	24:00:00	1.00	26.70	102311.00	64.0	13.33	13.33	19.65		
Thursday, April 4, 2019		4/4/19 9:45	24:00:00	1.00	26.70	102352.00	41.0	8.54	8.54	19.64		
Friday, April 5, 2019		4/5/19 9:45	24:00:00	1.00	26.70	102416.00	64.0	13.33	13.33	19.78		
Saturday, April 6, 2019		4/6/19 9:45	24:00:00	1.00				0.00	0.00	19.49		
Sunday, April 7, 2019		4/7/19 9:45	24:00:00	1.00				0.00	0.00	19.34		
Monday, April 8, 2019		4/8/19 9:45	24:00:00	1.00	26.90	102797.00	381.0	79.38	79.38	21.99		
Tuesday, April 9, 2019		4/9/19 9:45	24:00:00	1.00	26.90	102923.00	126.0	26.25	26.25	22.86		
Wednesday, April 10, 2019		4/10/19 9:45	24:00:00	1.00	26.90	103029.00	106.0	22.08	22.08	22.10		
Thursday, April 11, 2019		4/11/19 9:45	24:00:00	1.00	27.00	103115.00	86.0	17.92	17.92	21.35		
Friday, April 12, 2019		4/12/19 9:45	24:00:00	1.00	27.00	103179.00	64.0	13.33	13.33	20.91		
Saturday, April 13, 2019		4/13/19 9:45	24:00:00	1.00				0.00	0.00	20.15		
Sunday, April 14, 2019		4/14/19 9:45	24:00:00	1.00				0.00	0.00	19.40		
Monday, April 15, 2019		4/15/19 9:45	24:00:00	1.00	27.00	103306.00	127.0	26.46	26.46	20.28		
Tuesday, April 16, 2019		4/16/19 9:45	24:00:00	1.00	27.10	103499.00	193.0	40.21	40.21	21.63		
Wednesday, April 17, 2019		4/17/19 9:45	24:00:00	1.00	27.10	103626.00	127.0	26.46	26.46	19.67		
Thursday, April 18, 2019		4/18/19 9:45	24:00:00	1.00	27.20	103732.00	104.0	21.67	21.67	19.80		
Friday, April 19, 2019		4/19/19 9:45	24:00:00	1.00	27.20	103796.00	64.0	13.33	13.33	19.65		
Saturday, April 20, 2019		4/20/19 9:45	24:00:00	1.00				0.00	0.00	19.22		
Sunday, April 21, 2019		4/21/19 9:45	24:00:00	1.00				0.00	0.00	18.79		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, April 22, 2019		4/22/19 9:45	24:00:00	1.00	27.40	104304.00	508.0	105.83	105.83	22.32		
Tuesday, April 23, 2019		4/23/19 9:45	24:00:00	1.00	27.40	104387.00	83.0	17.29	17.29	22.90		
Wednesday, April 24, 2019		4/24/19 9:45	24:00:00	1.00	27.40	104472.00	85.0	17.71	17.71	20.21		
Thursday, April 25, 2019		4/25/19 9:45	24:00:00	1.00	27.40	104513.00	41.0	8.54	8.54	19.44		
Friday, April 26, 2019		4/26/19 9:45	24:00:00	1.00	27.50	104555.00	42.0	8.75	8.75	18.99		
Saturday, April 27, 2019		4/27/19 9:45	24:00:00	1.00				0.00	0.00	18.40		
Sunday, April 28, 2019		4/28/19 9:45	24:00:00	1.00				0.00	0.00	17.96		
Monday, April 29, 2019		4/29/19 9:45	24:00:00	1.00	27.50	104679.00	124.0	25.83	25.83	18.82		
Tuesday, April 30, 2019		4/30/19 9:45	24:00:00	1.00	27.50	104721.00	42.0	8.75	8.75	19.11		
Wednesday, May 1, 2019		5/1/19 9:45	24:00:00	1.00	27.50	104740.00	19.0	3.96	3.96	17.74		
Thursday, May 2, 2019		5/2/19 9:45	24:00:00	1.00	27.50	104781.00	41.0	8.54	8.54	17.58		
Friday, May 3, 2019		5/3/19 9:45	24:00:00	1.00	27.60	104843.00	62.0	12.92	12.92	17.57		
Saturday, May 4, 2019		5/4/19 9:45	24:00:00	1.00				0.00	0.00	17.28		
Sunday, May 5, 2019		5/5/19 9:45	24:00:00	1.00				0.00	0.00	16.84		
Monday, May 6, 2019		5/6/19 9:45	24:00:00	1.00	27.60	105049.00	206.0	42.92	42.92	18.27		
Tuesday, May 7, 2019		5/7/19 9:45	24:00:00	1.00	27.70	105133.00	84.0	17.50	17.50	18.85		
Wednesday, May 8, 2019		5/8/19 9:45	24:00:00	1.00	27.70	105194.00	61.0	12.71	12.71	16.63		
Thursday, May 9, 2019		5/9/19 9:45	24:00:00	1.00	27.70	105277.00	83.0	17.29	17.29	16.33		
Friday, May 10, 2019		5/10/19 9:45	24:00:00	1.00	27.70	105318.00	41.0	8.54	8.54	15.88		
Saturday, May 11, 2019		5/11/19 9:45	24:00:00	1.00				0.00	0.00	15.28		
Sunday, May 12, 2019		5/12/19 9:45	24:00:00	1.00				0.00	0.00	14.84		
Monday, May 13, 2019		5/13/19 9:45	24:00:00	1.00	27.90	105740.00	422.0	87.92	87.92	17.77		
Tuesday, May 14, 2019		5/14/19 9:45	24:00:00	1.00	27.90	105934.00	194.0	40.42	40.42	19.12		
Wednesday, May 15, 2019		5/15/19 9:45	24:00:00	1.00	27.90	106213.00	279.0	58.13	58.13	20.17		
Thursday, May 16, 2019		5/16/19 9:45	24:00:00	1.00	28.10	106385.00	172.0	35.83	35.83	20.03		
Friday, May 17, 2019		5/17/19 9:45	24:00:00	1.00	28.10	106492.00	107.0	22.29	22.29	19.89		
Saturday, May 18, 2019		5/18/19 9:45	24:00:00	1.00				0.00	0.00	19.17		
Sunday, May 19, 2019		5/19/19 9:45	24:00:00	1.00				0.00	0.00	18.72		
Monday, May 20, 2019		5/20/19 9:45	24:00:00	1.00	28.10	106641.00	149.0	31.04	31.04	19.76		
Tuesday, May 21, 2019		5/21/19 9:45	24:00:00	1.00	28.20	106682.00	41.0	8.54	8.54	20.04		
Wednesday, May 22, 2019		5/22/19 9:45	24:00:00	1.00	28.20	106703.00	21.0	4.38	4.38	16.66		
Thursday, May 23, 2019		5/23/19 9:45	24:00:00	1.00	28.20	106724.00	23.0	4.79	4.79	16.24		
Friday, May 24, 2019		5/24/19 9:45	24:00:00	1.00	28.20	106744.00	20.0	4.17	4.17	15.79		
Saturday, May 25, 2019		5/25/19 9:45	24:00:00	1.00				0.00	0.00	15.51		
Sunday, May 26, 2019		5/26/19 9:45	24:00:00	1.00				0.00	0.00	15.22		
Monday, May 27, 2019		5/27/19 9:45	24:00:00	1.00				0.00	0.00	15.22		
Tuesday, May 28, 2019		5/28/19 9:45	24:00:00	1.00	28.20	106808.00	64.0	13.33	13.33	15.66		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, May 29, 2019		5/29/19 9:45	24:00:00	1.00	28.20	106808.00	0.0	0.00	0.00	14.80		
Thursday, May 30, 2019		5/30/19 9:45	24:00:00	1.00	28.20	106829.00	21.0	4.38	4.38	14.65		
Friday, May 31, 2019		5/31/19 9:45	24:00:00	1.00	28.20	106850.00	21.0	4.38	4.38	14.67		
Saturday, June 1, 2019		6/1/19 9:45	24:00:00	1.00				0.00	0.00	14.38		
Sunday, June 2, 2019		6/2/19 9:45	24:00:00	1.00				0.00	0.00	13.95		
Monday, June 3, 2019		6/3/19 9:45	24:00:00	1.00	28.20	106871.00	21.0	4.38	4.38	14.10		
Tuesday, June 4, 2019		6/4/19 9:45	24:00:00	1.00	28.20	106892.00	21.0	4.38	4.38	14.24		
Wednesday, June 5, 2019		6/5/19 9:45	24:00:00	1.00	28.20	106892.00	0.0	0.00	0.00	12.81		
Thursday, June 6, 2019		6/6/19 9:45	24:00:00	1.00	28.20	106913.00	21.0	4.38	4.38	12.38		
Friday, June 7, 2019		6/7/19 9:45	24:00:00	1.00	28.20	106913.00	0.0	0.00	0.00	11.95		
Saturday, June 8, 2019		6/8/19 9:45	24:00:00	1.00				0.00	0.00	11.38		
Sunday, June 9, 2019		6/9/19 9:45	24:00:00	1.00				0.00	0.00	11.09		
Monday, June 10, 2019		6/10/19 9:45	24:00:00	1.00	28.30	106954.00	41.0	8.54	8.54	11.38		
Tuesday, June 11, 2019		6/11/19 9:45	24:00:00	1.00	28.30	106954.00	0.0	0.00	0.00	11.38		
Wednesday, June 12, 2019		6/12/19 9:45	24:00:00	1.00	28.30	106975.00	21.0	4.38	4.38	8.59		
Thursday, June 13, 2019		6/13/19 9:45	24:00:00	1.00	28.30	106975.00	0.0	0.00	0.00	7.24		
Friday, June 14, 2019		6/14/19 9:45	24:00:00	1.00	28.30	106996.00	21.0	4.38	4.38	5.45		
Saturday, June 15, 2019		6/15/19 9:45	24:00:00	1.00				0.00	0.00	4.26		
Sunday, June 16, 2019		6/16/19 9:45	24:00:00	1.00				0.00	0.00	3.51		
Monday, June 17, 2019		6/17/19 9:45	24:00:00	1.00	28.30	107017.00	21.0	4.38	4.38	3.66		
Tuesday, June 18, 2019		6/18/19 9:45	24:00:00	1.00	28.30	107017.00	0.0	0.00	0.00	3.66		
Wednesday, June 19, 2019		6/19/19 9:45	24:00:00	1.00	28.30	107038.00	21.0	4.38	4.38	2.77		
Thursday, June 20, 2019		6/20/19 9:45	24:00:00	1.00	28.30	107038.00	0.0	0.00	0.00	2.49		
Friday, June 21, 2019		6/21/19 9:45	24:00:00	1.00	28.40	107273.00	235.0	48.96	48.96	3.97		
Saturday, June 22, 2019		6/22/19 9:45	24:00:00	1.00				0.00	0.00	3.81		
Sunday, June 23, 2019		6/23/19 9:45	24:00:00	1.00				0.00	0.00	3.67		
Monday, June 24, 2019		6/24/19 9:45	24:00:00	1.00	28.50	107702.00	429.0	89.38	89.38	6.65		
Tuesday, June 25, 2019		6/25/19 9:45	24:00:00	1.00	28.50	107722.00	20.0	4.17	4.17	6.79		
Wednesday, June 26, 2019		6/26/19 9:45	24:00:00	1.00	28.50	107743.00	21.0	4.38	4.38	6.94		
Thursday, June 27, 2019		6/27/19 9:45	24:00:00	1.00	28.50	107763.00	20.0	4.17	4.17	6.63		
Friday, June 28, 2019		6/28/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.63		
Saturday, June 29, 2019		6/29/19 9:45	24:00:00	1.00				0.00	0.00	6.49		
Sunday, June 30, 2019		6/30/19 9:45	24:00:00	1.00				0.00	0.00	6.34		
Monday, July 1, 2019		7/1/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.34		
Tuesday, July 2, 2019		7/2/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.34		
Wednesday, July 3, 2019		7/3/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.19		
Thursday, July 4, 2019		7/4/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.05		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, July 5, 2019		7/5/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	6.05		
Saturday, July 6, 2019		7/6/19 9:45	24:00:00	1.00				0.00	0.00	5.90		
Sunday, July 7, 2019		7/7/19 9:45	24:00:00	1.00				0.00	0.00	5.90		
Monday, July 8, 2019		7/8/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	5.90		
Tuesday, July 9, 2019		7/9/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	5.90		
Wednesday, July 10, 2019		7/10/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	5.62		
Thursday, July 11, 2019		7/11/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	5.62		
Friday, July 12, 2019		7/12/19 9:45	24:00:00	1.00	28.50	107763.00	0.0	0.00	0.00	5.47		
Saturday, July 13, 2019		7/13/19 9:45	24:00:00	1.00				0.00	0.00	5.47		
Sunday, July 14, 2019		7/14/19 9:45	24:00:00	1.00				0.00	0.00	5.33		
Monday, July 15, 2019		7/15/19 9:45	24:00:00	1.00	28.50	107800.00	37.0	7.71	7.71	5.58		
Tuesday, July 16, 2019		7/16/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	5.58		
Wednesday, July 17, 2019		7/17/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	5.44		
Thursday, July 18, 2019		7/18/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	5.44		
Friday, July 19, 2019		7/19/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	5.29		
Saturday, July 20, 2019		7/20/19 9:45	24:00:00	1.00				0.00	0.00	5.29		
Sunday, July 21, 2019		7/21/19 9:45	24:00:00	1.00				0.00	0.00	3.66		
Monday, July 22, 2019		7/22/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	3.66		
Tuesday, July 23, 2019		7/23/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	3.66		
Wednesday, July 24, 2019		7/24/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	0.68		
Thursday, July 25, 2019		7/25/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	0.54		
Friday, July 26, 2019		7/26/19 9:45	24:00:00	1.00	28.50	107800.00	0.0	0.00	0.00	0.40		
Saturday, July 27, 2019		7/27/19 9:45	24:00:00	1.00				0.00	0.00	0.26		
Sunday, July 28, 2019		7/28/19 9:45	24:00:00	1.00				0.00	0.00	0.26		
Monday, July 29, 2019		7/29/19 9:45	24:00:00	1.00	28.50	107820.00	20.0	4.17	4.17	0.40		
Tuesday, July 30, 2019		7/30/19 9:45	24:00:00	1.00	28.50	107820.00	0.0	0.00	0.00	0.40		
Wednesday, July 31, 2019		7/31/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Thursday, August 1, 2019		8/1/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Friday, August 2, 2019		8/2/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Saturday, August 3, 2019		8/3/19 9:45	24:00:00	1.00				0.00	0.00	0.40		
Sunday, August 4, 2019		8/4/19 9:45	24:00:00	1.00				0.00	0.00	0.40		
Monday, August 5, 2019		8/5/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Tuesday, August 6, 2019		8/6/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Wednesday, August 7, 2019		8/7/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Thursday, August 8, 2019		8/8/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Friday, August 9, 2019		8/9/19 9:45	24:00:00	1.00	28.60	107820.00	0.0	0.00	0.00	0.40		
Saturday, August 10, 2019		8/10/19 9:45	24:00:00	1.00				0.00	0.00	0.40		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Sunday, August 11, 2019	8/11/19 9:45	24:00:00	1.00				0.00	0.00	0.40		
	Monday, August 12, 2019	8/12/19 9:45	24:00:00	1.00	28.60	107842.00	22.0	4.58	4.58	0.55		
	Tuesday, August 13, 2019	8/13/19 9:45	24:00:00	1.00	28.60	107842.00	0.0	0.00	0.00	0.55		
	Wednesday, August 14, 2019	8/14/19 9:45	24:00:00	1.00	28.60	107842.00	0.0	0.00	0.00	0.29		
	Thursday, August 15, 2019	8/15/19 9:45	24:00:00	1.00	28.60	107842.00	0.0	0.00	0.00	0.29		
	Friday, August 16, 2019	8/16/19 9:45	24:00:00	1.00	28.60	107842.00	0.0	0.00	0.00	0.29		
	Saturday, August 17, 2019	8/17/19 9:45	24:00:00	1.00				0.00	0.00	0.29		
	Sunday, August 18, 2019	8/18/19 9:45	24:00:00	1.00				0.00	0.00	0.29		
	Monday, August 19, 2019	8/19/19 9:45	24:00:00	1.00	28.70	108377.00	535.0	111.46	111.46	4.01	2.33 inches	
	Tuesday, August 20, 2019	8/20/19 9:45	24:00:00	1.00	28.80	108590.00	213.0	44.38	44.38	5.49		
	Wednesday, August 21, 2019	8/21/19 9:45	24:00:00	1.00	28.80	108672.00	82.0	17.08	17.08	6.06		
	Thursday, August 22, 2019	8/22/19 9:45	24:00:00	1.00	28.80	108713.00	41.0	8.54	8.54	6.34		
	Friday, August 23, 2019	8/23/19 9:45	24:00:00	1.00	28.90	108734.00	21.0	4.38	4.38	6.49		
	Saturday, August 24, 2019	8/24/19 9:45	24:00:00	1.00				0.00	0.00	6.49		
	Sunday, August 25, 2019	8/25/19 9:45	24:00:00	1.00				0.00	0.00	6.49		
	Monday, August 26, 2019	8/26/19 9:45	24:00:00	1.00	28.90	108776.00	42.0	8.75	8.75	6.78		
	Tuesday, August 27, 2019	8/27/19 9:45	24:00:00	1.00	28.90	108797.00	21.0	4.38	4.38	6.92		
	Wednesday, August 28, 2019	8/28/19 9:45	24:00:00	1.00	28.90	108797.00	0.0	0.00	0.00	6.78		
	Thursday, August 29, 2019	8/29/19 9:45	24:00:00	1.00	28.90	108797.00	0.0	0.00	0.00	6.78		
	Friday, August 30, 2019	8/30/19 9:45	24:00:00	1.00	28.90	108818.00	21.0	4.38	4.38	6.93		
	Saturday, August 31, 2019	8/31/19 9:45	24:00:00	1.00				0.00	0.00	6.93		
	Sunday, September 1, 2019	9/1/19 9:45	24:00:00	1.00				0.00	0.00	6.93		
	Monday, September 2, 2019	9/2/19 9:45	24:00:00	1.00				0.00	0.00	6.93		
	Tuesday, September 3, 2019	9/3/19 9:45	24:00:00	1.00	28.90	108903.00	85.0	17.71	17.71	7.52		
	Wednesday, September 4, 2019	9/4/19 9:45	24:00:00	1.00	28.90	108966.00	63.0	13.13	13.13	7.96		
	Thursday, September 5, 2019	9/5/19 9:45	24:00:00	1.00	28.90	109008.00	42.0	8.75	8.75	8.25		
	Friday, September 6, 2019	9/6/19 9:45	24:00:00	1.00	28.90	109051.00	43.0	8.96	8.96	8.55		
	Saturday, September 7, 2019	9/7/19 9:45	24:00:00	1.00				0.00	0.00	8.55		
	Sunday, September 8, 2019	9/8/19 9:45	24:00:00	1.00				0.00	0.00	8.55		
	Monday, September 9, 2019	9/9/19 9:45	24:00:00	1.00	29.00	109093.00	42.0	8.75	8.75	8.84		
	Tuesday, September 10, 2019	9/10/19 9:45	24:00:00	1.00	29.00	109093.00	0.0	0.00	0.00	8.84		
	Wednesday, September 11, 2019	9/11/19 9:45	24:00:00	1.00	29.00	109093.00	0.0	0.00	0.00	8.69		
	Thursday, September 12, 2019	9/12/19 9:45	24:00:00	1.00	29.00	109093.00	0.0	0.00	0.00	8.69		
	Friday, September 13, 2019	9/13/19 9:45	24:00:00	1.00	29.00	109114.00	21.0	4.38	4.38	8.83		
	Saturday, September 14, 2019	9/14/19 9:45	24:00:00	1.00				0.00	0.00	8.83		
	Sunday, September 15, 2019	9/15/19 9:45	24:00:00	1.00				0.00	0.00	8.83		
	Monday, September 16, 2019	9/16/19 9:45	24:00:00	1.00	29.00	109114.00	0.0	0.00	0.00	8.83		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, September 17, 2019		9/17/19 9:45	24:00:00	1.00	29.00	109114.00	0.0	0.00	0.00	8.83		
Wednesday, September 18, 2019		9/18/19 9:45	24:00:00	1.00	29.00	109114.00	0.0	0.00	0.00	5.12		
Thursday, September 19, 2019		9/19/19 9:45	24:00:00	1.00	29.00	109114.00	0.0	0.00	0.00	3.64		
Friday, September 20, 2019		9/20/19 9:45	24:00:00	1.00	29.00	109135.00	21.0	4.38	4.38	3.22		
Saturday, September 21, 2019		9/21/19 9:45	24:00:00	1.00				0.00	0.00	2.93		
Sunday, September 22, 2019		9/22/19 9:45	24:00:00	1.00				0.00	0.00	2.78		
Monday, September 23, 2019		9/23/19 9:45	24:00:00	1.00	29.00	109135.00	0.0	0.00	0.00	2.78		
Tuesday, September 24, 2019		9/24/19 9:45	24:00:00	1.00	29.00	109135.00	0.0	0.00	0.00	2.78		
Wednesday, September 25, 2019		9/25/19 9:45	24:00:00	1.00	29.00	109135.00	0.0	0.00	0.00	2.49		
Thursday, September 26, 2019		9/26/19 9:45	24:00:00	1.00	29.00	109135.00	0.0	0.00	0.00	2.35		
Friday, September 27, 2019		9/27/19 9:45	24:00:00	1.00	29.00	109135.00	0.0	0.00	0.00	2.35		
Saturday, September 28, 2019		9/28/19 9:45	24:00:00	1.00				0.00	0.00	2.35		
Sunday, September 29, 2019		9/29/19 9:45	24:00:00	1.00				0.00	0.00	2.20		
Monday, September 30, 2019		9/30/19 9:45	24:00:00	1.00	29.00	109156.00	21.0	4.38	4.38	2.35		
Tuesday, October 1, 2019		10/1/19 9:45	24:00:00	1.00	29.00	109156.00	0.0	0.00	0.00	2.35		
Wednesday, October 2, 2019		10/2/19 9:45	24:00:00	1.00	29.00	109156.00	0.0	0.00	0.00	2.35		
Thursday, October 3, 2019		10/3/19 9:45	24:00:00	1.00	29.00	109156.00	0.0	0.00	0.00	1.76		
Friday, October 4, 2019		10/4/19 9:45	24:00:00	1.00	29.00	109156.00	0.0	0.00	0.00	1.32		
Saturday, October 5, 2019		10/5/19 9:45	24:00:00	1.00				0.00	0.00	1.03		
Sunday, October 6, 2019		10/6/19 9:45	24:00:00	1.00				0.00	0.00	0.73		
Monday, October 7, 2019		10/7/19 9:45	24:00:00	1.00	29.00	109156.00	0.0	0.00	0.00	0.73		
Tuesday, October 8, 2019		10/8/19 9:45	24:00:00	1.00	29.00	109370.00	214.0	44.58	44.58	2.22		
Wednesday, October 9, 2019		10/9/19 9:45	24:00:00	1.00	29.00	109521.00	151.0	31.46	31.46	2.97		
Thursday, October 10, 2019		10/10/19 9:45	24:00:00	1.00	29.10	109563.00	42.0	8.75	8.75	3.26		
Friday, October 11, 2019		10/11/19 9:45	24:00:00	1.00	29.20	109604.00	41.0	8.54	8.54	3.55		
Saturday, October 12, 2019		10/12/19 9:45	24:00:00	1.00				0.00	0.00	3.55		
Sunday, October 13, 2019		10/13/19 9:45	24:00:00	1.00				0.00	0.00	3.40		
Monday, October 14, 2019		10/14/19 9:45	24:00:00	1.00				0.00	0.00	3.40		
Tuesday, October 15, 2019		10/15/19 9:45	24:00:00	1.00	29.20	109647.00	43.0	8.96	8.96	3.70		
Wednesday, October 16, 2019		10/16/19 9:45	24:00:00	1.00	29.20	109647.00	172.0	35.83	35.83	4.90		
Thursday, October 17, 2019		10/17/19 9:45	24:00:00	1.00	29.40	109819.00	498.0	103.75	103.75	8.35		
Friday, October 18, 2019		10/18/19 9:45	24:00:00	1.00	29.40	110317.00	498.0	103.75	103.75	11.81		
Saturday, October 19, 2019		10/19/19 9:45	24:00:00	1.00				0.00	0.00	11.81		
Sunday, October 20, 2019		10/20/19 9:45	24:00:00	1.00				0.00	0.00	11.67		
Monday, October 21, 2019		10/21/19 9:45	24:00:00	1.00	29.60	110923.00	606.0	126.25	126.25	15.88		
Tuesday, October 22, 2019		10/22/19 9:45	24:00:00	1.00	29.60	110964.00	41.0	8.54	8.54	16.16		
Wednesday, October 23, 2019		10/23/19 9:45	24:00:00	1.00	29.70	111094.00	130.0	27.08	27.08	17.06		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, October 24, 2019		10/24/19 9:45	24:00:00	1.00	29.70	111333.00	239.0	49.79	49.79	18.72		
Friday, October 25, 2019		10/25/19 9:45	24:00:00	1.00	29.80	111440.00	107.0	22.29	22.29	19.47		
Saturday, October 26, 2019		10/26/19 9:45	24:00:00	1.00				0.00	0.00	19.47		
Sunday, October 27, 2019		10/27/19 9:45	24:00:00	1.00				0.00	0.00	19.47		
Monday, October 28, 2019		10/28/19 9:45	24:00:00	1.00	29.90	111762.00	322.0	67.08	67.08	21.70		
Tuesday, October 29, 2019		10/29/19 9:45	24:00:00	1.00	29.90	111956.00	194.0	40.42	40.42	23.05		
Wednesday, October 30, 2019		10/30/19 9:45	24:00:00	1.00	29.90	112035.00	79.0	16.46	16.46	23.45		
Thursday, October 31, 2019		10/31/19 9:45	24:00:00	1.00	29.90	112149.00	114.0	23.75	23.75	24.24		
Friday, November 1, 2019		11/1/19 9:45	24:00:00	1.00	30.10	112477.00	328.0	68.33	68.33	26.52		
Saturday, November 2, 2019		11/2/19 9:45	24:00:00	1.00				0.00	0.00	26.52		
Sunday, November 3, 2019		11/3/19 9:45	24:00:00	1.00				0.00	0.00	26.52		
Monday, November 4, 2019		11/4/19 9:45	24:00:00	1.00	30.30	113089.00	612.0	127.50	127.50	30.77		
Tuesday, November 5, 2019		11/5/19 9:45	24:00:00	1.00	30.30	113154.00	65.0	13.54	13.54	31.22		
Wednesday, November 6, 2019		11/6/19 9:45	24:00:00	1.00	30.40	113188.00	34.0	7.08	7.08	31.46		
Thursday, November 7, 2019		11/7/19 9:45	24:00:00	1.00	30.40	113261.00	73.0	15.21	15.21	30.48		
Friday, November 8, 2019		11/8/19 9:45	24:00:00	1.00	30.40	113281.00	20.0	4.17	4.17	29.57		
Saturday, November 9, 2019		11/9/19 9:45	24:00:00	1.00				0.00	0.00	29.28		
Sunday, November 10, 2019		11/10/19 9:45	24:00:00	1.00				0.00	0.00	28.99		
Monday, November 11, 2019		11/11/19 9:45	24:00:00	1.00				0.00	0.00	28.99		
Tuesday, November 12, 2019		11/12/19 9:45	24:00:00	1.00	30.40	113435.00	154.0	32.08	32.08	30.06		
Wednesday, November 13, 2019		11/13/19 9:45	24:00:00	1.00	30.50	113477.00	42.0	8.75	8.75	30.35		
Thursday, November 14, 2019		11/14/19 9:45	24:00:00	1.00	30.50	113499.00	22.0	4.58	4.58	30.21		
Friday, November 15, 2019		11/15/19 9:45	24:00:00	1.00	30.50	113541.00	42.0	8.75	8.75	29.31		
Saturday, November 16, 2019		11/16/19 9:45	24:00:00	1.00				0.00	0.00	25.85		
Sunday, November 17, 2019		11/17/19 9:45	24:00:00	1.00				0.00	0.00	22.39		
Monday, November 18, 2019		11/18/19 9:45	24:00:00	1.00	30.60	113848.00	307.0	63.96	63.96	24.52		
Tuesday, November 19, 2019		11/19/19 9:45	24:00:00	1.00	30.60	113979.00	131.0	27.29	27.29	25.43		
Wednesday, November 20, 2019		11/20/19 9:45	24:00:00	1.00	30.70	114087.00	108.0	22.50	22.50	21.97		
Thursday, November 21, 2019		11/21/19 9:45	24:00:00	1.00	30.70	114152.00	65.0	13.54	13.54	22.14		
Friday, November 22, 2019		11/22/19 9:45	24:00:00	1.00	30.70	114216.00	64.0	13.33	13.33	21.68		
Saturday, November 23, 2019		11/23/19 9:45	24:00:00	1.00				0.00	0.00	20.02		
Sunday, November 24, 2019		11/24/19 9:45	24:00:00	1.00				0.00	0.00	19.28		
Monday, November 25, 2019		11/25/19 9:45	24:00:00	1.00	30.80	114391.00	175.0	36.46	36.46	20.49		
Tuesday, November 26, 2019		11/26/19 9:45	24:00:00	1.00	30.80	114433.00	42.0	8.75	8.75	20.78		
Wednesday, November 27, 2019		11/27/19 9:45	24:00:00	1.00	30.80	114455.00	22.0	4.58	4.58	18.70		
Thursday, November 28, 2019		11/28/19 9:45	24:00:00	1.00	30.80	114455.00	0.0	0.00	0.00	17.35		
Friday, November 29, 2019		11/29/19 9:45	24:00:00	1.00	30.80	114519.00	64.0	13.33	13.33	17.25		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE TWELVE (LTMH-12)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (4.80 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
	Saturday, November 30, 2019	11/30/19 9:45	24:00:00	1.00				0.00	0.00	16.46		
	Sunday, December 1, 2019	12/1/19 9:45	24:00:00	1.00				0.00	0.00	14.18		
	Monday, December 2, 2019	12/2/19 9:45	24:00:00	1.00	30.90	114626.00	47.0	9.79	9.79	14.51		
	Tuesday, December 3, 2019	12/3/19 9:45	24:00:00	1.00	30.90	114691.00	65.0	13.54	13.54	14.96		
	Wednesday, December 4, 2019	12/4/19 9:45	24:00:00	1.00	30.90	114754.00	63.0	13.13	13.13	11.15		
	Thursday, December 5, 2019	12/5/19 9:45	24:00:00	1.00	30.90	114822.00	68.0	14.17	14.17	11.17		
	Friday, December 6, 2019	12/6/19 9:45	24:00:00	1.00	31.00	114998.00	176.0	36.67	36.67	12.15		
	Saturday, December 7, 2019	12/7/19 9:45	24:00:00	1.00				0.00	0.00	11.65		snow melt
	Sunday, December 8, 2019	12/8/19 9:45	24:00:00	1.00				0.00	0.00	11.51		
	Monday, December 9, 2019	12/9/19 9:45	24:00:00	1.00	31.10	115475.00	477.0	99.38	99.38	14.82		
	Tuesday, December 10, 2019	12/10/19 9:45	24:00:00	1.00	31.30	115957.00	482.0	100.42	100.42	18.17		
	Wednesday, December 11, 2019	12/11/19 9:45	24:00:00	1.00	31.40	116327.00	370.0	77.08	77.08	20.74		
	Thursday, December 12, 2019	12/12/19 9:45	24:00:00	1.00	31.40	116496.00	169.0	35.21	35.21	20.84		
	Friday, December 13, 2019	12/13/19 9:45	24:00:00	1.00	31.40	116627.00	131.0	27.29	27.29	21.46		
	Saturday, December 14, 2019	12/14/19 9:45	24:00:00	1.00				0.00	0.00	21.31		
	Sunday, December 15, 2019	12/15/19 9:45	24:00:00	1.00				0.00	0.00	21.01		
	Monday, December 16, 2019	12/16/19 9:45	24:00:00	1.00	31.70	117371.00	744.0	155.00	155.00	26.18	2 INCHES OF RAIN	
	Tuesday, December 17, 2019	12/17/19 9:45	24:00:00	1.00	31.70	117544.00	173.0	36.04	36.04	27.38		
	Wednesday, December 18, 2019	12/18/19 9:45	24:00:00	1.00	31.90	117696.00	154.0	32.08	32.08	26.32		
	Thursday, December 19, 2019	12/19/19 9:45	24:00:00	1.00	31.90	117806.00	110.0	22.92	22.92	26.17		
	Friday, December 20, 2019	12/20/19 9:45	24:00:00	1.00	31.90	117878.00	72.0	15.00	15.00	25.92		
	Saturday, December 21, 2019	12/21/19 9:45	24:00:00	1.00				0.00	0.00	25.47		
	Sunday, December 22, 2019	12/22/19 9:45	24:00:00	1.00				0.00	0.00	25.03		
	Monday, December 23, 2019	12/23/19 9:45	24:00:00	1.00	32.00	118092.00	214.0	44.58	44.58	26.51		
	Tuesday, December 24, 2019	12/24/19 9:45	24:00:00	1.00	32.10	118311.00	219.0	45.63	45.63	28.03		
	Wednesday, December 25, 2019	12/25/19 9:45	24:00:00	1.00	32.20	118511.00	200.0	41.67	41.67	28.21		
	Thursday, December 26, 2019	12/26/19 9:45	24:00:00	1.00	32.20	118701.00	190.0	39.58	39.58	29.24		
	Friday, December 27, 2019	12/27/19 9:45	24:00:00	1.00	32.20	118853.00	152.0	31.67	31.67	30.14		
	Saturday, December 28, 2019	12/28/19 9:45	24:00:00	1.00				0.00	0.00	30.14		
	Sunday, December 29, 2019	12/29/19 9:45	24:00:00	1.00				0.00	0.00	29.69		
	Monday, December 30, 2019	12/30/19 9:45	24:00:00	1.00	32.40	119313.00	460.0	95.83	95.83	32.89		
	Tuesday, December 31, 2019	12/31/19 9:45	24:00:00	1.00	32.50	119640.00	327.0	68.13	68.13	35.16		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019	1/1/19 9:45	24:00	1.00	7.96	52,070.0	0.0	0.00	0.00	20.72		
Wednesday, January 2, 2019	1/2/19 9:45	24:00	1.00	7.96	52,260.0	190.0	56.05	56.05	19.80		
Thursday, January 3, 2019	1/3/19 9:45	24:00	1.00	7.96	52,341.0	81.0	23.89	23.89	19.71		
Friday, January 4, 2019	1/4/19 9:45	24:00	1.00	7.97	52,412.0	71.0	20.94	20.94	19.51		
Saturday, January 5, 2019	1/5/19 9:45	24:00	1.00				0.00	0.00	18.83		
Sunday, January 6, 2019	1/6/19 9:45	24:00	1.00				0.00	0.00	18.26		
Monday, January 7, 2019	1/7/19 9:45	24:00	1.00	7.98	52,592.0	180.0	53.10	53.10	20.03		
Tuesday, January 8, 2019	1/8/19 9:45	24:00	1.00	7.98	52,677.0	82.0	24.19	24.19	20.84		
Wednesday, January 9, 2019	1/9/19 9:45	24:00	1.00	7.98	52,781.0	104.0	30.68	30.68	20.54		
Thursday, January 10, 2019	1/10/19 9:45	24:00	1.00	7.98	52,881.0	100.0	29.50	29.50	21.14		
Friday, January 11, 2019	1/11/19 9:45	24:00	1.00	7.98	52,989.0	108.0	31.86	31.86	21.73		
Saturday, January 12, 2019	1/12/19 9:45	24:00	1.00				0.00	0.00	21.36		
Sunday, January 13, 2019	1/13/19 9:45	24:00	1.00				0.00	0.00	21.02		
Monday, January 14, 2019	1/14/19 9:45	24:00	1.00	7.99	53,186.0	197.0	58.11	58.11	22.96		
Tuesday, January 15, 2019	1/15/19 9:45	24:00	1.00	7.99	53,239.0	53.0	15.63	15.63	23.48		
Wednesday, January 16, 2019	1/16/19 9:45	24:00	1.00	8.00	53,290.0	51.0	15.04	15.04	22.03		
Thursday, January 17, 2019	1/17/19 9:45	24:00	1.00	8.00	53,333.0	43.0	12.68	12.68	21.76		
Friday, January 18, 2019	1/18/19 9:45	24:00	1.00	8.00	53,370.0	37.0	10.91	10.91	21.74		
Saturday, January 19, 2019	1/19/19 9:45	24:00	1.00				0.00	0.00	21.34		
Sunday, January 20, 2019	1/20/19 9:45	24:00	1.00				0.00	0.00	20.96		
Monday, January 21, 2019	1/21/19 9:45	24:00	1.00				0.00	0.00	20.96		
Tuesday, January 22, 2019	1/22/19 9:45	24:00	1.00	8.00	53,520.0	150.0	44.25	44.25	22.44		
Wednesday, January 23, 2019	1/23/19 9:45	24:00	1.00	8.00	53,539.0	19.0	5.60	5.60	19.81		
Thursday, January 24, 2019	1/24/19 9:45	24:00	1.00	8.00	53,592.0	53.0	15.63	15.63	20.33		
Friday, January 25, 2019	1/25/19 9:45	24:00	1.00	8.01	53,727.0	135.0	39.82	39.82	20.09		
Saturday, January 26, 2019	1/26/19 9:45	24:00	1.00				0.00	0.00	19.63		
Sunday, January 27, 2019	1/27/19 9:45	24:00	1.00				0.00	0.00	19.05		
Monday, January 28, 2019	1/28/19 9:45	24:00	1.00	8.01	54,037.0	310.0	91.45	91.45	22.09		
Tuesday, January 29, 2019	1/29/19 9:45	24:00	1.00	8.02	54,082.0	45.0	13.27	13.27	22.54		
Wednesday, January 30, 2019	1/30/19 9:45	24:00	1.00	8.02	54,140.0	58.0	17.11	17.11	20.32		
Thursday, January 31, 2019	1/31/19 9:45	24:00	1.00	8.02	54,185.0	45.0	13.27	13.27	20.77		
Friday, February 1, 2019	2/1/19 9:45	24:00	1.00	8.02	54,224.0	39.0	11.50	11.50	19.28		
Saturday, February 2, 2019	2/2/19 9:45	24:00	1.00				0.00	0.00	18.49		
Sunday, February 3, 2019	2/3/19 9:45	24:00	1.00				0.00	0.00	17.79		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, February 4, 2019	2/4/19 9:45	24:00	1.00	8.02	54,331.0	107.0	31.56	31.56	18.84		
Tuesday, February 5, 2019	2/5/19 9:45	24:00	1.00	8.03	54,453.0	122.0	35.99	35.99	20.04		
Wednesday, February 6, 2019	2/6/19 9:45	24:00	1.00	8.03	54,534.0	81.0	23.89	23.89	19.07		
Thursday, February 7, 2019	2/7/19 9:45	24:00	1.00	8.03	54,638.0	104.0	30.68	30.68	19.28		
Friday, February 8, 2019	2/8/19 9:45	24:00	1.00	8.04	54,749.0	111.0	32.74	32.74	19.35		
Saturday, February 9, 2019	2/9/19 9:45	24:00	1.00				0.00	0.00	18.37		
Sunday, February 10, 2019	2/10/19 9:45	24:00	1.00				0.00	0.00	17.31		
Monday, February 11, 2019	2/11/19 9:45	24:00	1.00	8.04	55,000.0	251.0	74.04	74.04	19.77		
Tuesday, February 12, 2019	2/12/19 9:45	24:00	1.00	8.05	55,048.0	48.0	14.16	14.16	20.25		
Wednesday, February 13, 2019	2/13/19 9:45	24:00	1.00	8.05	55,093.0	45.0	13.27	13.27	18.75		
Thursday, February 14, 2019	2/14/19 9:45	24:00	1.00	8.05	55,139.0	46.0	13.57	13.57	18.68		
Friday, February 15, 2019	2/15/19 9:45	24:00	1.00	8.05	55,173.0	34.0	10.03	10.03	18.52		
Saturday, February 16, 2019	2/16/19 9:45	24:00	1.00				0.00	0.00	18.09		
Sunday, February 17, 2019	2/17/19 9:45	24:00	1.00				0.00	0.00	17.73		
Monday, February 18, 2019	2/18/19 9:45	24:00	1.00	8.06	55,173.0	0.0	0.00	0.00	17.73		
Tuesday, February 19, 2019	2/19/19 9:45	24:00	1.00	8.06	55,450.0	277.0	81.71	81.71	20.45		
Wednesday, February 20, 2019	2/20/19 9:45	24:00	1.00	8.06	55,480.0	30.0	8.85	8.85	20.75		
Thursday, February 21, 2019	2/21/19 9:45	24:00	1.00	8.06	55,509.0	29.0	8.55	8.55	19.56		
Friday, February 22, 2019	2/22/19 9:45	24:00	1.00	8.06	55,579.0	70.0	20.65	20.65	20.06		
Saturday, February 23, 2019	2/23/19 9:45	24:00	1.00				0.00	0.00	19.54		
Sunday, February 24, 2019	2/24/19 9:45	24:00	1.00				0.00	0.00	18.21		
Monday, February 25, 2019	2/25/19 9:45	24:00	1.00	8.07	55,877.0	298.0	87.91	87.91	21.14		
Tuesday, February 26, 2019	2/26/19 9:45	24:00	1.00	8.07	55,990.0	113.0	33.33	33.33	22.25		
Wednesday, February 27, 2019	2/27/19 9:45	24:00	1.00	8.08	56,049.0	59.0	17.40	17.40	19.78		
Thursday, February 28, 2019	2/28/19 9:45	24:00	1.00	8.08	56,101.0	52.0	15.34	15.34	19.85		
Friday, March 1, 2019	3/1/19 9:45	24:00	1.00	8.08	56,143.0	42.0	12.39	12.39	19.70		
Saturday, March 2, 2019	3/2/19 9:45	24:00	1.00				0.00	0.00	19.25		
Sunday, March 3, 2019	3/3/19 9:45	24:00	1.00				0.00	0.00	18.87		
Monday, March 4, 2019	3/4/19 9:45	24:00	1.00	8.08	56,241.0	98.0	28.91	28.91	19.83		
Tuesday, March 5, 2019	3/5/19 9:45	24:00	1.00	8.08	56,268.0	27.0	7.96	7.96	20.10		
Wednesday, March 6, 2019	3/6/19 9:45	24:00	1.00	8.08	56,304.0	36.0	10.62	10.62	19.40		
Thursday, March 7, 2019	3/7/19 9:45	24:00	1.00	8.08	56,328.0	24.0	7.08	7.08	18.44		
Friday, March 8, 2019	3/8/19 9:45	24:00	1.00	8.09	56,345.0	17.0	5.01	5.01	17.81		
Saturday, March 9, 2019	3/9/19 9:45	24:00	1.00				0.00	0.00	16.78		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, March 10, 2019	3/10/19 9:45	24:00	1.00				0.00	0.00	15.69		
Monday, March 11, 2019	3/11/19 9:45	24:00	1.00	8.09	56,453.0	108.0	31.86	31.86	16.76		
Tuesday, March 12, 2019	3/12/19 9:45	24:00	1.00	8.09	56,545.0	92.0	27.14	27.14	17.66		
Wednesday, March 13, 2019	3/13/19 9:45	24:00	1.00	8.09	56,612.0	67.0	19.76	19.76	15.85		
Thursday, March 14, 2019	3/14/19 9:45	24:00	1.00	8.09	56,660.0	48.0	14.16	14.16	15.85		
Friday, March 15, 2019	3/15/19 9:45	24:00	1.00	8.09	56,735.0	75.0	22.12	22.12	16.15		
Saturday, March 16, 2019	3/16/19 9:45	24:00	1.00				0.00	0.00	15.69		
Sunday, March 17, 2019	3/17/19 9:45	24:00	1.00				0.00	0.00	15.36		
Monday, March 18, 2019	3/18/19 9:45	24:00	1.00	8.11	57,020.0	285.0	84.07	84.07	18.16		
Tuesday, March 19, 2019	3/19/19 9:45	24:00	1.00	8.11	57,084.0	64.0	18.88	18.88	18.79		
Wednesday, March 20, 2019	3/20/19 9:45	24:00	1.00	8.11	57,136.0	52.0	15.34	15.34	19.30		
Thursday, March 21, 2019	3/21/19 9:45	24:00	1.00	8.11	57,186.0	50.0	14.75	14.75	17.07		
Friday, March 22, 2019	3/22/19 9:45	24:00	1.00	8.11	57,252.0	66.0	19.47	19.47	17.42		
Saturday, March 23, 2019	3/23/19 9:45	24:00	1.00				0.00	0.00	17.14		
Sunday, March 24, 2019	3/24/19 9:45	24:00	1.00				0.00	0.00	16.45		
Monday, March 25, 2019	3/25/19 9:45	24:00	1.00	8.12	57,593.0	341.0	100.59	100.59	19.80		
Tuesday, March 26, 2019	3/26/19 9:45	24:00	1.00	8.13	57,697.0	104.0	30.68	30.68	20.83		
Wednesday, March 27, 2019	3/27/19 9:45	24:00	1.00	8.13	57,770.0	73.0	21.53	21.53	18.61		
Thursday, March 28, 2019	3/28/19 9:45	24:00	1.00	8.13	57,834.0	64.0	18.88	18.88	18.13		
Friday, March 29, 2019	3/29/19 9:45	24:00	1.00	8.13	57,878.0	44.0	12.98	12.98	17.98		
Saturday, March 30, 2019	3/30/19 9:45	24:00	1.00				0.00	0.00	17.47		
Sunday, March 31, 2019	3/31/19 9:45	24:00	1.00				0.00	0.00	17.06		
Monday, April 1, 2019	4/1/19 9:45	24:00	1.00	8.14	58,041.0	163.0	48.08	48.08	18.66		
Tuesday, April 2, 2019	4/2/19 9:45	24:00	1.00	8.14	58,119.0	78.0	23.01	23.01	19.43		
Wednesday, April 3, 2019	4/3/19 9:45	24:00	1.00	8.14	58,192.0	73.0	21.53	21.53	19.18		
Thursday, April 4, 2019	4/4/19 9:45	24:00	1.00	8.14	58,253.0	61.0	17.99	17.99	19.52		
Friday, April 5, 2019	4/5/19 9:45	24:00	1.00	8.14	58,288.0	35.0	10.32	10.32	19.51		
Saturday, April 6, 2019	4/6/19 9:45	24:00	1.00				0.00	0.00	19.27		
Sunday, April 7, 2019	4/7/19 9:45	24:00	1.00				0.00	0.00	19.11		
Monday, April 8, 2019	4/8/19 9:45	24:00	1.00	8.15	58,568.0	280.0	82.60	82.60	21.86		
Tuesday, April 9, 2019	4/9/19 9:45	24:00	1.00	8.16	58,679.0	111.0	32.74	32.74	22.95		
Wednesday, April 10, 2019	4/10/19 9:45	24:00	1.00	8.16	58,786.0	107.0	31.56	31.56	22.94		
Thursday, April 11, 2019	4/11/19 9:45	24:00	1.00	8.16	58,851.0	65.0	19.17	19.17	22.67		
Friday, April 12, 2019	4/12/19 9:45	24:00	1.00	8.16	58,897.0	46.0	13.57	13.57	22.47		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, April 13, 2019	4/13/19 9:45	24:00	1.00				0.00	0.00	22.00		
Sunday, April 14, 2019	4/14/19 9:45	24:00	1.00				0.00	0.00	21.26		
Monday, April 15, 2019	4/15/19 9:45	24:00	1.00	8.17	59,014.0	117.0	34.51	34.51	22.41		
Tuesday, April 16, 2019	4/16/19 9:45	24:00	1.00	8.17	59,138.0	124.0	36.58	36.58	23.63		
Wednesday, April 17, 2019	4/17/19 9:45	24:00	1.00	8.17	59,240.0	102.0	30.09	30.09	21.83		
Thursday, April 18, 2019	4/18/19 9:45	24:00	1.00	8.18	59,339.0	99.0	29.20	29.20	22.17		
Friday, April 19, 2019	4/19/19 9:45	24:00	1.00	8.18	59,424.0	85.0	25.07	25.07	22.50		
Saturday, April 20, 2019	4/20/19 9:45	24:00	1.00				0.00	0.00	22.01		
Sunday, April 21, 2019	4/21/19 9:45	24:00	1.00				0.00	0.00	21.36		
Monday, April 22, 2019	4/22/19 9:45	24:00	1.00	8.19	59,751.0	327.0	96.46	96.46	24.57		
Tuesday, April 23, 2019	4/23/19 9:45	24:00	1.00	8.19	59,842.0	91.0	26.84	26.84	25.47		
Wednesday, April 24, 2019	4/24/19 9:45	24:00	1.00	8.19	59,923.0	81.0	23.89	23.89	22.91		
Thursday, April 25, 2019	4/25/19 9:45	24:00	1.00	8.20	59,961.0	38.0	11.21	11.21	22.26		
Friday, April 26, 2019	4/26/19 9:45	24:00	1.00	8.20	59,996.0	35.0	10.32	10.32	21.89		
Saturday, April 27, 2019	4/27/19 9:45	24:00	1.00				0.00	0.00	21.26		
Sunday, April 28, 2019	4/28/19 9:45	24:00	1.00				0.00	0.00	20.83		
Monday, April 29, 2019	4/29/19 9:45	24:00	1.00	8.20	60,183.0	187.0	55.16	55.16	22.66		
Tuesday, April 30, 2019	4/30/19 9:45	24:00	1.00	8.20	60,223.0	40.0	11.80	11.80	23.06		
Wednesday, May 1, 2019	5/1/19 9:45	24:00	1.00	8.20	60,261.0	38.0	11.21	11.21	21.83		
Thursday, May 2, 2019	5/2/19 9:45	24:00	1.00	8.20	60,322.0	61.0	17.99	17.99	21.66		
Friday, May 3, 2019	5/3/19 9:45	24:00	1.00	8.21	60,417.0	95.0	28.02	28.02	21.88		
Saturday, May 4, 2019	5/4/19 9:45	24:00	1.00				0.00	0.00	21.28		
Sunday, May 5, 2019	5/5/19 9:45	24:00	1.00				0.00	0.00	20.93		
Monday, May 6, 2019	5/6/19 9:45	24:00	1.00	8.22	60,713.0	296.0	87.32	87.32	23.84		
Tuesday, May 7, 2019	5/7/19 9:45	24:00	1.00	8.22	60,824.0	111.0	32.74	32.74	24.94		
Wednesday, May 8, 2019	5/8/19 9:45	24:00	1.00	8.22	60,914.0	90.0	26.55	26.55	23.07		
Thursday, May 9, 2019	5/9/19 9:45	24:00	1.00	8.23	60,994.0	80.0	23.60	23.60	22.76		
Friday, May 10, 2019	5/10/19 9:45	24:00	1.00	8.23	61,048.0	54.0	15.93	15.93	22.24		
Saturday, May 11, 2019	5/11/19 9:45	24:00	1.00				0.00	0.00	21.60		
Sunday, May 12, 2019	5/12/19 9:45	24:00	1.00				0.00	0.00	21.15		
Monday, May 13, 2019	5/13/19 9:45	24:00	1.00	8.24	61,384.0	336.0	99.12	99.12	24.45		
Tuesday, May 14, 2019	5/14/19 9:45	24:00	1.00	8.24	61,515.0	131.0	38.64	38.64	25.74		
Wednesday, May 15, 2019	5/15/19 9:45	24:00	1.00	8.24	61,662.0	147.0	43.36	43.36	26.04		
Thursday, May 16, 2019	5/16/19 9:45	24:00	1.00	8.25	61,782.0	120.0	35.40	35.40	26.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, May 17, 2019	5/17/19 9:45	24:00	1.00	8.25	61,865.0	83.0	24.48	24.48	25.81		
Saturday, May 18, 2019	5/18/19 9:45	24:00	1.00				0.00	0.00	24.84		
Sunday, May 19, 2019	5/19/19 9:45	24:00	1.00				0.00	0.00	24.00		
Monday, May 20, 2019	5/20/19 9:45	24:00	1.00	8.25	62,002.0	137.0	40.41	40.41	25.35		
Tuesday, May 21, 2019	5/21/19 9:45	24:00	1.00	8.26	62,042.0	40.0	11.80	11.80	25.74		
Wednesday, May 22, 2019	5/22/19 9:45	24:00	1.00	8.26	62,066.0	24.0	7.08	7.08	22.76		
Thursday, May 23, 2019	5/23/19 9:45	24:00	1.00	8.26	62,082.0	16.0	4.72	4.72	22.03		
Friday, May 24, 2019	5/24/19 9:45	24:00	1.00	8.26	62,100.0	18.0	5.31	5.31	21.41		
Saturday, May 25, 2019	5/25/19 9:45	24:00	1.00				0.00	0.00	21.03		
Sunday, May 26, 2019	5/26/19 9:45	24:00	1.00				0.00	0.00	20.69		
Monday, May 27, 2019	5/27/19 9:45	24:00	1.00				0.00	0.00	20.69		
Tuesday, May 28, 2019	5/28/19 9:45	24:00	1.00	8.26	62,151.0	51.0	15.04	15.04	21.19		
Wednesday, May 29, 2019	5/29/19 9:45	24:00	1.00	8.26	62,163.0	12.0	3.54	3.54	19.47		
Thursday, May 30, 2019	5/30/19 9:45	24:00	1.00	8.26	62,169.0	6.0	1.77	1.77	19.13		
Friday, May 31, 2019	5/31/19 9:45	24:00	1.00	8.26	62,183.0	14.0	4.13	4.13	18.90		
Saturday, June 1, 2019	6/1/19 9:45	24:00	1.00				0.00	0.00	18.30		
Sunday, June 2, 2019	6/2/19 9:45	24:00	1.00				0.00	0.00	17.36		
Monday, June 3, 2019	6/3/19 9:45	24:00	1.00	8.26	62,203.0	20.0	5.90	5.90	17.56		
Tuesday, June 4, 2019	6/4/19 9:45	24:00	1.00	8.26	62,216.0	13.0	3.83	3.83	17.69		
Wednesday, June 5, 2019	6/5/19 9:45	24:00	1.00	8.26	62,225.0	9.0	2.65	2.65	14.87		
Thursday, June 6, 2019	6/6/19 9:45	24:00	1.00	8.26	62,227.0	2.0	0.59	0.59	13.80		
Friday, June 7, 2019	6/7/19 9:45	24:00	1.00	8.26	62,236.0	9.0	2.65	2.65	13.00		
Saturday, June 8, 2019	6/8/19 9:45	24:00	1.00				0.00	0.00	12.21		
Sunday, June 9, 2019	6/9/19 9:45	24:00	1.00				0.00	0.00	11.68		
Monday, June 10, 2019	6/10/19 9:45	24:00	1.00	8.26	62,250.0	14.0	4.13	4.13	11.82		
Tuesday, June 11, 2019	6/11/19 9:45	24:00	1.00	8.26	62,256.0	6.0	1.77	1.77	11.88		
Wednesday, June 12, 2019	6/12/19 9:45	24:00	1.00	8.26	62,261.0	5.0	1.47	1.47	8.62		
Thursday, June 13, 2019	6/13/19 9:45	24:00	1.00	8.26	62,264.0	3.0	0.88	0.88	7.36		
Friday, June 14, 2019	6/14/19 9:45	24:00	1.00	8.26	62,270.0	6.0	1.77	1.77	5.98		
Saturday, June 15, 2019	6/15/19 9:45	24:00	1.00				0.00	0.00	4.80		
Sunday, June 16, 2019	6/16/19 9:45	24:00	1.00				0.00	0.00	3.98		
Monday, June 17, 2019	6/17/19 9:45	24:00	1.00	8.26	62,278.0	8.0	2.36	2.36	4.06		
Tuesday, June 18, 2019	6/18/19 9:45	24:00	1.00	8.27	62,284.0	6.0	1.77	1.77	4.12		
Wednesday, June 19, 2019	6/19/19 9:45	24:00	1.00	8.27	62,284.0	0.0	0.00	0.00	2.77		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, June 20, 2019	6/20/19 9:45	24:00	1.00	8.27	62,290.0	6.0	1.77	1.77	2.44		
Friday, June 21, 2019	6/21/19 9:45	24:00	1.00	8.27	62,343.0	53.0	15.63	15.63	2.72		
Saturday, June 22, 2019	6/22/19 9:45	24:00	1.00				0.00	0.00	2.57		
Sunday, June 23, 2019	6/23/19 9:45	24:00	1.00				0.00	0.00	2.39		
Monday, June 24, 2019	6/24/19 9:45	24:00	1.00	8.27	62,510.0	167.0	49.26	49.26	4.03		
Tuesday, June 25, 2019	6/25/19 9:45	24:00	1.00	8.27	62,522.0	12.0	3.54	3.54	4.15		
Wednesday, June 26, 2019	6/26/19 9:45	24:00	1.00	8.27	62,528.0	6.0	1.77	1.77	4.21		
Thursday, June 27, 2019	6/27/19 9:45	24:00	1.00	8.27	62,539.0	11.0	3.24	3.24	3.82		
Friday, June 28, 2019	6/28/19 9:45	24:00	1.00	8.27	62,545.0	6.0	1.77	1.77	3.76		
Saturday, June 29, 2019	6/29/19 9:45	24:00	1.00				0.00	0.00	3.70		
Sunday, June 30, 2019	6/30/19 9:45	24:00	1.00				0.00	0.00	3.56		
Monday, July 1, 2019	7/1/19 9:45	24:00	1.00	8.27	62,568.0	23.0	6.78	6.78	3.79		
Tuesday, July 2, 2019	7/2/19 9:45	24:00	1.00	8.27	62,575.0	7.0	2.06	2.06	3.85		
Wednesday, July 3, 2019	7/3/19 9:45	24:00	1.00	8.27	62,575.0	0.0	0.00	0.00	3.66		
Thursday, July 4, 2019	7/4/19 9:45	24:00	1.00				0.00	0.00	3.53		
Friday, July 5, 2019	7/5/19 9:45	24:00	1.00	8.27	62,589.0	14.0	4.13	4.13	3.58		
Saturday, July 6, 2019	7/6/19 9:45	24:00	1.00				0.00	0.00	3.56		
Sunday, July 7, 2019	7/7/19 9:45	24:00	1.00				0.00	0.00	3.47		
Monday, July 8, 2019	7/8/19 9:45	24:00	1.00	8.27	62,601.0	12.0	3.54	3.54	3.59		
Tuesday, July 9, 2019	7/9/19 9:45	24:00	1.00	8.27	62,601.0	0.0	0.00	0.00	3.59		
Wednesday, July 10, 2019	7/10/19 9:45	24:00	1.00	8.27	62,607.0	6.0	1.77	1.77	3.51		
Thursday, July 11, 2019	7/11/19 9:45	24:00	1.00	8.28	62,607.0	0.0	0.00	0.00	3.45		
Friday, July 12, 2019	7/12/19 9:45	24:00	1.00	8.28	62,613.0	6.0	1.77	1.77	3.46		
Saturday, July 13, 2019	7/13/19 9:45	24:00	1.00				0.00	0.00	3.43		
Sunday, July 14, 2019	7/14/19 9:45	24:00	1.00				0.00	0.00	3.37		
Monday, July 15, 2019	7/15/19 9:45	24:00	1.00	8.28	62,626.0	13.0	3.83	3.83	3.50		
Tuesday, July 16, 2019	7/16/19 9:45	24:00	1.00	8.28	62,626.0	0.0	0.00	0.00	3.50		
Wednesday, July 17, 2019	7/17/19 9:45	24:00	1.00	8.28	62,632.0	6.0	1.77	1.77	3.48		
Thursday, July 18, 2019	7/18/19 9:45	24:00	1.00	8.28	62,632.0	0.0	0.00	0.00	3.42		
Friday, July 19, 2019	7/19/19 9:45	24:00	1.00	8.28	62,632.0	0.0	0.00	0.00	3.42		
Saturday, July 20, 2019	7/20/19 9:45	24:00	1.00				0.00	0.00	3.36		
Sunday, July 21, 2019	7/21/19 9:45	24:00	1.00				0.00	0.00	2.84		
Monday, July 22, 2019	7/22/19 9:45	24:00	1.00	8.28	62,645.0	13.0	3.83	3.83	2.97		
Tuesday, July 23, 2019	7/23/19 9:45	24:00	1.00	8.28	62,645.0	0.0	0.00	0.00	2.97		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, July 24, 2019	7/24/19 9:45	24:00	1.00	8.28	62,645.0	0.0	0.00	0.00	1.33		
Thursday, July 25, 2019	7/25/19 9:45	24:00	1.00	8.28	62,652.0	7.0	2.06	2.06	1.28		
Friday, July 26, 2019	7/26/19 9:45	24:00	1.00	8.28	62,652.0	0.0	0.00	0.00	1.22		
Saturday, July 27, 2019	7/27/19 9:45	24:00	1.00				0.00	0.00	1.11		
Sunday, July 28, 2019	7/28/19 9:45	24:00	1.00				0.00	0.00	1.05		
Monday, July 29, 2019	7/29/19 9:45	24:00	1.00	8.28	62,660.0	8.0	2.36	2.36	1.13		
Tuesday, July 30, 2019	7/30/19 9:45	24:00	1.00	8.28	62,660.0	0.0	0.00	0.00	1.13		
Wednesday, July 31, 2019	7/31/19 9:45	24:00	1.00	8.28	62,667.0	7.0	2.06	2.06	0.97		
Thursday, August 1, 2019	8/1/19 9:45	24:00	1.00	8.28	62,674.0	7.0	2.06	2.06	0.97		
Friday, August 2, 2019	8/2/19 9:45	24:00	1.00	8.28	62,674.0	0.0	0.00	0.00	0.97		
Saturday, August 3, 2019	8/3/19 9:45	24:00	1.00				0.00	0.00	0.97		
Sunday, August 4, 2019	8/4/19 9:45	24:00	1.00				0.00	0.00	0.84		
Monday, August 5, 2019	8/5/19 9:45	24:00	1.00	8.28	62,681.0	7.0	2.06	2.06	0.90		
Tuesday, August 6, 2019	8/6/19 9:45	24:00	1.00	8.28	62,681.0	0.0	0.00	0.00	0.90		
Wednesday, August 7, 2019	8/7/19 9:45	24:00	1.00	8.28	62,686.0	5.0	1.47	1.47	0.84		
Thursday, August 8, 2019	8/8/19 9:45	24:00	1.00	8.28	62,686.0	0.0	0.00	0.00	0.84		
Friday, August 9, 2019	8/9/19 9:45	24:00	1.00	8.28	62,686.0	0.0	0.00	0.00	0.78		
Saturday, August 10, 2019	8/10/19 9:45	24:00	1.00				0.00	0.00	0.78		
Sunday, August 11, 2019	8/11/19 9:45	24:00	1.00				0.00	0.00	0.72		
Monday, August 12, 2019	8/12/19 9:45	24:00	1.00	8.28	62,699.0	13.0	3.83	3.83	0.85		
Tuesday, August 13, 2019	8/13/19 9:45	24:00	1.00	8.28	62,699.0	0.0	0.00	0.00	0.85		
Wednesday, August 14, 2019	8/14/19 9:45	24:00	1.00	8.28	62,699.0	0.0	0.00	0.00	0.72		
Thursday, August 15, 2019	8/15/19 9:45	24:00	1.00	8.28	62,706.0	7.0	2.06	2.06	0.79		
Friday, August 16, 2019	8/16/19 9:45	24:00	1.00	8.28	62,706.0	0.0	0.00	0.00	0.73		
Saturday, August 17, 2019	8/17/19 9:45	24:00	1.00				0.00	0.00	0.73		
Sunday, August 18, 2019	8/18/19 9:45	24:00	1.00				0.00	0.00	0.73		
Monday, August 19, 2019	8/19/19 9:45	24:00	1.00	8.28	62,838.0	132.0	38.94	38.94	2.03		
Tuesday, August 20, 2019	8/20/19 9:45	24:00	1.00	8.29	62,917.0	79.0	23.30	23.30	2.80		
Wednesday, August 21, 2019	8/21/19 9:45	24:00	1.00	8.29	62,947.0	30.0	8.85	8.85	2.97		
Thursday, August 22, 2019	8/22/19 9:45	24:00	1.00	8.29	62,959.0	12.0	3.54	3.54	3.09		
Friday, August 23, 2019	8/23/19 9:45	24:00	1.00	8.29	62,977.0	18.0	5.31	5.31	3.26		
Saturday, August 24, 2019	8/24/19 9:45	24:00	1.00				0.00	0.00	3.20		
Sunday, August 25, 2019	8/25/19 9:45	24:00	1.00				0.00	0.00	3.20		
Monday, August 26, 2019	8/26/19 9:45	24:00	1.00	8.29	62,994.0	17.0	5.01	5.01	3.36		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, August 27, 2019	8/27/19 9:45	24:00	1.00	8.29	63,000.0	6.0	1.77	1.77	3.42		
Wednesday, August 28, 2019	8/28/19 9:45	24:00	1.00	8.29	63,006.0	6.0	1.77	1.77	3.40		
Thursday, August 29, 2019	8/29/19 9:45	24:00	1.00	8.29	63,012.0	6.0	1.77	1.77	3.46		
Friday, August 30, 2019	8/30/19 9:45	24:00	1.00	8.29	63,012.0	0.0	0.00	0.00	3.39		
Saturday, August 31, 2019	8/31/19 9:45	24:00	1.00				0.00	0.00	3.32		
Sunday, September 1, 2019	9/1/19 9:45	24:00	1.00				0.00	0.00	3.32		
Monday, September 2, 2019	9/2/19 9:45	24:00	1.00				0.00	0.00	3.32		
Tuesday, September 3, 2019	9/3/19 9:45	24:00	1.00	8.29	63,048.0	36.0	10.62	10.62	3.68		
Wednesday, September 4, 2019	9/4/19 9:45	24:00	1.00	8.29	63,078.0	30.0	8.85	8.85	3.90		
Thursday, September 5, 2019	9/5/19 9:45	24:00	1.00	8.29	63,102.0	24.0	7.08	7.08	4.14		
Friday, September 6, 2019	9/6/19 9:45	24:00	1.00	8.29	63,114.0	12.0	3.54	3.54	4.21		
Saturday, September 7, 2019	9/7/19 9:45	24:00	1.00				0.00	0.00	4.21		
Sunday, September 8, 2019	9/8/19 9:45	24:00	1.00				0.00	0.00	4.21		
Monday, September 9, 2019	9/9/19 9:45	24:00	1.00	8.29	63,143.0	29.0	8.55	8.55	4.49		
Tuesday, September 10, 2019	9/10/19 9:45	24:00	1.00	8.29	63,143.0	0.0	0.00	0.00	4.49		
Wednesday, September 11, 2019	9/11/19 9:45	24:00	1.00	8.29	63,143.0	0.0	0.00	0.00	4.37		
Thursday, September 12, 2019	9/12/19 9:45	24:00	1.00	8.29	63,155.0	12.0	3.54	3.54	4.48		
Friday, September 13, 2019	9/13/19 9:45	24:00	1.00	8.29	63,161.0	6.0	1.77	1.77	4.54		
Saturday, September 14, 2019	9/14/19 9:45	24:00	1.00				0.00	0.00	4.47		
Sunday, September 15, 2019	9/15/19 9:45	24:00	1.00				0.00	0.00	4.47		
Monday, September 16, 2019	9/16/19 9:45	24:00	1.00	8.29	63,172.0	11.0	3.24	3.24	4.58		
Tuesday, September 17, 2019	9/17/19 9:45	24:00	1.00	8.29	63,179.0	7.0	2.06	2.06	4.65		
Wednesday, September 18, 2019	9/18/19 9:45	24:00	1.00	8.29	63,179.0	0.0	0.00	0.00	3.35		
Thursday, September 19, 2019	9/19/19 9:45	24:00	1.00	8.29	63,186.0	7.0	2.06	2.06	2.65		
Friday, September 20, 2019	9/20/19 9:45	24:00	1.00	8.29	63,192.0	6.0	1.77	1.77	2.41		
Saturday, September 21, 2019	9/21/19 9:45	24:00	1.00				0.00	0.00	2.29		
Sunday, September 22, 2019	9/22/19 9:45	24:00	1.00				0.00	0.00	2.11		
Monday, September 23, 2019	9/23/19 9:45	24:00	1.00	8.29	63,199.0	7.0	2.06	2.06	2.18		
Tuesday, September 24, 2019	9/24/19 9:45	24:00	1.00	8.29	63,199.0	0.0	0.00	0.00	2.18		
Wednesday, September 25, 2019	9/25/19 9:45	24:00	1.00	8.29	63,205.0	6.0	1.77	1.77	2.07		
Thursday, September 26, 2019	9/26/19 9:45	24:00	1.00	8.29	63,205.0	0.0	0.00	0.00	2.02		
Friday, September 27, 2019	9/27/19 9:45	24:00	1.00	8.29	63,211.0	6.0	1.77	1.77	2.02		
Saturday, September 28, 2019	9/28/19 9:45	24:00	1.00				0.00	0.00	1.96		
Sunday, September 29, 2019	9/29/19 9:45	24:00	1.00				0.00	0.00	1.96		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, September 30, 2019	9/30/19 9:45	24:00	1.00	8.29	63,217.0	6.0	1.77	1.77	2.02		
Tuesday, October 1, 2019	10/1/19 9:45	24:00	1.00	8.29	63,217.0	0.0	0.00	0.00	2.02		
Wednesday, October 2, 2019	10/2/19 9:45	24:00	1.00	8.29	63,222.0	5.0	1.47	1.47	2.06		
Thursday, October 3, 2019	10/3/19 9:45	24:00	1.00	8.29	63,222.0	0.0	0.00	0.00	1.71		
Friday, October 4, 2019	10/4/19 9:45	24:00	1.00	8.29	63,228.0	6.0	1.77	1.77	1.47		
Saturday, October 5, 2019	10/5/19 9:45	24:00	1.00				0.00	0.00	1.24		
Sunday, October 6, 2019	10/6/19 9:45	24:00	1.00				0.00	0.00	1.12		
Monday, October 7, 2019	10/7/19 9:45	24:00	1.00	8.29	63,235.0	7.0	2.06	2.06	1.19		
Tuesday, October 8, 2019	10/8/19 9:45	24:00	1.00	8.29	63,235.0	0.0	0.00	0.00	1.19		
Wednesday, October 9, 2019	10/9/19 9:45	24:00	1.00	8.29	63,268.0	33.0	9.73	9.73	1.23		
Thursday, October 10, 2019	10/10/19 9:45	24:00	1.00	8.29	63,292.0	24.0	7.08	7.08	1.47		
Friday, October 11, 2019	10/11/19 9:45	24:00	1.00	8.29	63,310.0	18.0	5.31	5.31	1.64		
Saturday, October 12, 2019	10/12/19 9:45	24:00	1.00				0.00	0.00	1.52		
Sunday, October 13, 2019	10/13/19 9:45	24:00	1.00				0.00	0.00	1.47		
Monday, October 14, 2019	10/14/19 9:45	24:00	1.00				0.00	0.00	1.47		
Tuesday, October 15, 2019	10/15/19 9:45	24:00	1.00	8.30	63,346.0	36.0	10.62	10.62	1.82		
Wednesday, October 16, 2019	10/16/19 9:45	24:00	1.00	8.30	63,346.0	0.0	0.00	0.00	1.71		
Thursday, October 17, 2019	10/17/19 9:45	24:00	1.00	8.30	63,352.0	6.0	1.77	1.77	1.70		
Friday, October 18, 2019	10/18/19 9:45	24:00	1.00	8.30	63,440.0	88.0	25.96	25.96	2.57		
Saturday, October 19, 2019	10/19/19 9:45	24:00	1.00				0.00	0.00	2.50		
Sunday, October 20, 2019	10/20/19 9:45	24:00	1.00				0.00	0.00	2.44		
Monday, October 21, 2019	10/21/19 9:45	24:00	1.00	8.31	63,682.0	42.0	12.39	12.39	2.85		
Tuesday, October 22, 2019	10/22/19 9:45	24:00	1.00	8.31	63,706.0	24.0	7.08	7.08	3.09		
Wednesday, October 23, 2019	10/23/19 9:45	24:00	1.00	8.31	63,742.0	36.0	10.62	10.62	3.37		
Thursday, October 24, 2019	10/24/19 9:45	24:00	1.00	8.31	63,806.0	64.0	18.88	18.88	4.00		
Friday, October 25, 2019	10/25/19 9:45	24:00	1.00	8.32	63,866.0	60.0	17.70	17.70	4.53		
Saturday, October 26, 2019	10/26/19 9:45	24:00	1.00				0.00	0.00	4.53		
Sunday, October 27, 2019	10/27/19 9:45	24:00	1.00				0.00	0.00	4.47		
Monday, October 28, 2019	10/28/19 9:45	24:00	1.00	8.32	64,010.0	144.0	42.48	42.48	5.89		
Tuesday, October 29, 2019	10/29/19 9:45	24:00	1.00	8.32	64,081.0	71.0	20.94	20.94	6.59		
Wednesday, October 30, 2019	10/30/19 9:45	24:00	1.00	8.32	64,140.0	59.0	17.40	17.40	7.11		
Thursday, October 31, 2019	10/31/19 9:45	24:00	1.00	8.32	64,176.0	36.0	10.62	10.62	7.46		
Friday, November 1, 2019	11/1/19 9:45	24:00	1.00	8.32	64,292.0	116.0	34.22	34.22	8.55		
Saturday, November 2, 2019	11/2/19 9:45	24:00	1.00				0.00	0.00	8.55		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, November 3, 2019	11/3/19 9:45	24:00	1.00				0.00	0.00	8.50		
Monday, November 4, 2019	11/4/19 9:45	24:00	1.00	8.34	64,537.0	245.0	72.27	72.27	10.90		
Tuesday, November 5, 2019	11/5/19 9:45	24:00	1.00	8.34	64,572.0	35.0	10.32	10.32	11.25		
Wednesday, November 6, 2019	11/6/19 9:45	24:00	1.00	8.34	64,604.0	32.0	9.44	9.44	11.49		
Thursday, November 7, 2019	11/7/19 9:45	24:00	1.00	8.34	64,626.0	22.0	6.49	6.49	11.71		
Friday, November 8, 2019	11/8/19 9:45	24:00	1.00	8.34	64,645.0	19.0	5.60	5.60	11.57		
Saturday, November 9, 2019	11/9/19 9:45	24:00	1.00				0.00	0.00	11.34		
Sunday, November 10, 2019	11/10/19 9:45	24:00	1.00				0.00	0.00	11.16		
Monday, November 11, 2019	11/11/19 9:45	24:00	1.00				0.00	0.00	11.16		
Tuesday, November 12, 2019	11/12/19 9:45	24:00	1.00	8.34	64,716.0	71.0	20.94	20.94	11.86		
Wednesday, November 13, 2019	11/13/19 9:45	24:00	1.00	8.34	64,722.0	6.0	1.77	1.77	11.92		
Thursday, November 14, 2019	11/14/19 9:45	24:00	1.00	8.34	64,741.0	19.0	5.60	5.60	11.75		
Friday, November 15, 2019	11/15/19 9:45	24:00	1.00	8.34	64,764.0	23.0	6.78	6.78	11.98		
Saturday, November 16, 2019	11/16/19 9:45	24:00	1.00				0.00	0.00	11.92		
Sunday, November 17, 2019	11/17/19 9:45	24:00	1.00				0.00	0.00	11.05		
Monday, November 18, 2019	11/18/19 9:45	24:00	1.00	8.35	64,930.0	166.0	48.97	48.97	12.68		
Tuesday, November 19, 2019	11/19/19 9:45	24:00	1.00	8.35	64,989.0	59.0	17.40	17.40	13.26		
Wednesday, November 20, 2019	11/20/19 9:45	24:00	1.00	8.35	65,041.0	52.0	15.34	15.34	13.36		
Thursday, November 21, 2019	11/21/19 9:45	24:00	1.00	8.35	65,067.0	26.0	7.67	7.67	13.38		
Friday, November 22, 2019	11/22/19 9:45	24:00	1.00	8.35	65,092.0	25.0	7.37	7.37	13.27		
Saturday, November 23, 2019	11/23/19 9:45	24:00	1.00				0.00	0.00	12.65		
Sunday, November 24, 2019	11/24/19 9:45	24:00	1.00				0.00	0.00	12.06		
Monday, November 25, 2019	11/25/19 9:45	24:00	1.00	8.36	65,172.0	80.0	23.60	23.60	12.84		
Tuesday, November 26, 2019	11/26/19 9:45	24:00	1.00	8.36	65,191.0	19.0	5.60	5.60	13.03		
Wednesday, November 27, 2019	11/27/19 9:45	24:00	1.00	8.36	65,206.0	15.0	4.42	4.42	11.76		
Thursday, November 28, 2019	11/28/19 9:45	24:00	1.00	8.36	65,206.0	0.0	0.00	0.00	11.06		
Friday, November 29, 2019	11/29/19 9:45	24:00	1.00	8.36	65,229.0	23.0	6.78	6.78	10.71		
Saturday, November 30, 2019	11/30/19 9:45	24:00	1.00				0.00	0.00	10.35		
Sunday, December 1, 2019	12/1/19 9:45	24:00	1.00				0.00	0.00	9.21		
Monday, December 2, 2019	12/2/19 9:45	24:00	1.00	8.36	65,261.0	32.0	9.44	9.44	9.53		
Tuesday, December 3, 2019	12/3/19 9:45	24:00	1.00	8.36	65,284.0	23.0	6.78	6.78	9.75		
Wednesday, December 4, 2019	12/4/19 9:45	24:00	1.00	8.36	65,307.0	23.0	6.78	6.78	7.57		
Thursday, December 5, 2019	12/5/19 9:45	24:00	1.00	8.36	65,329.0	22.0	6.49	6.49	7.44		
Friday, December 6, 2019	12/6/19 9:45	24:00	1.00	8.36	65,352.0	23.0	6.78	6.78	7.35		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE THIRTEEN (LTMH-13)

DAY OF WEEK	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (3.39 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, December 7, 2019	12/7/19 9:45	24:00	1.00				0.00	0.00	7.14		
Sunday, December 8, 2019	12/8/19 9:45	24:00	1.00				0.00	0.00	6.95		
Monday, December 9, 2019	12/9/19 9:45	24:00	1.00	8.37	65,527.0	175.0	51.62	51.62	8.67		
Tuesday, December 10, 2019	12/10/19 9:45	24:00	1.00	8.37	65,649.0	122.0	35.99	35.99	9.87		
Wednesday, December 11, 2019	12/11/19 9:45	24:00	1.00	8.37	65,701.0	52.0	15.34	15.34	10.38		
Thursday, December 12, 2019	12/12/19 9:45	24:00	1.00	8.37	65,753.0	52.0	15.34	15.34	10.20		
Friday, December 13, 2019	12/13/19 9:45	24:00	1.00	8.37	65,753.0	0.0	0.00	0.00	10.14		
Saturday, December 14, 2019	12/14/19 9:45	24:00	1.00				0.00	0.00	9.95		
Sunday, December 15, 2019	12/15/19 9:45	24:00	1.00				0.00	0.00	9.72		
Monday, December 16, 2019	12/16/19 9:45	24:00	1.00	8.38	65,805.0	52.0	15.34	15.34	10.24		
Tuesday, December 17, 2019	12/17/19 9:45	24:00	1.00	8.38	65,856.0	51.0	15.04	15.04	10.74		
Wednesday, December 18, 2019	12/18/19 9:45	24:00	1.00	8.38	65,907.0	51.0	15.04	15.04	9.61		
Thursday, December 19, 2019	12/19/19 9:45	24:00	1.00	8.38	65,944.0	37.0	10.91	10.91	9.39		
Friday, December 20, 2019	12/20/19 9:45	24:00	1.00	8.38	65,967.0	23.0	6.78	6.78	9.11		
Saturday, December 21, 2019	12/21/19 9:45	24:00	1.00				0.00	0.00	8.85		
Sunday, December 22, 2019	12/22/19 9:45	24:00	1.00				0.00	0.00	8.60		
Monday, December 23, 2019	12/23/19 9:45	24:00	1.00	8.38	66,017.0	50.0	14.75	14.75	9.10		
Tuesday, December 24, 2019	12/24/19 9:45	24:00	1.00	8.39	66,067.0	50.0	14.75	14.75	9.59		
Wednesday, December 25, 2019	12/25/19 9:45	24:00	1.00	8.39	66,100.0	33.0	9.73	9.73	9.12		
Thursday, December 26, 2019	12/26/19 9:45	24:00	1.00	8.39	66,120.0	20.0	5.90	5.90	9.13		
Friday, December 27, 2019	12/27/19 9:45	24:00	1.00	8.39	66,174.0	54.0	15.93	15.93	9.52		
Saturday, December 28, 2019	12/28/19 9:45	24:00	1.00				0.00	0.00	9.52		
Sunday, December 29, 2019	12/29/19 9:45	24:00	1.00				0.00	0.00	9.29		
Monday, December 30, 2019	12/30/19 9:45	24:00	1.00	8.39	66,226.0	52.0	15.34	15.34	9.80		
Tuesday, December 31, 2019	12/31/19 9:45	24:00	1.00	8.39	66,286.0	50.0	14.75	14.75	10.29		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019	1/1/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.19		
Wednesday, January 2, 2019	1/2/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.07		
Thursday, January 3, 2019	1/3/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Friday, January 4, 2019	1/4/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Saturday, January 5, 2019	1/5/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 6, 2019	1/6/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 7, 2019	1/7/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Tuesday, January 8, 2019	1/8/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Wednesday, January 9, 2019	1/9/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Thursday, January 10, 2019	1/10/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Friday, January 11, 2019	1/11/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Saturday, January 12, 2019	1/12/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 13, 2019	1/13/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 14, 2019	1/14/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Tuesday, January 15, 2019	1/15/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Wednesday, January 16, 2019	1/16/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Thursday, January 17, 2019	1/17/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Friday, January 18, 2019	1/18/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Saturday, January 19, 2019	1/19/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 20, 2019	1/20/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 21, 2019	1/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, January 22, 2019	1/22/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Wednesday, January 23, 2019	1/23/19 9:45	24:00	1.00	4.08	10,099.0	0.00	0.00	0.00	0.00		
Thursday, January 24, 2019	1/24/19 9:45	24:00	1.00	4.08	10,200.0	101.00	43.35	43.35	1.44		
Friday, January 25, 2019	1/25/19 9:45	24:00	1.00	4.08	10,200.0	0.00	0.00	0.00	1.44		
Saturday, January 26, 2019	1/26/19 9:45	24:00	1.00				0.00	0.00	1.44		
Sunday, January 27, 2019	1/27/19 9:45	24:00	1.00				0.00	0.00	1.44		
Monday, January 28, 2019	1/28/19 9:45	24:00	1.00	4.08	10,200.0	0.00	0.00	0.00	1.44		
Tuesday, January 29, 2019	1/29/19 9:45	24:00	1.00	4.08	10,229.0	29.00	12.45	12.45	1.86		
Wednesday, January 30, 2019	1/30/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Thursday, January 31, 2019	1/31/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Friday, February 1, 2019	2/1/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Saturday, February 2, 2019	2/2/19 9:45	24:00	1.00				0.00	0.00	1.86		
Sunday, February 3, 2019	2/3/19 9:45	24:00	1.00				0.00	0.00	1.86		
Monday, February 4, 2019	2/4/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Tuesday, February 5, 2019	2/5/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Wednesday, February 6, 2019	2/6/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Thursday, February 7, 2019	2/7/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Friday, February 8, 2019	2/8/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Saturday, February 9, 2019	2/9/19 9:45	24:00	1.00				0.00	0.00	1.86		
Sunday, February 10, 2019	2/10/19 9:45	24:00	1.00				0.00	0.00	1.86		
Monday, February 11, 2019	2/11/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Tuesday, February 12, 2019	2/12/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Wednesday, February 13, 2019	2/13/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		
Thursday, February 14, 2019	2/14/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	1.86		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, February 15, 2019	2/15/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.41		
Saturday, February 16, 2019	2/16/19 9:45	24:00	1.00				0.00	0.00	0.41		
Sunday, February 17, 2019	2/17/19 9:45	24:00	1.00				0.00	0.00	0.41		
Monday, February 18, 2019	2/18/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.41		
Tuesday, February 19, 2019	2/19/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.41		
Wednesday, February 20, 2019	2/20/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, February 21, 2019	2/21/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, February 22, 2019	2/22/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, February 23, 2019	2/23/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, February 24, 2019	2/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, February 25, 2019	2/25/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, February 26, 2019	2/26/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, February 27, 2019	2/27/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, February 28, 2019	2/28/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, March 1, 2019	3/1/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, March 2, 2019	3/2/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 3, 2019	3/3/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 4, 2019	3/4/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, March 5, 2019	3/5/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, March 6, 2019	3/6/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, March 7, 2019	3/7/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, March 8, 2019	3/8/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, March 9, 2019	3/9/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 10, 2019	3/10/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 11, 2019	3/11/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, March 12, 2019	3/12/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, March 13, 2019	3/13/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, March 14, 2019	3/14/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, March 15, 2019	3/15/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, March 16, 2019	3/16/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 17, 2019	3/17/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 18, 2019	3/18/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, March 19, 2019	3/19/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, March 20, 2019	3/20/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, March 21, 2019	3/21/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, March 22, 2019	3/22/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, March 23, 2019	3/23/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 24, 2019	3/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 25, 2019	3/25/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, March 26, 2019	3/26/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, March 27, 2019	3/27/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, March 28, 2019	3/28/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, March 29, 2019	3/29/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, March 30, 2019	3/30/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 31, 2019	3/31/19 9:45	24:00	1.00				0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, April 1, 2019	4/1/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, April 2, 2019	4/2/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, April 3, 2019	4/3/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, April 4, 2019	4/4/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, April 5, 2019	4/5/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, April 6, 2019	4/6/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, April 7, 2019	4/7/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, April 8, 2019	4/8/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, April 9, 2019	4/9/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, April 10, 2019	4/10/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, April 11, 2019	4/11/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, April 12, 2019	4/12/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, April 13, 2019	4/13/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, April 14, 2019	4/14/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, April 15, 2019	4/15/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, April 16, 2019	4/16/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, April 17, 2019	4/17/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, April 18, 2019	4/18/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Friday, April 19, 2019	4/19/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Saturday, April 20, 2019	4/20/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, April 21, 2019	4/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, April 22, 2019	4/22/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Tuesday, April 23, 2019	4/23/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Wednesday, April 24, 2019	4/24/19 9:45	24:00	1.00	4.08	10,229.0	0.00	0.00	0.00	0.00		
Thursday, April 25, 2019	4/25/19 9:45	24:00	1.00	4.08	10,399.0	170.00	72.96	72.96	2.43		
Friday, April 26, 2019	4/26/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Saturday, April 27, 2019	4/27/19 9:45	24:00	1.00				0.00	0.00	2.43		
Sunday, April 28, 2019	4/28/19 9:45	24:00	1.00				0.00	0.00	2.43		
Monday, April 29, 2019	4/29/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Tuesday, April 30, 2019	4/30/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Wednesday, May 1, 2019	5/1/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Thursday, May 2, 2019	5/2/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Friday, May 3, 2019	5/3/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Saturday, May 4, 2019	5/4/19 9:45	24:00	1.00				0.00	0.00	2.43		
Sunday, May 5, 2019	5/5/19 9:45	24:00	1.00				0.00	0.00	2.43		
Monday, May 6, 2019	5/6/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Tuesday, May 7, 2019	5/7/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Wednesday, May 8, 2019	5/8/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Thursday, May 9, 2019	5/9/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Friday, May 10, 2019	5/10/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Saturday, May 11, 2019	5/11/19 9:45	24:00	1.00				0.00	0.00	2.43		
Sunday, May 12, 2019	5/12/19 9:45	24:00	1.00				0.00	0.00	2.43		
Monday, May 13, 2019	5/13/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Tuesday, May 14, 2019	5/14/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Wednesday, May 15, 2019	5/15/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, May 16, 2019	5/16/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	2.43		
Friday, May 17, 2019	5/17/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Saturday, May 18, 2019	5/18/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, May 19, 2019	5/19/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, May 20, 2019	5/20/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Tuesday, May 21, 2019	5/21/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Wednesday, May 22, 2019	5/22/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Thursday, May 23, 2019	5/23/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Friday, May 24, 2019	5/24/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Saturday, May 25, 2019	5/25/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, May 26, 2019	5/26/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, May 27, 2019	5/27/19 9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, May 28, 2019	5/28/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Wednesday, May 29, 2019	5/29/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Thursday, May 30, 2019	5/30/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Friday, May 31, 2019	5/31/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Saturday, June 1, 2019	6/1/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 2, 2019	6/2/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 3, 2019	6/3/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Tuesday, June 4, 2019	6/4/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Wednesday, June 5, 2019	6/5/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Thursday, June 6, 2019	6/6/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Friday, June 7, 2019	6/7/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Saturday, June 8, 2019	6/8/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 9, 2019	6/9/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 10, 2019	6/10/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Tuesday, June 11, 2019	6/11/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Wednesday, June 12, 2019	6/12/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Thursday, June 13, 2019	6/13/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Friday, June 14, 2019	6/14/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Saturday, June 15, 2019	6/15/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 16, 2019	6/16/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 17, 2019	6/17/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Tuesday, June 18, 2019	6/18/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Wednesday, June 19, 2019	6/19/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Thursday, June 20, 2019	6/20/19 9:45	24:00	1.00	4.08	10,399.0	0.00	0.00	0.00	0.00		
Friday, June 21, 2019	6/21/19 9:45	24:00	1.00	4.08	10,573.0	174.00	74.68	74.68	2.49		
Saturday, June 22, 2019	6/22/19 9:45	24:00	1.00				0.00	0.00	2.49		
Sunday, June 23, 2019	6/23/19 9:45	24:00	1.00				0.00	0.00	2.49		
Monday, June 24, 2019	6/24/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Tuesday, June 25, 2019	6/25/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Wednesday, June 26, 2019	6/26/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Thursday, June 27, 2019	6/27/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Friday, June 28, 2019	6/28/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Saturday, June 29, 2019	6/29/19 9:45	24:00	1.00				0.00	0.00	2.49		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, June 30, 2019	6/30/19 9:45	24:00	1.00				0.00	0.00	2.49		
Monday, July 1, 2019	7/1/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Tuesday, July 2, 2019	7/2/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Wednesday, July 3, 2019	7/3/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Thursday, July 4, 2019	7/4/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Friday, July 5, 2019	7/5/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Saturday, July 6, 2019	7/6/19 9:45	24:00	1.00				0.00	0.00	2.49		
Sunday, July 7, 2019	7/7/19 9:45	24:00	1.00				0.00	0.00	2.49		
Monday, July 8, 2019	7/8/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Tuesday, July 9, 2019	7/9/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Wednesday, July 10, 2019	7/10/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Thursday, July 11, 2019	7/11/19 9:45	24:00	1.00	4.08	10,573.0	0.00	0.00	0.00	2.49		
Friday, July 12, 2019	7/12/19 9:45	24:00	1.00	4.08	10,600.0	27.00	11.59	11.59	2.88		
Saturday, July 13, 2019	7/13/19 9:45	24:00	1.00				0.00	0.00	0.39		
Sunday, July 14, 2019	7/14/19 9:45	24:00	1.00				0.00	0.00	0.39		
Monday, July 15, 2019	7/15/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Tuesday, July 16, 2019	7/16/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Wednesday, July 17, 2019	7/17/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Thursday, July 18, 2019	7/18/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Friday, July 19, 2019	7/19/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Saturday, July 20, 2019	7/20/19 9:45	24:00	1.00				0.00	0.00	0.39		
Sunday, July 21, 2019	7/21/19 9:45	24:00	1.00				0.00	0.00	0.39		
Monday, July 22, 2019	7/22/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Tuesday, July 23, 2019	7/23/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Wednesday, July 24, 2019	7/24/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Thursday, July 25, 2019	7/25/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Friday, July 26, 2019	7/26/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Saturday, July 27, 2019	7/27/19 9:45	24:00	1.00				0.00	0.00	0.39		
Sunday, July 28, 2019	7/28/19 9:45	24:00	1.00				0.00	0.00	0.39		
Monday, July 29, 2019	7/29/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Tuesday, July 30, 2019	7/30/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Wednesday, July 31, 2019	7/31/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Thursday, August 1, 2019	8/1/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Friday, August 2, 2019	8/2/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.39		
Saturday, August 3, 2019	8/3/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 4, 2019	8/4/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 5, 2019	8/5/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Tuesday, August 6, 2019	8/6/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Wednesday, August 7, 2019	8/7/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Thursday, August 8, 2019	8/8/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Friday, August 9, 2019	8/9/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Saturday, August 10, 2019	8/10/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 11, 2019	8/11/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 12, 2019	8/12/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Tuesday, August 13, 2019	8/13/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, August 14, 2019	8/14/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Thursday, August 15, 2019	8/15/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Friday, August 16, 2019	8/16/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Saturday, August 17, 2019	8/17/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 18, 2019	8/18/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 19, 2019	8/19/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Tuesday, August 20, 2019	8/20/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Wednesday, August 21, 2019	8/21/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Thursday, August 22, 2019	8/22/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Friday, August 23, 2019	8/23/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Saturday, August 24, 2019	8/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 25, 2019	8/25/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 26, 2019	8/26/19 9:45	24:00	1.00	4.08	10,600.0	0.00	0.00	0.00	0.00		
Tuesday, August 27, 2019	8/27/19 9:45	24:00	1.00	4.08	10,650.0	50.00	21.46	21.46	0.72		pumped by hand
Wednesday, August 28, 2019	8/28/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Thursday, August 29, 2019	8/29/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Friday, August 30, 2019	8/30/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Saturday, August 31, 2019	8/31/19 9:45	24:00	1.00				0.00	0.00	0.72		
Sunday, September 1, 2019	9/1/19 9:45	24:00	1.00				0.00	0.00	0.72		
Monday, September 2, 2019	9/2/19 9:45	24:00	1.00				0.00	0.00	0.72		
Tuesday, September 3, 2019	9/3/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Wednesday, September 4, 2019	9/4/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Thursday, September 5, 2019	9/5/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Friday, September 6, 2019	9/6/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Saturday, September 7, 2019	9/7/19 9:45	24:00	1.00				0.00	0.00	0.72		
Sunday, September 8, 2019	9/8/19 9:45	24:00	1.00				0.00	0.00	0.72		
Monday, September 9, 2019	9/9/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Tuesday, September 10, 2019	9/10/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Wednesday, September 11, 2019	9/11/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Thursday, September 12, 2019	9/12/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Friday, September 13, 2019	9/13/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Saturday, September 14, 2019	9/14/19 9:45	24:00	1.00				0.00	0.00	0.72		
Sunday, September 15, 2019	9/15/19 9:45	24:00	1.00				0.00	0.00	0.72		
Monday, September 16, 2019	9/16/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Tuesday, September 17, 2019	9/17/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.72		
Wednesday, September 18, 2019	9/18/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, September 19, 2019	9/19/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Friday, September 20, 2019	9/20/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Saturday, September 21, 2019	9/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, September 22, 2019	9/22/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, September 23, 2019	9/23/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Tuesday, September 24, 2019	9/24/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Wednesday, September 25, 2019	9/25/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, September 26, 2019	9/26/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Friday, September 27, 2019	9/27/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, September 28, 2019	9/28/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, September 29, 2019	9/29/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, September 30, 2019	9/30/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Tuesday, October 1, 2019	10/1/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Wednesday, October 2, 2019	10/2/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, October 3, 2019	10/3/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Friday, October 4, 2019	10/4/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Saturday, October 5, 2019	10/5/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 6, 2019	10/6/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 7, 2019	10/7/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Tuesday, October 8, 2019	10/8/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Wednesday, October 9, 2019	10/9/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, October 10, 2019	10/10/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Friday, October 11, 2019	10/11/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Saturday, October 12, 2019	10/12/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 13, 2019	10/13/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 14, 2019	10/14/19 9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, October 15, 2019	10/15/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Wednesday, October 16, 2019	10/16/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, October 17, 2019	10/17/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Friday, October 18, 2019	10/18/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Saturday, October 19, 2019	10/19/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 20, 2019	10/20/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 21, 2019	10/21/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Tuesday, October 22, 2019	10/22/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Wednesday, October 23, 2019	10/23/19 9:45	24:00	1.00	4.08	10,650.0	0.00	0.00	0.00	0.00		
Thursday, October 24, 2019	10/24/19 9:45	24:00	1.00	4.08	10,703.0	53.00	22.75	22.75	0.76		
Friday, October 25, 2019	10/25/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Saturday, October 26, 2019	10/26/19 9:45	24:00	1.00				0.00	0.00	0.76		
Sunday, October 27, 2019	10/27/19 9:45	24:00	1.00				0.00	0.00	0.76		
Monday, October 28, 2019	10/28/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Tuesday, October 29, 2019	10/29/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Wednesday, October 30, 2019	10/30/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Thursday, October 31, 2019	10/31/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Friday, November 1, 2019	11/1/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Saturday, November 2, 2019	11/2/19 9:45	24:00	1.00				0.00	0.00	0.76		
Sunday, November 3, 2019	11/3/19 9:45	24:00	1.00				0.00	0.00	0.76		
Monday, November 4, 2019	11/4/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Tuesday, November 5, 2019	11/5/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Wednesday, November 6, 2019	11/6/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Thursday, November 7, 2019	11/7/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Friday, November 8, 2019	11/8/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Saturday, November 9, 2019	11/9/19 9:45	24:00	1.00				0.00	0.00	0.76		
Sunday, November 10, 2019	11/10/19 9:45	24:00	1.00				0.00	0.00	0.76		
Monday, November 11, 2019	11/11/19 9:45	24:00	1.00				0.00	0.00	0.76		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, November 12, 2019	11/12/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Wednesday, November 13, 2019	11/13/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Thursday, November 14, 2019	11/14/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.76		
Friday, November 15, 2019	11/15/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, November 16, 2019	11/16/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, November 17, 2019	11/17/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, November 18, 2019	11/18/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, November 19, 2019	11/19/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Wednesday, November 20, 2019	11/20/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Thursday, November 21, 2019	11/21/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Friday, November 22, 2019	11/22/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, November 23, 2019	11/23/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, November 24, 2019	11/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, November 25, 2019	11/25/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, November 26, 2019	11/26/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Wednesday, November 27, 2019	11/27/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Thursday, November 28, 2019	11/28/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Friday, November 29, 2019	11/29/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, November 30, 2019	11/30/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 1, 2019	12/1/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 2, 2019	12/2/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, December 3, 2019	12/3/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Wednesday, December 4, 2019	12/4/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Thursday, December 5, 2019	12/5/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Friday, December 6, 2019	12/6/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, December 7, 2019	12/7/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 8, 2019	12/8/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 9, 2019	12/9/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, December 10, 2019	12/10/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Wednesday, December 11, 2019	12/11/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Thursday, December 12, 2019	12/12/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Friday, December 13, 2019	12/13/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, December 14, 2019	12/14/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 15, 2019	12/15/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 16, 2019	12/16/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, December 17, 2019	12/17/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Wednesday, December 18, 2019	12/18/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Thursday, December 19, 2019	12/19/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Friday, December 20, 2019	12/20/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Saturday, December 21, 2019	12/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 22, 2019	12/22/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 23, 2019	12/23/19 9:45	24:00	1.00	4.08	10,703.0	0.00	0.00	0.00	0.00		
Tuesday, December 24, 2019	12/24/19 9:45	24:00	1.00	4.08	10,766.0	63.00	27.04	27.04	0.90		ran pump
Wednesday, December 25, 2019	12/25/19 9:45	24:00	1.00	4.08	10,766.0	0.00	0.00	0.00	0.90		
Thursday, December 26, 2019	12/26/19 9:45	24:00	1.00	4.08	10,766.0	0.00	0.00	0.00	0.90		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR A (LTMH-4a, Cell 4 Southern Subcell)

DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, December 27, 2019	12/27/19 9:45	24:00	1.00	4.08	10,766.0	0.00	0.00	0.00	0.90		
Saturday, December 28, 2019	12/28/19 9:45	24:00	1.00				0.00	0.00	0.90		
Sunday, December 29, 2019	12/29/19 9:45	24:00	1.00				0.00	0.00	0.90		
Monday, December 30, 2019	12/30/19 9:45	24:00	1.00	4.08	10,766.0	0.00	0.00	0.00	0.90		
Tuesday, December 31, 2019	12/31/19 9:45	24:00	1.00	4.08	10,766.0	0.00	0.00	0.00	0.90		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, January 1, 2019		1/1/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Wednesday, January 2, 2019		1/2/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Thursday, January 3, 2019		1/3/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Friday, January 4, 2019		1/4/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Saturday, January 5, 2019		1/5/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 6, 2019		1/6/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 7, 2019		1/7/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Tuesday, January 8, 2019		1/8/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Wednesday, January 9, 2019		1/9/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Thursday, January 10, 2019		1/10/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Friday, January 11, 2019		1/11/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Saturday, January 12, 2019		1/12/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 13, 2019		1/13/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 14, 2019		1/14/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Tuesday, January 15, 2019		1/15/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Wednesday, January 16, 2019		1/16/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Thursday, January 17, 2019		1/17/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Friday, January 18, 2019		1/18/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Saturday, January 19, 2019		1/19/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, January 20, 2019		1/20/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, January 21, 2019		1/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, January 22, 2019		1/22/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Wednesday, January 23, 2019		1/23/19 9:45	24:00	1.00	14.60	23,701.0	0.00	0.00	0.00	0.00		
Thursday, January 24, 2019		1/24/19 9:45	24:00	1.00	14.73	24,119.0	418.00	179.40	179.40	5.98		
Friday, January 25, 2019		1/25/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Saturday, January 26, 2019		1/26/19 9:45	24:00	1.00				0.00	0.00	5.98		
Sunday, January 27, 2019		1/27/19 9:45	24:00	1.00				0.00	0.00	5.98		
Monday, January 28, 2019		1/28/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Tuesday, January 29, 2019		1/29/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Wednesday, January 30, 2019		1/30/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Thursday, January 31, 2019		1/31/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Friday, February 1, 2019		2/1/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Saturday, February 2, 2019		2/2/19 9:45	24:00	1.00				0.00	0.00	5.98		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, February 3, 2019		2/3/19 9:45	24:00	1.00				0.00	0.00	5.98		
Monday, February 4, 2019		2/4/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Tuesday, February 5, 2019		2/5/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Wednesday, February 6, 2019		2/6/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Thursday, February 7, 2019		2/7/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Friday, February 8, 2019		2/8/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Saturday, February 9, 2019		2/9/19 9:45	24:00	1.00				0.00	0.00	5.98		
Sunday, February 10, 2019		2/10/19 9:45	24:00	1.00				0.00	0.00	5.98		
Monday, February 11, 2019		2/11/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Tuesday, February 12, 2019		2/12/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Wednesday, February 13, 2019		2/13/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Thursday, February 14, 2019		2/14/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Friday, February 15, 2019		2/15/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Saturday, February 16, 2019		2/16/19 9:45	24:00	1.00				0.00	0.00	5.98		
Sunday, February 17, 2019		2/17/19 9:45	24:00	1.00				0.00	0.00	5.98		
Monday, February 18, 2019		2/18/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	5.98		
Tuesday, February 19, 2019		2/19/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Wednesday, February 20, 2019		2/20/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Thursday, February 21, 2019		2/21/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Friday, February 22, 2019		2/22/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Saturday, February 23, 2019		2/23/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, February 24, 2019		2/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, February 25, 2019		2/25/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Tuesday, February 26, 2019		2/26/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Wednesday, February 27, 2019		2/27/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Thursday, February 28, 2019		2/28/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Friday, March 1, 2019		3/1/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Saturday, March 2, 2019		3/2/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 3, 2019		3/3/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 4, 2019		3/4/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Tuesday, March 5, 2019		3/5/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Wednesday, March 6, 2019		3/6/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Thursday, March 7, 2019		3/7/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, March 8, 2019		3/8/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Saturday, March 9, 2019		3/9/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 10, 2019		3/10/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 11, 2019		3/11/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Tuesday, March 12, 2019		3/12/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Wednesday, March 13, 2019		3/13/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Thursday, March 14, 2019		3/14/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Friday, March 15, 2019		3/15/19 9:45	24:00	1.00	14.73	24,119.0	0.00	0.00	0.00	0.00		
Saturday, March 16, 2019		3/16/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, March 17, 2019		3/17/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, March 18, 2019		3/18/19 9:45	24:00	1.00	14.77	24,230.0	111.00	47.64	47.64	1.59		
Tuesday, March 19, 2019		3/19/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Wednesday, March 20, 2019		3/20/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Thursday, March 21, 2019		3/21/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Friday, March 22, 2019		3/22/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Saturday, March 23, 2019		3/23/19 9:45	24:00	1.00				0.00	0.00	1.59		
Sunday, March 24, 2019		3/24/19 9:45	24:00	1.00				0.00	0.00	1.59		
Monday, March 25, 2019		3/25/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Tuesday, March 26, 2019		3/26/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Wednesday, March 27, 2019		3/27/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Thursday, March 28, 2019		3/28/19 9:45	24:00	1.00	14.77	24,230.0	0.00	0.00	0.00	1.59		
Friday, March 29, 2019		3/29/19 9:45	24:00	1.00	14.77	24,238.0	8.00	3.43	3.43	1.70		
Saturday, March 30, 2019		3/30/19 9:45	24:00	1.00				0.00	0.00	1.70		
Sunday, March 31, 2019		3/31/19 9:45	24:00	1.00				0.00	0.00	1.70		
Monday, April 1, 2019		4/1/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Tuesday, April 2, 2019		4/2/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Wednesday, April 3, 2019		4/3/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Thursday, April 4, 2019		4/4/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Friday, April 5, 2019		4/5/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Saturday, April 6, 2019		4/6/19 9:45	24:00	1.00				0.00	0.00	1.70		
Sunday, April 7, 2019		4/7/19 9:45	24:00	1.00				0.00	0.00	1.70		
Monday, April 8, 2019		4/8/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Tuesday, April 9, 2019		4/9/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, April 10, 2019		4/10/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Thursday, April 11, 2019		4/11/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Friday, April 12, 2019		4/12/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	1.70		
Saturday, April 13, 2019		4/13/19 9:45	24:00	1.00				0.00	0.00	0.11		
Sunday, April 14, 2019		4/14/19 9:45	24:00	1.00				0.00	0.00	0.11		
Monday, April 15, 2019		4/15/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Tuesday, April 16, 2019		4/16/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Wednesday, April 17, 2019		4/17/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Thursday, April 18, 2019		4/18/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Friday, April 19, 2019		4/19/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Saturday, April 20, 2019		4/20/19 9:45	24:00	1.00				0.00	0.00	0.11		
Sunday, April 21, 2019		4/21/19 9:45	24:00	1.00				0.00	0.00	0.11		
Monday, April 22, 2019		4/22/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Tuesday, April 23, 2019		4/23/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.11		
Wednesday, April 24, 2019		4/24/19 9:45	24:00	1.00	14.77	24,238.0	0.00	0.00	0.00	0.00		
Thursday, April 25, 2019		4/25/19 9:45	24:00	1.00	14.86	24,544.0	306.00	131.33	131.33	4.38		ran pump
Friday, April 26, 2019		4/26/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Saturday, April 27, 2019		4/27/19 9:45	24:00	1.00				0.00	0.00	4.38		
Sunday, April 28, 2019		4/28/19 9:45	24:00	1.00				0.00	0.00	4.38		
Monday, April 29, 2019		4/29/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Tuesday, April 30, 2019		4/30/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Wednesday, May 1, 2019		5/1/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Thursday, May 2, 2019		5/2/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Friday, May 3, 2019		5/3/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Saturday, May 4, 2019		5/4/19 9:45	24:00	1.00				0.00	0.00	4.38		
Sunday, May 5, 2019		5/5/19 9:45	24:00	1.00				0.00	0.00	4.38		
Monday, May 6, 2019		5/6/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Tuesday, May 7, 2019		5/7/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Wednesday, May 8, 2019		5/8/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Thursday, May 9, 2019		5/9/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Friday, May 10, 2019		5/10/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Saturday, May 11, 2019		5/11/19 9:45	24:00	1.00				0.00	0.00	4.38		
Sunday, May 12, 2019		5/12/19 9:45	24:00	1.00				0.00	0.00	4.38		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, May 13, 2019		5/13/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Tuesday, May 14, 2019		5/14/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Wednesday, May 15, 2019		5/15/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Thursday, May 16, 2019		5/16/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Friday, May 17, 2019		5/17/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Saturday, May 18, 2019		5/18/19 9:45	24:00	1.00				0.00	0.00	4.38		
Sunday, May 19, 2019		5/19/19 9:45	24:00	1.00				0.00	0.00	4.38		
Monday, May 20, 2019		5/20/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	4.38		
Tuesday, May 21, 2019		5/21/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Wednesday, May 22, 2019		5/22/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Thursday, May 23, 2019		5/23/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Friday, May 24, 2019		5/24/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Saturday, May 25, 2019		5/25/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, May 26, 2019		5/26/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, May 27, 2019		5/27/19 9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, May 28, 2019		5/28/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Wednesday, May 29, 2019		5/29/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Thursday, May 30, 2019		5/30/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Friday, May 31, 2019		5/31/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Saturday, June 1, 2019		6/1/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 2, 2019		6/2/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 3, 2019		6/3/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Tuesday, June 4, 2019		6/4/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Wednesday, June 5, 2019		6/5/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Thursday, June 6, 2019		6/6/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Friday, June 7, 2019		6/7/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Saturday, June 8, 2019		6/8/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 9, 2019		6/9/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 10, 2019		6/10/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Tuesday, June 11, 2019		6/11/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Wednesday, June 12, 2019		6/12/19 9:45	24:00	1.00	14.88	24,544.0	0.00	0.00	0.00	0.00		
Thursday, June 13, 2019		6/13/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Friday, June 14, 2019		6/14/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Saturday, June 15, 2019		6/15/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, June 16, 2019		6/16/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, June 17, 2019		6/17/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Tuesday, June 18, 2019		6/18/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Wednesday, June 19, 2019		6/19/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Thursday, June 20, 2019		6/20/19 9:45	24:00	1.00	14.86	24,544.0	0.00	0.00	0.00	0.00		
Friday, June 21, 2019		6/21/19 9:45	24:00	1.00	14.86	24,827.0	283.00	121.46	121.46	4.05		ran pump
Saturday, June 22, 2019		6/22/19 9:45	24:00	1.00				0.00	0.00	4.05		
Sunday, June 23, 2019		6/23/19 9:45	24:00	1.00				0.00	0.00	4.05		
Monday, June 24, 2019		6/24/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Tuesday, June 25, 2019		6/25/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Wednesday, June 26, 2019		6/26/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Thursday, June 27, 2019		6/27/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Friday, June 28, 2019		6/28/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Saturday, June 29, 2019		6/29/19 9:45	24:00	1.00				0.00	0.00	4.05		
Sunday, June 30, 2019		6/30/19 9:45	24:00	1.00				0.00	0.00	4.05		
Monday, July 1, 2019		7/1/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Tuesday, July 2, 2019		7/2/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Wednesday, July 3, 2019		7/3/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Thursday, July 4, 2019		7/4/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Friday, July 5, 2019		7/5/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Saturday, July 6, 2019		7/6/19 9:45	24:00	1.00				0.00	0.00	4.05		
Sunday, July 7, 2019		7/7/19 9:45	24:00	1.00				0.00	0.00	4.05		
Monday, July 8, 2019		7/8/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Tuesday, July 9, 2019		7/9/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Wednesday, July 10, 2019		7/10/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Thursday, July 11, 2019		7/11/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Friday, July 12, 2019		7/12/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Saturday, July 13, 2019		7/13/19 9:45	24:00	1.00				0.00	0.00	4.05		
Sunday, July 14, 2019		7/14/19 9:45	24:00	1.00				0.00	0.00	4.05		
Monday, July 15, 2019		7/15/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Tuesday, July 16, 2019		7/16/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	4.05		
Wednesday, July 17, 2019		7/17/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Thursday, July 18, 2019		7/18/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Friday, July 19, 2019		7/19/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Saturday, July 20, 2019		7/20/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, July 21, 2019		7/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, July 22, 2019		7/22/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Tuesday, July 23, 2019		7/23/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Wednesday, July 24, 2019		7/24/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Thursday, July 25, 2019		7/25/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Friday, July 26, 2019		7/26/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Saturday, July 27, 2019		7/27/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, July 28, 2019		7/28/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, July 29, 2019		7/29/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Tuesday, July 30, 2019		7/30/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Wednesday, July 31, 2019		7/31/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Thursday, August 1, 2019		8/1/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Friday, August 2, 2019		8/2/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Saturday, August 3, 2019		8/3/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 4, 2019		8/4/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 5, 2019		8/5/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Tuesday, August 6, 2019		8/6/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Wednesday, August 7, 2019		8/7/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Thursday, August 8, 2019		8/8/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Friday, August 9, 2019		8/9/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Saturday, August 10, 2019		8/10/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 11, 2019		8/11/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 12, 2019		8/12/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Tuesday, August 13, 2019		8/13/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Wednesday, August 14, 2019		8/14/19 9:45	24:00	1.00	14.95	24,827.0		0.00	0.00	0.00		
Thursday, August 15, 2019		8/15/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Friday, August 16, 2019		8/16/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		
Saturday, August 17, 2019		8/17/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, August 18, 2019		8/18/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, August 19, 2019		8/19/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Tuesday, August 20, 2019	8/20/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00			
Wednesday, August 21, 2019	8/21/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00			
Thursday, August 22, 2019	8/22/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00			
Friday, August 23, 2019	8/23/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00			
Saturday, August 24, 2019	8/24/19 9:45	24:00	1.00				0.00	0.00	0.00			
Sunday, August 25, 2019	8/25/19 9:45	24:00	1.00				0.00	0.00	0.00			
Monday, August 26, 2019	8/26/19 9:45	24:00	1.00	14.95	24,827.0	0.00	0.00	0.00	0.00			
Tuesday, August 27, 2019	8/27/19 9:45	24:00	1.00	14.99	24,949.0	122.00	52.36	52.36	1.75			ran by hand
Wednesday, August 28, 2019	8/28/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Thursday, August 29, 2019	8/29/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Friday, August 30, 2019	8/30/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Saturday, August 31, 2019	8/31/19 9:45	24:00	1.00				0.00	0.00	1.75			
Sunday, September 1, 2019	9/1/19 9:45	24:00	1.00				0.00	0.00	1.75			
Monday, September 2, 2019	9/2/19 9:45	24:00	1.00				0.00	0.00	1.75			
Tuesday, September 3, 2019	9/3/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Wednesday, September 4, 2019	9/4/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Thursday, September 5, 2019	9/5/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Friday, September 6, 2019	9/6/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Saturday, September 7, 2019	9/7/19 9:45	24:00	1.00				0.00	0.00	1.75			
Sunday, September 8, 2019	9/8/19 9:45	24:00	1.00				0.00	0.00	1.75			
Monday, September 9, 2019	9/9/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Tuesday, September 10, 2019	9/10/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Wednesday, September 11, 2019	9/11/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Thursday, September 12, 2019	9/12/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Friday, September 13, 2019	9/13/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Saturday, September 14, 2019	9/14/19 9:45	24:00	1.00				0.00	0.00	1.75			
Sunday, September 15, 2019	9/15/19 9:45	24:00	1.00				0.00	0.00	1.75			
Monday, September 16, 2019	9/16/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Tuesday, September 17, 2019	9/17/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Wednesday, September 18, 2019	9/18/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Thursday, September 19, 2019	9/19/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Friday, September 20, 2019	9/20/19 9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	1.75			
Saturday, September 21, 2019	9/21/19 9:45	24:00	1.00				0.00	0.00	1.75			

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS

LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Sunday, September 22, 2019	9/22/19	9:45	24:00	1.00				0.00	0.00	0.00		
Monday, September 23, 2019	9/23/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Tuesday, September 24, 2019	9/24/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Wednesday, September 25, 2019	9/25/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Thursday, September 26, 2019	9/26/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Friday, September 27, 2019	9/27/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Saturday, September 28, 2019	9/28/19	9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, September 29, 2019	9/29/19	9:45	24:00	1.00				0.00	0.00	0.00		
Monday, September 30, 2019	9/30/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Tuesday, October 1, 2019	10/1/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Wednesday, October 2, 2019	10/2/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Thursday, October 3, 2019	10/3/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Friday, October 4, 2019	10/4/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Saturday, October 5, 2019	10/5/19	9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 6, 2019	10/6/19	9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 7, 2019	10/7/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Tuesday, October 8, 2019	10/8/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Wednesday, October 9, 2019	10/9/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Thursday, October 10, 2019	10/10/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Friday, October 11, 2019	10/11/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Saturday, October 12, 2019	10/12/19	9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 13, 2019	10/13/19	9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 14, 2019	10/14/19	9:45	24:00	1.00				0.00	0.00	0.00		
Tuesday, October 15, 2019	10/15/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Wednesday, October 16, 2019	10/16/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Thursday, October 17, 2019	10/17/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Friday, October 18, 2019	10/18/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Saturday, October 19, 2019	10/19/19	9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, October 20, 2019	10/20/19	9:45	24:00	1.00				0.00	0.00	0.00		
Monday, October 21, 2019	10/21/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Tuesday, October 22, 2019	10/22/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Wednesday, October 23, 2019	10/23/19	9:45	24:00	1.00	14.99	24,949.0	0.00	0.00	0.00	0.00		
Thursday, October 24, 2019	10/24/19	9:45	24:00	1.00	14.99	25,112.0	163.00	69.96	69.96	2.33		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Friday, October 25, 2019		10/25/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Saturday, October 26, 2019		10/26/19 9:45	24:00	1.00				0.00	0.00	2.33		
Sunday, October 27, 2019		10/27/19 9:45	24:00	1.00				0.00	0.00	2.33		
Monday, October 28, 2019		10/28/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Tuesday, October 29, 2019		10/29/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Wednesday, October 30, 2019		10/30/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Thursday, October 31, 2019		10/31/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Friday, November 1, 2019		11/1/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Saturday, November 2, 2019		11/2/19 9:45	24:00	1.00				0.00	0.00	2.33		
Sunday, November 3, 2019		11/3/19 9:45	24:00	1.00				0.00	0.00	2.33		
Monday, November 4, 2019		11/4/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Tuesday, November 5, 2019		11/5/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Wednesday, November 6, 2019		11/6/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Thursday, November 7, 2019		11/7/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Friday, November 8, 2019		11/8/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Saturday, November 9, 2019		11/9/19 9:45	24:00	1.00				0.00	0.00	2.33		
Sunday, November 10, 2019		11/10/19 9:45	24:00	1.00				0.00	0.00	2.33		
Monday, November 11, 2019		11/11/19 9:45	24:00	1.00				0.00	0.00	2.33		
Tuesday, November 12, 2019		11/12/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Wednesday, November 13, 2019		11/13/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Thursday, November 14, 2019		11/14/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Friday, November 15, 2019		11/15/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Saturday, November 16, 2019		11/16/19 9:45	24:00	1.00				0.00	0.00	2.33		
Sunday, November 17, 2019		11/17/19 9:45	24:00	1.00				0.00	0.00	2.33		
Monday, November 18, 2019		11/18/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	2.33		
Tuesday, November 19, 2019		11/19/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Wednesday, November 20, 2019		11/20/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, November 21, 2019		11/21/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, November 22, 2019		11/22/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, November 23, 2019		11/23/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, November 24, 2019		11/24/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, November 25, 2019		11/25/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, November 26, 2019		11/26/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Wednesday, November 27, 2019		11/27/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, November 28, 2019		11/28/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, November 29, 2019		11/29/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, November 30, 2019		11/30/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 1, 2019		12/1/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 2, 2019		12/2/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, December 3, 2019		12/3/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Wednesday, December 4, 2019		12/4/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, December 5, 2019		12/5/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, December 6, 2019		12/6/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, December 7, 2019		12/7/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 8, 2019		12/8/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 9, 2019		12/9/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, December 10, 2019		12/10/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Wednesday, December 11, 2019		12/11/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, December 12, 2019		12/12/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, December 13, 2019		12/13/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, December 14, 2019		12/14/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 15, 2019		12/15/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 16, 2019		12/16/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, December 17, 2019		12/17/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Wednesday, December 18, 2019		12/18/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, December 19, 2019		12/19/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, December 20, 2019		12/20/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, December 21, 2019		12/21/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 22, 2019		12/22/19 9:45	24:00	1.00				0.00	0.00	0.00		
Monday, December 23, 2019		12/23/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, December 24, 2019		12/24/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Wednesday, December 25, 2019		12/25/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Thursday, December 26, 2019		12/26/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Friday, December 27, 2019		12/27/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Saturday, December 28, 2019		12/28/19 9:45	24:00	1.00				0.00	0.00	0.00		
Sunday, December 29, 2019		12/29/19 9:45	24:00	1.00				0.00	0.00	0.00		

CITY OF AUBURN LANDFILL NO. 2
2019 LEAKAGE RATE MEASUREMENTS
LEACHATE TRANSFER MANHOLE FOUR B (LTMH-4b, Cell 4 Northern Subcell)

DAY OF WEEK	DATE	DATE - TIME	TIME SINCE PRIOR READING (hours)	TIME IN DECIMAL FORM (days)	HOUR METER READING (hours)	FLOW METER TOTALIZER READING (gallons)	VOLUME PUMPED SINCE PRIOR READING (gallons)	VOLUME PUMPED DIVIDED BY AREA (2.33 acres)	LEAKAGE RATE (gallons per acre per day - gpad)	30-Day AVERAGE LEAKAGE RATE (over 26 readings)	TOTAL VOLUME PUMPED PER MONTH (gallons)	COMMENTS
Monday, December 30, 2019		12/30/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		
Tuesday, December 31, 2019		12/31/19 9:45	24:00	1.00	15.04	25,112.0	0.00	0.00	0.00	0.00		

LEACHATE ANALYTICAL DATA

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

03/28/19

Report # 032719

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	5.9 C ⁰
pH	SM 18-21 4500-H B	7.84 (S.U.)
T.S.S.	SM 2540 D -2011	13.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R. Wild Jr. took sample @ 9:58 AM. JANUARY + FEBRUARY 2019 - LAGOON FROZEN.

Lab Director Andrea Kloster Date 3/28/19

Analyst Andrea Kloster Date 3/28/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 3/27/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	3/27/19	9:58 am	X		NPW	N/A	1	1L/PL	PH, T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

PH - 7.84 (su)
 Temp - 5.9 °C
 SS - 20.1 mg/L
 TSS - 13.0 mg/L

Custody Transfers

Date

Time

X

Sampled By:

Received By:

X

Relinquished By:

Received By:

Relinquished By:

Received for Lab By: Andrea Klotz

3/27/19

10:08 am

Shipment Method:

Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

04/24/19

Report # 042319

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	15.7 C ⁰
pH	SM 18-21 4500-H B	7.88 (S.U.)
T.S.S.	SM 2540 D -2011	6.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

M. Walters took sample @ 9:45 AM.

Lab Director Andrea Kloster Date 4/24/19

Analyst Andrea Kloster Date 4/24/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 4/23/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	4/23/19	9:45am	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Temp - 15.7 °C
 pH - 7.83
 SS - 0.1 mL/L
 TSS 6.0 mg/L

Custody Transfers

Date

Time

Sampled By:

Received By:

4/23/19

9:45 AM

Relinquished By:

Received By:

4/23/19

9:55 AM

Relinquished By:

Received for Lab By:

4/23/19

9:55 AM

Shipment Method:

Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

05/22/19

Report # 052119

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	14.4 C ⁰
pH	SM 18-21 4500-H B	7.75 (S.U.)
T.S.S.	SM 2540 D -2011	15.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:25 AM.

Lab Director Andrea Kloster Date 5/22/19

Analyst Andrea Kloster Date 5/22/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1	8
2	9
3	10
4	11
5	12
6	13
7	

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 5/21/19

Contact Person: _____ Authorization: _____

Clients Site ID: _____

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	5/21/19	8:25am	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		<i>[Signature]</i>
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

pH - 7.75 (su)
 Temp - 14.4°C
 SS < 21 mg/L
 TSS 1510 mg/L

Custody Transfers

Date	Time
Sampled By: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Received By: <i>[Signature]</i>
Relinquished By: <i>[Signature]</i>	Received for Lab By: <i>[Signature]</i>
Shipment Method: _____	Samples Received Intact <input checked="" type="radio"/> Y <input type="radio"/> N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

07/01/19

Report # 062819

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	24.5 C ⁰
pH	SM 18-21 4500-H B	7.61 (S.U.)
T.S.S.	SM 2540 D -2011	5.0 mg/L
S.S.	SM 2540 F -2011	0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:55 AM. 6/27/19

Lab Director Andrea Kloster Date 7/1/19

Analyst Andrea Kloster Date 7/1/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 6/27/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	06/27/19	8:55 AM	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Custody Transfers

Date

Time

* Sampled By: R. Wild Jr Received By: _____
 * Relinquished By: R. Wild Jr Received By: _____
 Relinquished By: _____ Received for Lab By: A. Koster 6/27/19 9:25 AM
 Shipment Method: _____ Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

07/25/19

Report # 072419

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	23.9 C ⁰
pH	SM 18-21 4500-H B	8.04 (S.U.)
T.S.S.	SM 2540 D -2011	13.0 mg/L
S.S.	SM 2540 F -2011	0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:20 AM. 7/24/19

Lab Director Andrea Kloster Date 7/25/19

Analyst Andrea Kloster Date 7/25/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 7/24/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	7/24/19	8:30am	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Custody Transfers

Date

Time

*

Sampled By: [Signature]

Received By:

*

Relinquished By: [Signature]

Received By:

Relinquished By:

Received for Lab By: Andrew Klotter 7/24/19 8:30am

Shipment Method:

Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

08/23/19

Report # 082219

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	25.2 C ⁰
pH	SM 18-21 4500-H B	8.49 (S.U.)
T.S.S.	SM 2540 D -2011	26.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 9:55 AM. 8/22/19

Lab Director Andrea Kloster Date 8/23/19

Analyst Andrea Kloster Date 8/23/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 8/22/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	8/22/19	9:55am	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Custody Transfers

Date

Time

* Sampled By: [Signature] Received By: [Signature]
 * Relinquished By: [Signature] Received By: [Signature]
 Relinquished By: [Signature] Received for Lab By: [Signature] 8/22/19 10:05am
 Shipment Method: [Signature] Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

09/19/19

Report # 091819

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	19.2 C ⁰
pH	SM 18-21 4500-H B	7.77 (S.U.)
T.S.S.	SM 2540 D -2011	8.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:15 AM. 9/18/19

Lab Director Andrea Kloster Date 9/19/19

Analyst Andrea Kloster Date 9/19/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1		8	
2		9	
3		10	
4		11	
5		12	
6		13	
7			

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 9/18/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	9/18/19	8:15AM	X		NPW	N/A	1	1L/PL	PH., T.S.S., S.S.		<i>AK</i>
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Custody Transfers

Date

Time

* Sampled By: *[Signature]* Received By: _____
 * Relinquished By: *[Signature]* Received By: _____
 Relinquished By: _____ Received for Lab By: *Andrea Klotz* 9/18/19 8:25AM
 Shipment Method: _____ Samples Received Intact: (Y) N

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

10/29/19

Report # 102819

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	13.0 C ⁰
pH	SM 18-21 4500-H B	7.69 (S.U.)
T.S.S.	SM 2540 D -2011	5.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:40AM. 10/28/19

Lah Director

Andrea Kloster

Date

10/29/19

Analyst

Andrea Kloster

Date

10/29/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1	8
2	9
3	10
4	11
5	12
6	13
7	

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 10/28/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	10/28/19	8:40 AM	X		NPW	N/A	1	1L/PL	PH, T.S.S., S.S.		26
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

SS < 0.1mm
 Temp - 13.0 °C
 pH - 7.69 SU
 TSS - 50 mg/L

Custody Transfers

Sampled By: <u>[Signature]</u>	Received By: <u>Cendra Klotter</u>	Date: <u>10/28/19</u>	Time: <u>8:45 AM</u>
Relinquished By: <u>[Signature]</u>	Received By:		
Relinquished By:	Received for Lab By:		
Shipment Method:	Samples Received Intact: <u>(Y)</u> N		

Auburn WPCP Laboratory
35 Bradley Street
Auburn, New York 13021
ELAP 10281 EPA NY01209
NELAP CERTIFIED

Contact Person: Andrea Kloster
315-253-6511

Analytical Report Sheet

11/20/19

Report # 111919

CLIENT Auburn Solid Waste
285 N Division Street
Auburn, N.Y. 13021

Page 1 of 1

Sample History: See Chain Of Custody

Tests required: pH, Temp, TSS, SS

Methods and Results used:

	Method code	Results
Temp	SM 2550 B	3.9 C ⁰
pH	SM 18-21 4500-H B	7.71 (S.U.)
T.S.S.	SM 2540 D -2011	8.0 mg/L
S.S.	SM 2540 F -2011	< 0.1 ml/L

Deviations/Comments:

R Wild Jr. took sample @ 8:39AM. 11/19/19

December 2019 - Lagoon Frozen.

Lab Director

Andrea Kloster

Date

11/20/19

Analyst

Andrea Kloster

Date

11/20/19

City of Auburn
 Water Pollution Control Plant Laboratory
 35 Bradley Street
 Auburn, NY 13021
 ELAP # 10281
 EPA # NY01209

Chain of Custody Record

Phone # (315) 253-6511
 Fax # (315) 255-4148

Lab Sample #'s

1	8
2	9
3	10
4	11
5	12
6	13
7	

Client: Auburn Dept Solid Waste Phone #: (315) 252 6441
 Address: 285 N. Division Street Fax #: (315) 255 4123
Auburn, New York 13021 Date: 11/19/19

Contact Person:

Authorization:

Clients Site ID:

Client's Sample Identifications		Sample Date	Sample Time	Type		Matrix	Preserv. Added	Containers		Analyses	Preserv.	Sampler
				grab	comp.			#	size/ type		Check	Initials
1	landfill leachate	11/19/19	8:30am	X		NPW	N/A	1	1L/PL	PH, T.S.S., S.S.		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

Notes and Hazard Identifications:

Custody Transfers

Date Time

*
*

Sampled By: Richard Wilder

Received By: Andrew Klaten

11/19/19 8:39am

Relinquished By: [Signature]

Received By:

Relinquished By:

Received for Lab By:

Shipment Method:

Samples Received Intact: (Y) N

FINANCIAL ASSURANCE

Table 1

**CITY OF AUBURN LANDFILL
CLOSURE & POST CLOSURE FINANCIAL ASSURANCE COST ESTIMATE SUMMARY
2019**

LANDFILL AREA	CLOSURE COSTS			POST CLOSURE COSTS				TOTAL
	YEAR CLOSED	CLOSURE COST TO DATE	CLOSURE COST REMAINING (2017 Dollars)	POST-CLOSURE REMAINING (Years)	POST-CLOSURE TO DATE	POST-CLOSURE REMAINING (Annual Cost)	POST-CLOSURE REMAINING (Total) Present Value @ 3%	CLOSURE & POST CLOSURE REMAINING TO BE RECOGNIZED
Landfill No. 2	Active	\$2,647,600	\$2,700,527	30	\$139,171	\$184,009	\$3,606,654	\$6,307,181
Landfill No. 1	1992	--	\$0	3	\$1,240,000	\$35,130	\$99,369	\$99,369
TOTALS:		\$2,647,600	\$2,700,527		\$1,379,171	\$219,139	\$3,706,023	\$6,406,550

Notes:

1. Post closure costs to date for Landfill No. 2 include mowing costs.
2. Landfill No. 1 Closure Costs are unknown.
3. Refer to attached Tables 2, 3 and 4 for detailed breakdown of costs.



Rachel Jacobs, Comptroller
City of Auburn
Auburn, New York

We have reviewed the City of Auburn, New York's (the City) compliance with the Financial Assurance Requirements for Local Government Owners/Operators of Municipal Solid Waste Landfill Facilities. As Independent Auditors for the City, we certify that the City satisfies the requirements of the "Local Government Financial Test" for those costs which financial assurance is being demonstrated. Specific financial assurance compliance requirements we are required to communicate to you are summarized as follows:

- 1) "The Financial Component's Audited Financial Statements must be prepared in accordance with Generally Accepted Accounting Principles (GAAP) for Governments and include Governmental Accounting Standards Board (GASB) Statement No. 18 disclosures."

As stated in our Independent Auditors' Report for the year ended June 30, 2019, it is our opinion that "the financial statements present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the City as of June 30, 2019, and the respective changes in financial position and, where applicable, cash flows thereof for the year ended in accordance with accounting principles generally accepted in the United States of America." These principles include the accounting and disclosure for the estimated landfill costs required to be accounted for under GASB Statement No. 18. Note 15 of the audited financial statements contains the disclosures required under GASB Statement No. 18.

- 1) "The Financial Component is not eligible to use the Local Government Financial Test if it has operated a deficit equal to 5% or more of total annual revenue in each of the past two fiscal years."

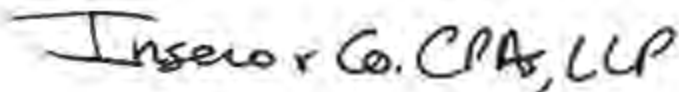
We have reviewed the "Calculation of the Operating Deficit Limit," based on the City's audited basic financial statements for the years ended June 30, 2019 and 2018. Based on this calculation, the City has not operated at a deficit equal to 5% or more of total annual revenue in each of the past two fiscal years, thus complying with this requirement.

- 2) "The Financial Component is not eligible to use the Local Government Financial Test if it has been given an Adverse Auditors' Report."

As stated above, our Independent Auditors' Report on the City's audited financial statements for the year ended June 30, 2019 was an unmodified opinion.

Although not specifically addressed in this letter, we have also reviewed the remaining financial assurance requirements, as outlined by New York State Department of Environmental Conservation, and conclude that the City satisfies those requirements.

Respectfully Submitted,

A handwritten signature in black ink that reads "Inero & Co. CPAs, LLP". The signature is written in a cursive, slightly slanted style.

Inero & Co. CPAs, LLP
Certified Public Accountants

Ithaca, New York
December 17, 2019

CITY OF AUBURN

Auburn, New York

FINANCIAL REPORT

For the Year Ended
June 30, 2019



CITY OF AUBURN

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CITY OF AUBURN

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INDEPENDENT AUDITORS' REPORT

Honorable Mayor and
Members of City Council
City of Auburn
Auburn, New York

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the City of Auburn, New York (the City), as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the City's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We did not audit the financial statements of the Auburn Industrial Development Authority and the Auburn Housing Authority which represent 100% of the City's discretely presented component units. Those financial statements were audited by other auditors whose reports have been furnished to us, and our opinions, insofar as they relate to the amounts included for the Auburn Industrial Development Authority and the Auburn Housing Authority, are based on the reports of other auditors. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Governmental Auditing Standards*, issued by the Comptroller of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the City's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

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We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions.

Opinions

In our opinion, based on our audit and the reports of other auditors, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the City of Auburn, New York, as of June 30, 2019, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of a Matter

As described in Note 22 to the financial statements, the prior year financial statements of the City were restated as a result of an error in the governmental activities and business-type activities opinion units. The correction of this error, because it is material, was necessary to fairly present the City's financial statements as of and for the year ended June 30, 2018 by increasing governmental activities net position by \$1,158,898, and decreasing business-type activities net position by \$1,158,898.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the Management's Discussion and Analysis, budgetary comparison information, Schedules of City's Contributions - NYSLRS Pension Plan, the Schedules of the City's Proportionate Share of Net Pension Liability, Schedule of Changes in the City's Total OPEB Liability and Related Ratios, and the related notes on pages 4-13, and 71-78 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

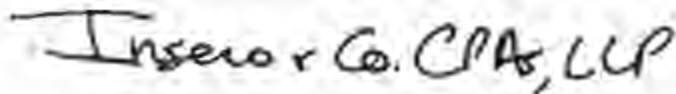
Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the City's financial statements. The combining nonmajor fund financial statements are presented for purposes of additional analysis and are not a required part of the basic financial statements. The Schedule of Expenditures of Federal Awards is presented for purposes of additional analysis as required by Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards*, and is also not a required part of the basic financial statements.

The supplementary information and the Schedule of Expenditures of Federal Awards are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the supplementary information and the Schedule of Expenditures of Federal Awards are fairly stated in all material respects in relation to the basic financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated December 17, 2019 on our consideration of the City's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the City's internal control over financial reporting and compliance.

Respectfully Submitted,

A handwritten signature in dark ink that reads "Inero & Co. CPAs, LLP". The signature is written in a cursive, flowing style.

Inero & Co. CPAs, LLP
Certified Public Accountants

Ithaca, New York
December 17, 2019

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

The following is a discussion and analysis of the City of Auburn's financial performance for the fiscal year ended June 30, 2019. This section is a summary of the City's financial activities based on currently known facts, decisions, or conditions. It is also based on both the Government-wide and fund-based financial statements. The results of the current year are discussed in comparison with the prior year, with an emphasis placed on the current year. The Management's Discussion and Analysis (MD&A) section is only an introduction and should be read in conjunction with the City's financial statements, which immediately follow this section.

FINANCIAL HIGHLIGHTS

- Net position for governmental activities and business-type activities increased 20.76% and 75.59%, respectively.
- Revenue for governmental activities increased 9.85%, while total expenses for governmental activities increased 7.45%.
- Capital assets increased for governmental activities by 14.58% and decreased for business-type activities by 1.49%.
- Total debt for the City's governmental activities and business-type activities increased by 13.41% and 1.92%, respectively
- Resources available for appropriation in the General Fund were \$457,835 more than budgeted and expenditures were \$923,263 less when compared to budget. Expenditures were under budget primarily due to cost reduction efforts.

Using this Annual Report

This annual report consists of a series of basic financial statements. The Statement of Net Position and the Statement of Activities (on pages 14 through 16) provide information about the City as a whole and present a longer-term view of the City's finances. Fund financial statements begin on page 17. For Governmental Activities, these statements tell how these services were financed in the short-term, as well as what remains for future spending. Fund financial statements also report the City's operations in more detail than the Government-wide statements by providing information about the City's most significant funds. The remaining statement provides financial information about activities for which the City acts solely as a trustee or agent for the benefit of those outside the government. Following these statements are notes that provide additional information that is essential to a full understanding of the data provided in the financial statements. In addition to the basic financial statements, the annual report contains budgetary comparison information for the General Fund and Major Special Revenue Funds.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

Reporting the City as a Whole

Our analysis of the City as a whole begins on page 14, with the Government-wide statements. The Statement of Net Position and the Statement of Activities report information about the City as a whole and about its activities in a way that helps answer the question of whether the City, as a whole, is better off or worse off as a result of the year's activities.

These statements include *all* assets, deferred outflows of resources, liabilities and deferred inflows of resources using the *accrual basis of accounting*, which is similar to the accounting used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when cash is received or paid.

These two statements report the City's net position and changes in them. One can think of the City's net position, the difference between assets, deferred outflows of resources, liabilities and deferred inflows of resources, as one way to measure the City's financial health, or financial position. Over time, increases or decreases in the City's net position are one indicator of whether its financial health is improving or deteriorating. One will need to consider other nonfinancial factors, however, such as changes in the City's property tax base and the condition of the City's streets and infrastructure, to assess the overall health of the City.

In the Statement of Net Position and the Statement of Activities, the City is separated into three kinds of activities:

- **Governmental Activities** - Most of the City's services are reported in this category, including public safety, recreation, economic assistance, transportation, general administration, and home and community services. Property and sales taxes, fees for services, and state and federal grants finance most of these activities.
- **Business-type Activities** - The City charges a fee to customers to help it cover all or most of the cost of certain services it provides. The City's solid waste and power utility operations are reported here.
- **Component Units** - The City includes the Auburn Industrial Development Authority (AIDA) and the Auburn Housing Authority (AHA) as component units. The AIDA is a public benefit corporation, established to provide financial and other incentives to promote business and provide jobs in the City of Auburn. Copies of the AIDA's financial statements can be obtained by writing to the Auburn Industrial Development Authority, 2 State Street, Auburn, New York 13021. The AHA is a not-for-profit, exempt organization which includes programs related to public and subsidized housing. Copies of the AHA's financial statements can be obtained by writing to the Auburn Housing Authority, 20 Thornton Ave, Auburn, New York 13021.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

Fund Financial Statements

Analysis of the City's Major Funds begins on page 17. The fund financial statements provide detailed information about the most significant funds - not the City as a whole. Some funds are required to be established by state law. However, management establishes many other funds to help it control and manage money for particular purposes or to show it is meeting legal responsibilities for using certain taxes and grants. The City's two kinds of funds, Governmental and Proprietary, use different accounting approaches.

Governmental Funds

Most of the City's services are reported in the Governmental Funds, which focus on how money flows into and out of those funds and the balances left at year end that are available for spending. These funds are reported using an accounting method called modified accrual accounting, which measures cash and all other financial assets that can be readily converted to cash. The Governmental Fund statements provide a detailed short-term view of the City's general governmental operations and the basic services it provides. Governmental Fund information helps determine whether there are more or fewer financial resources that can be spent in the near future to finance the City's programs. The relationship (or differences) between Governmental Activities (reported in the Government-wide statements) and governmental funds is explained in a reconciliation following the fund financial statements.

Proprietary Funds

When the City charges customers for the services it provides - whether to outside customers or to other units of the City - these services are generally reported in Proprietary Funds. Proprietary Funds are reported in the same way that all activities are reported in the Statement of Net Position and the Statement of Activities. The City's Enterprise Funds (a component of Proprietary Funds) are the same as the Business-type Activities we report in the Government-wide statements, but provide more detail and additional information, such as cash flows, for Proprietary Funds.

The City as Trustee

The City is the trustee, or fiduciary, for other assets that are held on behalf of others. All of the City's fiduciary activities are reported in a separate Statement of Net Position - Fiduciary Funds (page 24). We exclude these activities from the City's other financial statements because the City cannot use these assets to finance its operations. The City is responsible for ensuring that the assets reported in this fund are used for their intended purposes.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

THE CITY AS A WHOLE

The City's combined net position for fiscal year ended June 30, 2019 increased 21.08%, in comparison to last year when net position increased by 20.18%. By far, the largest portion of the City's net position (187.97%) reflects its investment in capital assets (e.g. land, buildings, machinery and equipment, and infrastructure), less any related debt used to acquire those assets that is still outstanding. The City uses these capital assets to provide services to citizens; consequently, these assets are not available for future spending. Although the City's investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided by other sources, as the capital assets themselves cannot be used to liquidate these liabilities.

Our analysis below focuses on the net position (Figure 1), and changes in net position (Figure 2), of the City's Governmental Activities.

Figure 1 - Net Position

<i>Condensed Statement of Net Position</i>	<i>Governmental Activities</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>Current Assets</i>	\$ 26,073,234	\$ 24,492,666	\$ 1,580,568
<i>Other Noncurrent Assets</i>	12,885,220	12,258,924	626,296
<i>Capital Assets, Net</i>	166,540,959	145,343,368	21,197,591
<i>Total Assets</i>	205,499,413	182,094,958	23,404,455
<i>Pensions</i>	4,936,355	9,457,701	(4,521,346)
<i>Other Postemployment Benefits</i>	7,412,338	1,647,958	5,764,380
<i>Deferred Outflows of Resources</i>	12,348,693	11,105,659	1,243,034
<i>Current Liabilities</i>	38,131,558	36,523,358	1,608,200
<i>Noncurrent Liabilities</i>	117,905,742	97,951,467	19,954,275
<i>Total Liabilities</i>	156,037,300	134,474,825	21,562,475
<i>Pensions</i>	3,128,029	9,749,482	(6,621,453)
<i>Other Postemployment Benefits</i>	377,883	692,784	(314,901)
<i>Deferred Inflows of Resources</i>	3,505,912	10,442,266	(6,936,354)
<i>Net Investment in Capital Assets</i>	107,829,164	91,830,603	15,998,561
<i>Unrestricted</i>	(49,524,270)	(43,547,077)	(5,977,193)
<i>Total Net Position</i>	\$ 58,304,894	\$ 48,283,526	\$ 10,021,368

Total assets increased 12.85%. This increase stems from a 14.58% increase in capital assets, net, as capital outlay exceeded depreciation expense.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

Deferred outflows of resources increased 11.19% and deferred inflows of resources decreased 66.43%. These increases and decreases are primarily the result of a net difference between projected and actual investment earnings on pension plan investments for the New York State Local Retirement System (NYSLRS) as well as changes in assumptions and other inputs for other postemployment benefits.

Total liabilities increased 16.03%. This increase is primarily due to an increase in bond anticipation notes and serial bonds, as well as an increase in the City's proportionate share of the net pension liability of the NYSLRS retirement system.

Net investment in capital assets increased 17.42%, primarily due to increases in capital assets. Total net position increased 20.76%. This increase is primarily due to an increase in revenue of 9.85% over the increase in expenses of 7.45%. These increases are discussed in further detail in *Figure 2*.

Figure 2 - Changes in Net Position

Condensed Statement of Activities	Governmental Activities		Total Dollar Change
	2019	2018	2019 - 2018
REVENUES			
<i>Program Revenues:</i>			
<i>Charges for Services</i>	\$ 19,188,754	\$ 20,159,291	\$ (970,537)
<i>Operating Grants</i>	1,731,340	1,830,674	(99,334)
<i>Capital Grants</i>	14,359,582	9,175,373	5,184,209
<i>General Revenues:</i>			
<i>Property Taxes and Tax Items</i>	12,873,022	12,391,920	481,102
<i>Nonproperty Taxes</i>	9,999,740	9,547,548	452,192
<i>State/Federal Sources</i>	5,196,079	5,210,820	(14,741)
<i>Other</i>	1,456,251	677,365	778,886
Total Revenues	\$ 64,804,768	\$ 58,992,991	\$ 5,811,777
PROGRAM EXPENSES			
<i>General Government</i>	\$ 8,020,939	\$ 7,187,199	\$ 833,740
<i>Public Safety</i>	24,877,405	22,215,115	2,662,290
<i>Transportation</i>	3,622,949	3,498,211	124,738
<i>Economic Assistance and Opportunity</i>	50,000	50,000	-
<i>Culture and Recreation</i>	2,306,430	1,933,100	373,330
<i>Home and Community Services</i>	14,304,609	14,504,652	(200,043)
<i>Interest on Long-term Debt</i>	1,277,207	1,301,416	(24,209)
OTHER EXPENSES			
<i>Loss (Gain) on Disposal of Fixed Assets</i>	23,861	16,775	7,086
Total Expenses	\$ 54,483,400	\$ 50,706,468	\$ 3,776,932
<i>Excess Before Transfers</i>	\$ 10,321,368	\$ 8,286,523	\$ 2,034,845
<i>Transfers/Capital Contributions</i>	(300,000)	(375,000)	75,000
Increase in Net Position	\$ 10,021,368	\$ 7,911,523	\$ 2,109,845

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

Total revenue increased 9.85%, while total expenses increased 7.45%. The increase in revenue is due to a large increase in capital grants related to reimbursable capital projects. Total expenses increased primarily due to an increase in OPEB expense.

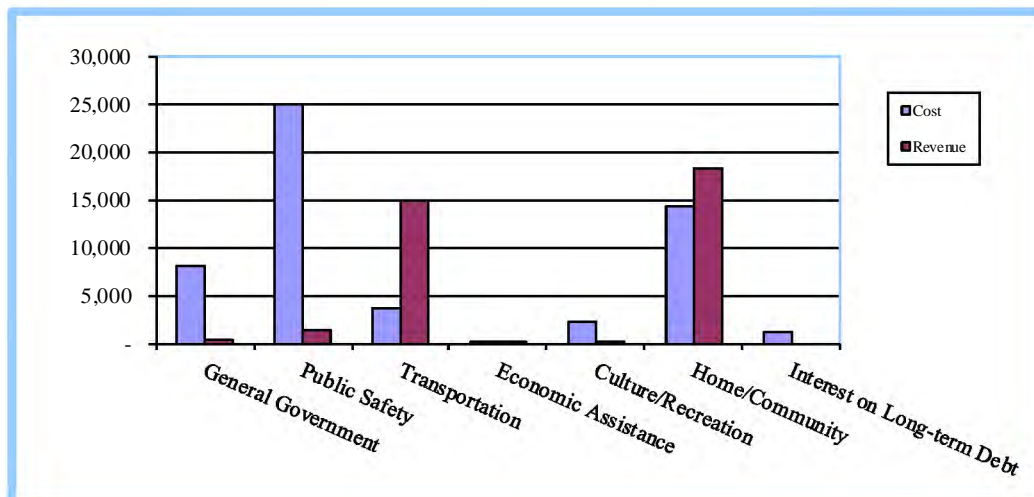
Figure 3
Revenue by Source - Governmental Activities June 30, 2019

Revenue by Source - Governmental Activities		
<i>Charges for Services</i>	\$ 19,188,754	29.61%
<i>Operating Grants</i>	1,731,340	2.67%
<i>Capital Grants</i>	14,359,582	22.16%
<i>Property Taxes</i>	12,873,022	19.86%
<i>Sales, Gross Receipts and Franchise Taxes</i>	9,999,740	15.43%
<i>State/Federal Sources</i>	5,196,079	8.02%
<i>Other</i>	1,456,251	2.26%
Total	\$ 64,804,768	100.00%

The cost of all governmental activities this year was \$54,459,539. However, as shown in the Statement of Activities, the amount that our taxpayers ultimately financed for these activities through City property and payments in lieu of taxes was \$19,179,863, because some of the cost was paid by those who directly benefited from the programs: \$19,188,754; or by other governments and organizations that subsidized certain programs with grants and contributions totaling \$16,090,922. Overall, the City's governmental program revenues, including fees for services and grants, were \$35,279,676. The City paid for the remaining "public benefit" portion of governmental activities with \$29,201,231 in taxes and other revenues, such as interest and general entitlements.

The total cost less revenues generated by activities, or the net cost, for each of the City's largest programs is presented on the next page. The net cost shows the financial burden placed on the City's taxpayers by each of these functions.

Figure 4
Net Program Cost - Governmental Activities



CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

The City's Funds

Figure 5 shows changes in the fund balance for the City's Major and aggregate Non-Major Funds. Total fund balances (deficit) increased by 108.1%. This increase is primarily attributable to the excess of revenue and other financing sources over expenditures and other financing uses in the General Fund.

***Figure 5
Major Governmental Funds
Fund Balance at Year Ended June 30,***

<i>Governmental Fund Balances</i>	<i>Governmental Funds</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>General Fund</i>	\$ 6,401,049	\$ 5,345,920	\$ 1,055,129
<i>Sewer Fund</i>	2,600,093	2,088,229	511,864
<i>Special Grant Fund</i>	797,813	1,152,290	(354,477)
<i>Capital Projects Fund</i>	(11,585,974)	(12,390,066)	804,092
<i>Non-Major Governmental Funds</i>	1,932,858	2,002,951	(70,093)
<i>Totals</i>	\$ 145,839	\$ (1,800,676)	\$ 1,946,515

Business-type Activities

Total assets and total liabilities decreased 6.93% and 7.23%, respectively. Total assets decreased due to a decrease in cash and accounts receivable, resulting from debt payments and decrease in landfill closure/post-closure liability. Total net position increased 75.59%, primarily due to an excess of revenue over expenses totaling \$215,752. Total expenses decreased 7.45%, primarily due to a decrease in landfill closure and post-closure expenses. Total revenue decreased 25.3%. This change stems from a one-time receipt of state aid in the Power Utility Fund in 2018.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

*Figure 6
Major Enterprise Funds
Net Position at Year Ended June 30,*

<i>Condensed Statement of Net Position</i>	<i>Business-Type Activities</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>Current Assets</i>	\$ 4,228,998	\$ 5,696,877	\$ (1,467,879)
<i>Capital Assets, Net</i>	19,436,256	19,731,116	(294,860)
<i>Total Assets</i>	23,665,254	25,427,993	(1,762,739)
<i>Pensions</i>	61,619	128,297	(66,678)
<i>Other Postemployment Benefits</i>	144,332	32,089	112,243
<i>Deferred Outflows of Resources</i>	205,951	160,386	45,565
<i>Current Liabilities</i>	6,534,636	6,401,530	133,106
<i>Noncurrent Liabilities</i>	16,788,586	18,738,926	(1,950,340)
<i>Total Liabilities</i>	23,323,222	25,140,456	(1,817,234)
<i>Pensions</i>	39,432	148,992	(109,560)
<i>Other Postemployment Benefits</i>	7,358	13,490	(6,132)
<i>Deferred Inflows of Resources</i>	46,790	162,482	(115,692)
<i>Net Investment in Capital Assets</i>	2,709,389	3,321,429	(612,040)
<i>Unrestricted</i>	(2,208,196)	(3,035,988)	827,792
<i>Total Net Position</i>	\$ 501,193	\$ 285,441	\$ 215,752

*Figure 7
Major Enterprise Funds
Revenues, Expenses, and Changes in Net Position at Year Ended June 30,*

<i>Condensed Statement of Revenues, Expenses, and Changes in Net Position - Proprietary Funds</i>	<i>Business-Type Activities</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>Operating Revenues</i>	\$ 3,003,753	\$ 4,070,316	\$ (1,066,563)
<i>Nonoperating Revenues</i>	94,646	77,524	17,122
<i>Total Revenues</i>	\$ 3,098,399	\$ 4,147,840	\$ (1,049,441)
<i>Operating Expenses</i>	\$ 2,802,692	\$ 3,151,307	\$ (348,615)
<i>Nonoperating Expenses</i>	379,955	287,574	92,381
<i>Total Expenses</i>	\$ 3,182,647	\$ 3,438,881	\$ (256,234)
<i>Interfund Transfers In</i>	300,000	375,000	(75,000)
<i>Change in Net Position</i>	\$ 215,752	\$ 1,083,959	\$ (868,207)

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

General Fund Budgetary Highlights

Over the course of the year, the City Council, as well as the management of the City, revised the City budget several times. These budget amendments consisted of budget transfers between functions, as well as an increase in estimated revenues of \$1,222,139. Even with these adjustments, actual charges to appropriations (expenditures) were below the final budget by \$923,263.

CAPITAL ASSETS AND DEBT ADMINISTRATION

Capital Assets

At June 30, 2019, the City had invested in a broad range of capital assets totaling \$265,167,865 and \$45,215,096 offset by accumulated depreciation of \$98,626,906 and \$25,778,840 for governmental activities and business-type activities, respectively. *Figure 8* shows the changes in the City's capital assets.

*Figure 8
Capital Assets, Net of Depreciation*

	<i>Governmental Activities</i>		<i>Total Dollar Change</i>	<i>Business-type Activities</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>Land</i>	\$ 4,252,631	\$ 4,252,631	\$ -	\$ 420,187	\$ 420,187	\$ -
<i>Construction in Progress</i>	42,592,021	21,198,819	21,393,202	6,626,236	7,131,390	(505,154)
<i>Buildings and Improvements</i>	29,919,581	30,059,570	(139,989)	5,772,255	5,959,556	(187,301)
<i>Equipment</i>	12,172,747	12,556,239	(383,492)	1,850,127	1,958,850	(108,723)
<i>Infrastructure</i>	77,603,979	77,276,109	327,870	4,767,451	4,261,133	506,318
<i>Totals</i>	\$ 166,540,959	\$ 145,343,368	\$ 21,197,591	\$ 19,436,256	\$ 19,731,116	\$ (294,860)

At year-end, the City had entered into contracts with various vendors for total commitments outstanding of \$5,231,564, of which \$715,389 was committed for general government projects, \$2,684,712 was committed for transportation projects, \$353,243 was committed for culture and recreation, and \$1,478,220 was committed for home and community projects. More detailed information can be found in Note 20 to the financial statements regarding these commitments.

Debt Administration

Total long-term debt increased in 2019 by 13.41% and 1.92% for governmental activities and business-type activities, respectively. Of this amount, \$48,249,513 was subject to the constitutional debt limit and represented 68.0% of the City's statutory debt limit.

CITY OF AUBURN

MANAGEMENT'S DISCUSSION AND ANALYSIS JUNE 30, 2019

***Figure 9
Outstanding Debt at Years Ended***

	<i>Governmental Activities</i>		<i>Total Dollar Change</i>	<i>Business-type Activities</i>		<i>Total Dollar Change</i>
	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>	<i>2019</i>	<i>2018</i>	<i>2019 - 2018</i>
<i>General Obligation Bonds</i>	\$ 36,257,063	\$ 30,973,141	\$ 5,283,922	\$ 13,552,326	\$ 14,853,926	\$ (1,301,600)
<i>BANs</i>	21,017,865	18,514,265	2,503,600	3,163,476	1,543,276	1,620,200
<i>Notes Payable</i>	3,792,025	4,278,766	(486,741)	43,739	47,279	(3,540)
<i>Lease Obligations</i>	187,672	245,308	(57,636)	-	-	-
Totals	\$ 61,254,625	\$ 54,011,480	\$ 7,243,145	\$ 16,759,541	\$ 16,444,481	\$ 315,060

More detailed information about the City's debt is presented in Notes 10, 11, and 12 to the financial statements.

Economic Factors and Next Year's Budgets and Rates

The amount available for appropriation in the 2019-20 General Fund budget is \$35,600,520 which is an increase of 3.92% from the adopted June 30, 2019 budget of \$34,257,715; including appropriations and transfers out. The tax rate increased from \$11.80 per thousand to \$12.09 per thousand.

Contacting the City's Financial Management

This financial report is designed to provide our citizens, taxpayers, customers, investors, and creditors with a general overview of the City's finances and to show the City's accountability for the money it receives. If you have questions about the report or need any additional financial information, contact the City Comptroller at 24 South Street, Auburn, New York.

Basic Financial Statements

CITY OF AUBURN

STATEMENT OF NET POSITION JUNE 30, 2019

	Primary Government			Component Units	
	Governmental Activities	Business-type Activities	Total	Auburn Industrial Development Authority December 31, 2018	Auburn Housing Authority March 31, 2019
ASSETS					
Current Assets					
Cash and Cash Equivalents, Unrestricted	\$ 8,666,209	\$ 2,817,698	\$ 11,483,907	\$ 714,764	\$ 2,033,432
Cash and Cash Equivalents, Restricted	2,552,183	-	2,552,183	-	1,240,874
Investments	8,490	-	8,490	-	253,576
Investments, Restricted	-	-	-	-	30,201
Taxes Receivable, Net	4,346,806	-	4,346,806	-	-
Internal Balances	(31,266)	31,266	-	-	-
Due from State and Federal Governments	6,023,520	1,200,000	7,223,520	-	-
Due from Other Governments	689,548	-	689,548	-	-
Other Receivables	3,701,854	180,034	3,881,888	28,963	474,230
Loans Receivable, Current	115,890	-	115,890	-	-
Prepaid Expenses	-	-	-	-	80,656
Property Leases, Current	-	-	-	122,601	-
Total Current Assets	26,073,234	4,228,998	30,302,232	866,328	4,112,969
Noncurrent Assets					
Restricted Cash, Long-term	932,680	-	932,680	-	-
Investments, Long-term	8,713,463	-	8,713,463	-	-
Loans Receivable, Long-term	3,239,077	-	3,239,077	-	9,426,438
Property Leases, Long-term	-	-	-	1,586,087	-
Capital Assets, Non-depreciable	46,844,652	7,046,423	53,891,075	309,712	276,622
Depreciable Capital Assets, Net	119,696,307	12,389,833	132,086,140	-	5,081,235
Total Noncurrent Assets	179,426,179	19,436,256	198,862,435	1,895,799	14,784,295
Total Assets	205,499,413	23,665,254	229,164,667	2,762,127	18,897,264
DEFERRED OUTFLOWS OF RESOURCES					
Pensions	4,936,355	61,619	4,997,974	-	203,912
Other Postemployment Benefits	7,412,338	144,332	7,556,670	-	-
Total Deferred Outflows of Resources	12,348,693	205,951	12,554,644	-	203,912
Total Assets and Deferred Outflows of Resources	217,848,106	23,871,205	241,719,311	2,762,127	19,101,176
LIABILITIES					
Current Liabilities					
Cash Overdraft	\$ -	\$ 1,469,903	\$ 1,469,903	\$ -	\$ -
Accounts Payable	1,466,023	103,758	1,569,781	673,286	21,134
Accrued Liabilities	901,500	22,243	923,743	-	42,517
Due to Other Governments	2,342,913	-	2,342,913	-	-
Due to Employees' Retirement System	888,901	15,174	904,075	-	-
Bond Anticipation Notes Payable	21,017,865	3,163,476	24,181,341	-	-
Accrued Interest Payable	803,670	129,820	933,490	7,770	-
Unearned Revenue	3,688,903	-	3,688,903	-	4,388
Subtotal Current Liabilities	31,109,775	4,904,374	36,014,149	681,056	68,039

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF NET POSITION (Continued) JUNE 30, 2019

	Primary Government			Component Units	
	Governmental Activities	Business-type Activities	Total	Auburn Industrial Development Authority December 31, 2018	Auburn Housing Authority March 31, 2019
LIABILITIES (Continued)					
Current Portion of Long-term Liabilities:					
Subtotal Current Liabilities	\$ 31,109,775	\$ 4,904,374	\$ 36,014,149	\$ 681,056	\$ 68,039
Lease Obligations Payable	60,057	-	60,057	-	-
Bonds Payable	4,814,702	1,365,358	6,180,060	122,601	-
Notes Payable	503,139	1,468	504,607	-	-
Employees' Retirement System Notes Payable	75,034	5,735	80,769	-	-
Compensated Absences	79,394	3,451	82,845	-	3,023
Self Insurance Liability	105,580	-	105,580	-	-
Claims and Judgments Payable	1,383,877	-	1,383,877	-	-
Landfill Post Closure Liability	-	254,250	254,250	-	-
Total Current Liabilities	38,131,558	6,534,636	44,666,194	803,657	71,062
Long-term Liabilities					
Net Pension Liability - Proportionate Share	7,127,690	103,089	7,230,779	-	60,058
Lease Obligations Payable	127,615	-	127,615	-	-
Bonds Payable	31,442,361	12,186,968	43,629,329	1,586,087	-
Notes Payable	3,288,886	9,597	3,298,483	23,100	-
Employees' Retirement System Notes Payable	352,486	26,939	379,425	-	-
Compensated Absences	1,508,492	65,578	1,574,070	-	27,204
Other Postemployment Benefits	72,359,312	1,408,974	73,768,286	-	1,900,815
Self Insurance Liability	1,698,900	-	1,698,900	-	-
Landfill Post Closure Liability	-	2,987,441	2,987,441	-	-
Total Long-term Liabilities	117,905,742	16,788,586	134,694,328	1,609,187	1,988,077
Total Liabilities	156,037,300	23,323,222	179,360,522	2,412,844	2,059,139
DEFERRED INFLOWS OF RESOURCES					
Pensions	3,128,029	39,432	3,167,461	-	213,520
Other Postemployment Benefits	377,883	7,358	385,241	-	-
Total Deferred Inflows of Resources	3,505,912	46,790	3,552,702	-	213,520
NET POSITION					
Net Investment in Capital Assets	107,829,164	2,709,389	110,538,553	286,612	5,357,857
Restricted	-	-	-	-	1,238,601
Unrestricted	(49,524,270)	(2,208,196)	(51,732,466)	62,671	10,232,059
Total Net Position	\$ 58,304,894	\$ 501,193	\$ 58,806,087	\$ 349,283	\$ 16,828,517

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF ACTIVITIES AND CHANGES IN NET POSITION FOR THE YEAR ENDED JUNE 30, 2019

	Program Revenues				Net (Expense) Revenue and Changes in Net Assets			Component Units	
	Expenses	Charges for Services	Operating Grants and Contributions	Capital Grants and Contributions	Governmental Activities	Business- type Activities	Total Primary Government	Auburn Industrial Development Authority	Auburn Housing Authority
								December 31, 2018	March 31, 2019
PRIMARY GOVERNMENT									
Governmental Activities									
General Government Support	\$ 8,020,939	\$ 286,429	\$ -	\$ -	\$ (7,734,510)	\$ -	\$ (7,734,510)		
Public Safety	24,877,405	1,052,761	390,626	-	(23,434,018)	-	(23,434,018)		
Transportation	3,622,949	372,571	163,663	14,359,582	11,272,867	-	11,272,867		
Economic Assistance and Opportunity	50,000	-	134,655	-	84,655	-	84,655		
Culture and Recreation	2,306,430	124,645	-	-	(2,181,785)	-	(2,181,785)		
Home and Community Services	14,304,609	17,352,348	1,042,396	-	4,090,135	-	4,090,135		
Interest on Long-term Debt	1,277,207	-	-	-	(1,277,207)	-	(1,277,207)		
Total Governmental Activities	54,459,539	19,188,754	1,731,340	14,359,582	(19,179,863)	-	(19,179,863)		
Business-type Activities									
Power Utility Fund	702,298	254,937	29,385	-	-	(417,976)	(417,976)		
Solid Waste	2,480,349	2,719,431	-	-	-	239,082	239,082		
Total Business-type Activities	3,182,647	2,974,368	29,385	-	-	(178,894)	(178,894)		
Total Primary Government	\$ 57,642,186	\$ 22,163,122	\$ 1,760,725	\$ 14,359,582	(19,179,863)	(178,894)	(19,358,757)		
Component Units									
Auburn Industrial Development Authority	\$ 31,142	\$ 12,670	\$ -	\$ -	-	-	-	(18,472)	-
Auburn Housing Authority	3,338,377	757,866	2,192,080	516,150	-	-	-	-	127,719
Total Component Units	\$ 3,369,519	\$ 770,536	\$ 2,192,080	\$ 516,150	-	-	-	(18,472)	127,719
Net (Expense) Revenue and Changes Brought Forward:					(19,179,863)	(178,894)	(19,358,757)	(18,472)	127,719
GENERAL REVENUES									
Real Property Taxes					11,933,428	-	11,933,428	-	-
Real Property Tax Items					939,594	-	939,594	-	-
Sales Taxes					9,278,224	-	9,278,224	-	-
Utilities Gross Receipts Tax					242,331	-	242,331	-	-
Franchise Taxes					479,185	-	479,185	-	-
Use of Money and Property					619,940	43,457	663,397	290	173,714
Sale of Property and Compensation for Loss					397,952	-	397,952	-	-
Miscellaneous Local Sources					438,359	-	438,359	-	216,844
State and Federal Sources not Restricted to Specific Programs					5,196,079	-	5,196,079	-	-
Gain (Loss) on Disposal of Assets					(23,861)	51,189	27,328	-	-
Transfers - Internal Activities					(300,000)	300,000	-	-	-
Total General Revenues and Transfers					29,201,231	394,646	29,595,877	290	390,558
Change in Net Position					10,021,368	215,752	10,237,120	(18,182)	518,277
Net Position - Beginning of Year					48,283,526	285,441	48,568,967	367,465	16,310,240
Net Position - End of Year					\$ 58,304,894	\$ 501,193	\$ 58,806,087	\$ 349,283	\$ 16,828,517

See Notes to Financial Statements

CITY OF AUBURN

BALANCE SHEET - GOVERNMENTAL FUNDS JUNE 30, 2019

	Major Funds			Total Non-Major Governmental Funds	Total Governmental Funds
	General Fund	Special Revenue Funds	Capital Projects Fund		
		Sewer Fund	Special Grant Fund		
ASSETS					
Cash and Cash Equivalents, Unrestricted	\$ 3,893,650	\$ 615,158	\$ 891,560	\$ 1,665,046	\$ 8,666,209
Cash and Cash Equivalents, Restricted	-	-	-	9,353	3,484,863
Investments	8,716,611	2,861	-	2,481	8,721,953
Taxes Receivable, Net	4,346,806	-	-	-	4,346,806
Due from Other Funds	241,959	601,460	-	11,785	877,740
Due from State and Federal Governments	220,353	-	22,473	-	6,023,520
Due from Other Governments	689,548	-	-	-	689,548
Other Receivables	280,863	1,700,192	-	1,283,745	3,701,854
Loans Receivable, Net	-	-	3,354,967	-	3,354,967
Total Assets	\$ 18,389,790	\$ 2,919,671	\$ 4,269,000	\$ 2,972,410	\$ 39,867,460
LIABILITIES					
Accounts Payable	\$ 452,498	\$ 88,645	\$ 78,639	\$ 208,874	\$ 1,466,023
Accrued Liabilities	758,303	61,264	-	81,933	901,500
Due to Other Funds	10,390	117,180	37,581	702,361	909,006
Due to Other Governments	2,342,913	-	-	-	2,342,913
Due to Retirement System	790,028	52,489	-	46,384	888,901
Bond Anticipation Notes Payable	-	-	-	-	21,017,865
Unearned Revenue	3,688,903	-	-	-	3,688,903
Total Liabilities	8,043,035	319,578	116,220	1,039,552	31,215,111
DEFERRED INFLOWS OF RESOURCES					
Unavailable Revenue - Not Collected in the Recognition Period	3,945,706	-	3,354,967	-	8,506,510
FUND BALANCES					
Nonspendable	-	-	-	9,353	9,353
Committed	1,012,740	773	-	34,209	1,047,722
Assigned	802,085	2,599,320	797,813	1,889,296	6,088,514
Unassigned	4,586,224	-	-	-	(6,999,750)
Total Fund Balances (Deficit)	6,401,049	2,600,093	797,813	1,932,858	145,839
Total Liabilities, Deferred Inflows of Resources and Fund Balances	\$ 18,389,790	\$ 2,919,671	\$ 4,269,000	\$ 2,972,410	\$ 39,867,460

See Notes to Financial Statements

CITY OF AUBURN

RECONCILIATION OF GOVERNMENTAL FUND BALANCES TO THE STATEMENT OF NET POSITION JUNE 30, 2019

Total Governmental Fund Balances (Deficit)		\$ 145,839
Capital assets, net of accumulated depreciation, used in governmental activities are not financial resources and, therefore, are not reported in the funds.		
Capital Assets	\$ 265,167,865	
Accumulated Depreciation	<u>(98,626,906)</u>	166,540,959
The City's proportionate share of the local retirement systems' collective net pension liability is not reported in the funds.		
Net Pension Liability - Proportionate Share		(7,127,690)
Certain accrued expenses reported in the Statement of Net Position do not require the use of current financial resources and, therefore, are not reported as liabilities in the funds.		
Accrued Interest Payable	\$ (803,670)	
Employees' Retirement System Note Payable	(427,520)	
Compensated Absences	(1,587,886)	
Self Insurance Liability	(1,804,480)	
Other Postemployment Benefits Liability	(72,359,312)	
Claims and Judgments	<u>(1,383,877)</u>	(78,366,745)
Long term liabilities, including bonds payable, lease obligations payable, and notes payable are not due and payable in the current period and, therefore, are not reported in the funds.		
Bonds Payable	\$ (36,257,063)	
Leases Payable	(187,672)	
Notes Payable	<u>(3,792,025)</u>	(40,236,760)
Deferred outflows of resources, including pensions and other postemployment benefits, represents a consumption of net position that applies to future periods and, therefore, is not reported in the funds. Deferred inflows of resources, including unavailable revenue, pensions, and other postemployment benefits, represents an acquisition of net position that applies to future periods and, therefore, is not reported in the funds.		
Deferred Outflows of Resources - Pensions	\$ 4,936,355	
Deferred Outflows of Resources - Other Postemployment Benefits	7,412,338	
Unavailable Revenue	8,506,510	
Deferred Inflows of Resources - Pensions	(3,128,029)	
Deferred Inflows of Resources - Other Postemployment Benefits	<u>(377,883)</u>	<u>17,349,291</u>
Net Position of Governmental Activities		<u><u>\$ 58,304,894</u></u>

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES GOVERNMENTAL FUNDS JUNE 30, 2019

	General Fund	Special Revenue Funds Sewer Fund	Special Grant Fund	Capital Projects Fund	Total Non-Major Governmental Funds	Total Governmental Funds
REVENUES						
Real Property Taxes	\$12,072,852	\$ -	\$ -	\$ -	\$ -	\$ 12,072,852
Real Property Tax Items	939,594	-	-	-	-	939,594
Nonproperty Taxes	9,999,740	-	-	-	-	9,999,740
Departmental Income	967,700	7,955,526	189,747	-	6,205,475	15,318,448
Intergovernmental Charges	306,154	-	-	-	-	306,154
Use of Money and Property	580,101	1,236	34,612	-	3,991	619,940
Licenses and Permits	198,978	-	-	-	-	198,978
Fines and Forfeitures	375,439	-	-	-	-	375,439
Sale of Property and Compensation for Loss	298,342	1,054	-	-	98,556	397,952
Miscellaneous Local Sources	108,949	-	-	329,410	-	438,359
Interfund Revenue	3,378,353	-	-	-	-	3,378,353
State Sources	6,422,377	-	-	7,034,205	-	13,456,582
Federal Sources	289,110	-	1,042,396	6,479,742	19,171	7,830,419
Total Revenues	35,937,689	7,957,816	1,266,755	13,843,357	6,327,193	65,332,810
EXPENDITURES						
General Government Support	3,756,293	976,559	-	-	883,167	5,616,019
Public Safety	13,914,188	-	-	-	34,019	13,948,207
Transportation	1,245,491	-	-	-	-	1,245,491
Economic Assistance and Opportunity	50,000	-	-	-	-	50,000
Culture and Recreation	1,511,625	-	-	-	47,000	1,558,625
Home and Community Services	538,482	2,652,846	1,621,232	-	3,116,637	7,929,197
Employee Benefits	10,229,024	797,211	-	-	836,632	11,862,867
Subtotal Expenditures	\$ 31,245,103	\$ 4,426,616	\$ 1,621,232	\$ -	\$ 4,917,455	\$ 42,210,406

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES GOVERNMENTAL FUNDS (Continued) JUNE 30, 2019

	General Fund	Special Revenue Funds		Capital Projects Fund	Total Non-Major Governmental Funds	Total Governmental Funds
		Sewer Fund	Special Grant Fund			
EXPENDITURES (Continued)						
Subtotal Expenditures	\$31,245,103	\$ 4,426,616	\$ 1,621,232	\$ -	\$ 4,917,455	\$ 42,210,406
Debt Service:						
Debt Principal	2,804,074	2,725,849	-	-	1,211,932	6,741,855
Debt Interest	550,802	280,220	-	-	330,220	1,161,242
Capital Outlay	-	-	-	24,726,190	-	24,726,190
Total Expenditures	<u>34,599,979</u>	<u>7,432,685</u>	<u>1,621,232</u>	<u>24,726,190</u>	<u>6,459,607</u>	<u>74,839,693</u>
Excess of Revenue (Expenditures)	<u>1,337,710</u>	<u>525,131</u>	<u>(354,477)</u>	<u>(10,882,833)</u>	<u>(132,414)</u>	<u>(9,506,883)</u>
OTHER FINANCING SOURCES (USES)						
Interfund Transfers In	76,971	-	-	241,536	2,350	320,857
Interfund Transfers Out	(515,300)	(28,536)	-	(36,011)	(41,010)	(620,857)
Bond Anticipation Notes						
Redeemed from Appropriations	-	-	-	1,739,100	-	1,739,100
Proceeds from Long-term Debt	-	-	-	9,742,300	-	9,742,300
Premium on Obligations	155,748	15,269	-	-	100,981	271,998
Total Other Financing Sources (Uses)	<u>(282,581)</u>	<u>(13,267)</u>	<u>-</u>	<u>11,686,925</u>	<u>62,321</u>	<u>11,453,398</u>
Net Changes in Fund Balances	1,055,129	511,864	(354,477)	804,092	(70,093)	1,946,515
Fund Balances (Deficit) - Beginning of Year	<u>5,345,920</u>	<u>2,088,229</u>	<u>1,152,290</u>	<u>(12,390,066)</u>	<u>2,002,951</u>	<u>(1,800,676)</u>
Fund Balances (Deficit) - End of Year	<u>\$ 6,401,049</u>	<u>\$ 2,600,093</u>	<u>\$ 797,813</u>	<u>\$(11,585,974)</u>	<u>\$ 1,932,858</u>	<u>\$ 145,839</u>

See Notes to Financial Statements

CITY OF AUBURN

RECONCILIATION OF THE GOVERNMENTAL FUNDS STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES TO THE STATEMENT OF ACTIVITIES AND CHANGES IN NET POSITION FOR THE YEAR ENDED JUNE 30, 2019

Net Change in Fund Balances of Governmental Funds		\$ 1,946,515
Governmental funds report capital outlay as expenditures, however, in the Statement of Activities, the cost of those assets are depreciated over their estimated useful lives.		
Capital Outlay	\$ 26,317,482	
Net Book Value of Disposed Assets	(23,862)	
Depreciation	<u>(5,096,029)</u>	21,197,591
Revenues in the Statement of Activities that do not provide current financial resources are not reported as revenues in the funds. This is the change in unavailable revenue in the Governmental Funds.		
		(528,042)
Debt related proceeds provide current financial resources to Governmental Funds, but issuing debt increases long-term liabilities in the Statement of Net Position. Repayment of debt principal is an expenditure in the Governmental Funds, but the repayment reduces long-term liabilities in the Statement of Net Position.		
Long-term Debt Issued	\$ (9,742,300)	
Repayment of Debt	<u>5,002,755</u>	(4,739,545)
Changes in certain liabilities reflected in the Statement of Activities do not affect current financial resources and, therefore, are not reflected in the Governmental Funds.		
Accrued Interest Payable	\$ (387,963)	
Employees' Retirement System Note Payable	75,902	
Compensated Absences	(286,664)	
Self Insurance Liability	(476,037)	
Other Postemployment Benefits Liability	(5,808,441)	
Claims and Judgments	<u>(16,272)</u>	(6,899,475)
Changes in the City's proportionate share of net pension liabilities have no effect on current financial resources and therefore are not reported in the Governmental Funds. In addition, changes in the City's deferred outflows of resources and deferred inflows of resources related to pensions do not affect current financial resources and are also not reported in the Governmental Funds.		
ERS	\$ (205,170)	
PFRS	<u>(750,506)</u>	<u>(955,676)</u>
Change in Net Position of Governmental Activities		<u><u>\$ 10,021,368</u></u>

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF NET POSITION - PROPRIETARY FUNDS JUNE 30, 2019

	Business-type Activities		
	Enterprise Funds		
	Power Utility Fund	Solid Waste Fund	Total
ASSETS			
Current Assets			
Cash and Cash Equivalents, Unrestricted	\$	\$ 2,817,698	\$ 2,817,698
Accounts Receivable, Net		180,034	180,034
Due from Other Funds	23,657	43,109	66,766
Due from State and Federal Governments	1,200,000		1,200,000
Total Current Assets	1,223,657	3,040,841	4,264,498
Noncurrent Assets			
Capital Assets, Non-depreciable	6,727,036	319,387	7,046,423
Depreciable Capital Assets, Net	9,614,291	2,775,542	12,389,833
Total Noncurrent Assets	16,341,327	3,094,929	19,436,256
Total Assets	17,564,984	6,135,770	23,700,754
DEFERRED OUTFLOWS OF RESOURCES			
Pensions	6,204	55,415	61,619
Other Postemployment Benefits	6,045	138,287	144,332
Total Deferred Outflows of Resources	12,249	193,702	205,951
LIABILITIES			
Current Liabilities			
Cash Overdraft	1,469,903		1,469,903
Accounts Payable	1,142	102,616	103,758
Accrued Liabilities	878	21,365	22,243
Due to Other Funds		35,500	35,500
Due to Employees' Retirement System	1,924	13,250	15,174
Bonds Payable	614,306	751,052	1,365,358
Note Payable		1,468	1,468
Compensated Absences		3,451	3,451
Other Postemployment Benefits	59,015	1,349,959	1,408,974
Employees' Retirement System Note Payable		5,735	5,735
Landfill Post Closure Liability		254,250	254,250
Bond Anticipation Notes Payable	3,163,476		3,163,476
Bond Interest Payable	125,419	4,401	129,820
Total Current Liabilities	5,436,063	2,543,047	7,979,110
Non-current Liabilities			
Net Pension Liability - Proportionate Share	10,380	92,709	103,089
Bonds Payable	11,394,876	792,092	12,186,968
Note Payable		9,597	9,597
Compensated Absences		65,578	65,578
Employees' Retirement System Note Payable		26,939	26,939
Landfill Post Closure Liability		2,987,441	2,987,441
Total Non-current Liabilities	11,405,256	3,974,356	15,379,612
Total Liabilities	16,841,319	6,517,403	23,358,722
DEFERRED INFLOWS OF RESOURCES			
Pensions	3,970	35,462	39,432
Other Postemployment Benefits	308	7,050	7,358
Total Deferred Inflows of Resources	4,278	42,512	46,790
NET POSITION			
Net Investment in Capital Assets	1,168,669	1,540,720	2,709,389
Unrestricted (Deficit)	(437,033)	(1,771,163)	(2,208,196)
Total Net Position	\$ 731,636	\$ (230,443)	\$ 501,193

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION - PROPRIETARY FUNDS FOR THE YEAR ENDED JUNE 30, 2019

	Business-type Activities		
	Enterprise Funds		
	Power Utility Fund	Solid Waste Fund	Total
REVENUES			
Charges for Services	\$ 254,937	\$ 2,719,431	\$ 2,974,368
Miscellaneous Local Services	29,385	-	29,385
Total Operating Revenues	284,322	2,719,431	3,003,753
OPERATING EXPENSES			
Salaries and Wages	29,149	465,460	494,609
Contractual Services	59,398	1,383,005	1,442,403
Employee Benefits	26,539	304,173	330,712
Depreciation and Amortization	285,073	249,895	534,968
Total Operating Expenses	400,159	2,402,533	2,802,692
Income (Loss) from Operations	(115,837)	316,898	201,061
NON-OPERATING REVENUES (EXPENSES)			
Interest Revenue	-	43,457	43,457
Gain on Sale of Assets	-	51,189	51,189
Interest Expense	(302,139)	(77,816)	(379,955)
Total Non-Operating Revenues (Expenses)	(302,139)	16,830	(285,309)
Net Income Before Transfers	(417,976)	333,728	(84,248)
Interfund Transfers In	300,000	-	300,000
Net Increase (Decrease) in Net Position	(117,976)	333,728	215,752
Net Position (Deficit) - Beginning of Year	849,612	(564,171)	285,441
Net Position (Deficit) - End of Year	\$ 731,636	\$ (230,443)	\$ 501,193

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF CASH FLOWS - PROPRIETARY FUNDS FOR THE YEAR ENDED JUNE 30, 2019

	Business-Type Activities		
	Enterprise Funds		
	Power Utility Fund	Solid Waste Fund	Total
Cash Flows from Operating Activities			
Cash Received from Providing Services	\$ 254,937	\$ 3,068,699	\$ 3,323,636
Cash Received from Other Funds and Other Sources	29,385	-	29,385
Cash Payments - Employees	(36,519)	(455,031)	(491,550)
Cash Payments - Employee Benefits	(21,309)	(180,101)	(201,410)
Cash Payments - Suppliers	(71,974)	(2,610,912)	(2,682,886)
Net Cash Provided (Used) by Operating Activities	154,520	(177,345)	(22,825)
Cash Flows from Non-Capital and Financing Activities			
Transfers to Other Funds	393,910	(121,579)	272,331
Cash Flows from Capital and Related Financing Activities			
Proceeds from Bond Anticipation Notes	3,163,476	-	3,163,476
Payments of Bond Anticipation Notes	(1,543,276)	-	(1,543,276)
Payments on Bonds and Notes	(566,100)	(739,040)	(1,305,140)
Interest Expense	(240,137)	(79,623)	(319,760)
Proceeds from the Sale of Assets	-	51,189	51,189
Purchase of Capital Assets	(116,769)	(123,339)	(240,108)
Net Cash Provided (Used) by Capital and Related Financing Activities	697,194	(890,813)	(193,619)
Cash Flows from Investing Activities			
Interest Income	-	43,457	43,457
Change in Cash and Cash Equivalents	1,245,624	(1,146,280)	99,344
Cash and Cash Equivalents - Beginning of Year	(2,715,527)	3,963,978	1,248,451
Cash and Cash Equivalents - End of Year	\$ (1,469,903)	\$ 2,817,698	\$ 1,347,795
Reconciliation of Income from Operations to Net Cash Provided (Used) by Operating Activities			
Income from Operations	\$ (115,837)	\$ 316,898	\$ 201,061
Depreciation and Amortization	285,073	249,895	534,968
Change in Assets and Liabilities:			
Accounts Receivable	-	349,268	349,268
Accounts Payable	(12,576)	(250,493)	(263,069)
Accrued Liabilities and Compensated Absences	(7,370)	10,429	3,059
Due to Employees' Retirement System	297	1,311	1,608
Landfill Post Closure Liability	-	(977,414)	(977,414)
Net Pension Liability - Proportionate Share and Related Deferred Inflows and Outflows	195	14,397	14,592
Other Postemployment Benefits Liability and Related Deferred Inflows and Outflows	4,738	108,364	113,102
Net Cash Provided (Used) by Operating Activities	\$ 154,520	\$ (177,345)	\$ (22,825)
Reconciliation of Total Cash and Cash Equivalents			
Current Assets - Unrestricted Cash and Cash Equivalents	\$ -	\$ 2,817,698	\$ 2,817,698
Current Liabilities - Cash Overdraft	(1,469,903)	-	(1,469,903)
Total Cash and Cash Equivalents	\$ (1,469,903)	\$ 2,817,698	\$ 1,347,795

See Notes to Financial Statements

CITY OF AUBURN

STATEMENT OF NET POSITION - FIDUCIARY FUNDS JUNE 30, 2019

ASSETS

Cash and Cash Equivalents, Unrestricted	\$ 35,832
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LIABILITIES

Total Liabilities	\$ 35,832
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See Notes to Financial Statements

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies**

The financial statements of the City of Auburn, New York (the “City”) have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental units. The City’s reporting entity applies all relevant Governmental Accounting Standards Board (GASB) pronouncements. The Governmental Accounting Standards Board (GASB) is the accepted standard setting body for establishing governmental accounting and financial reporting principles.

Reporting Entity

The City of Auburn, New York, located in Cayuga County, was incorporated and its original charter enacted July 15, 1914. An amended charter was enacted and became effective January 1, 1940. The City of Auburn, New York is governed by its charter, other general laws of the State of New York (the State), and various local laws.

The governing body of the City consists of a Mayor and City Councilors who make up the City Council. The City Manager is the chief executive officer, who provides for the enforcement of all general and local laws, and rules and regulations of the Council. The Comptroller is the chief fiscal officer and is responsible for the receiving, disbursing, and holding of all City monies, and the books of account of the City. In addition, the chief fiscal officer is responsible for the payment of all lawful claims against the City.

The following basic services are provided by the City: public safety (police and fire), highways and streets, solid waste management, health, culture-recreation, public improvements, planning and zoning, utilities, and general administration.

All governmental activities and functions performed for the City of Auburn, New York are its direct responsibility. The basic financial statements include all funds of the primary government, which is the City, organizations for which the primary government is financially accountable, and other organizational entities determined to be included in the City’s reporting entity in accordance with GASB Statement No. 14, as amended.

Related Organizations

Related organizations include the Auburn Local Development Corporation (ALDC).

The purpose of the ALDC is to plan, promote, coordinate, and execute programs in the City of Auburn, New York in order to improve the quality of life for its residents.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

This agency is excluded from the City's reporting entity for the following reasons:

- Employment and personnel are controlled by its separate agency;
- The City has no significant influence in operations;
- The City has no budgetary authority over this agency;
- The ALDC maintains control over its fiscal management;
- The ALDC does not provide a financial benefit or a financial burden to the City.

Discretely Presented Component Units

The accompanying financial statements present the activities of the City and its two component units, legally separate organizations for which the City is financially accountable. The decision to include a potential component unit in the City's reporting entity is based on several criteria including legal standing, fiscal dependency and financial accountability. Based on the application of these criteria, the following two authorities have been included as discretely presented component units:

- **Auburn Industrial Development Authority**

The Auburn Industrial Development Authority (the "AIDA") is a public benefit corporation, established in 1969 by the state legislature to provide financial and other incentives to promote business and provide jobs in the City. The chairman of AIDA is appointed by the mayor of the City and is subject to confirmation by the City Council. The City is not liable for AIDA's bonds or notes. The City is financially accountable for AIDA and provided administrative support at no cost to AIDA through May 31, 2014. As of June 1, 2014, the Cayuga Economic Development Agency provides administrative support through a contract with AIDA. The accounts for this component unit represent activity and balances for the fiscal year ended December 31, 2018. Copies of AIDA's financial statements can be obtained by writing to the City of Auburn Comptroller's Office, Auburn NY 13021.

AIDA, in accordance with its corporate purpose, has issued bonds to promote and develop various businesses within the City. AIDA holds legal title to the properties, under which such bonds were issued in order for businesses to acquire or renovate facilities. These bonds represent non-recourse debt of AIDA. AIDA's primary function is to arrange financing between borrowing companies and bondholders. AIDA receives administration fees from the borrowing companies for this service.

AIDA leases facilities to businesses under capital lease arrangements, as each lessee can purchase the facility at the end of the lease for a nominal amount. Each asset's property lease is offset by a liability bond payable as shown on the Statement of Net Position. AIDA acts as an intermediary between the lessee, making the principal payments, and the bondholder, receiving the principal payments. AIDA does not receive or pay these monies directly.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

- **Auburn Housing Authority**

The Auburn Housing Authority (the “Authority”) was created in 1957, pursuant to §436 of Article XIII of the Public Housing Law of the State of New York. Its general purpose is to provide housing for low income residents of the City, including the development and operation of low rent public housing projects in the City. Members of the Authority are appointed by the City Manager.

The City aids in the development and operation of the Authority’s housing projects by granting subsidies and other aid.

The accounts for this component unit represent activity and balances for the fiscal year ended March 31, 2019. Copies of the Authority’s financial statements can be obtained by writing to the Auburn Housing Authority, Auburn, NY 13021.

Basic Financial Statements

The City's basic financial statements include both government-wide (reporting the City as a whole) and fund financial statements (reporting the City's major funds). Both the government-wide and fund financial statements categorize primary activities as either governmental or business-type. The City's general governmental support, public safety, transportation, culture and recreation, and home and community services are classified as governmental activities, while services relating to the power utility operations and the solid waste facility are classified as business-type activities.

Basis of Presentation - Government-wide Financial Statements

The Government-wide statements include a Statement of Net Position and a Statement of Activities. These statements display information about the City and its component units. These statements include the financial activities of the overall government, except fiduciary activities. Eliminations have been made to minimize the double-counting of internal activities. These statements distinguish between the governmental and business-type activities of the City. Governmental activities generally are financed through taxes, intergovernmental revenues, and other nonexchange transactions. Business-type activities are financed in whole or in part by fees charged to external parties.

In the government-wide Statement of Net Position, both the governmental and business-type activities columns are presented on a consolidated basis by column and are reported on a full accrual, economic resource basis, which recognizes all long-term assets and receivables as well as long-term debt and obligations. The City's net position is reported in three parts - net investment in capital assets, restricted, and unrestricted. The City first utilizes restricted resources to finance qualifying activities.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Basis of Presentation - Government-wide Financial Statements - Continued

The Statement of Activities reports both the gross and net cost for each of the City's functions or programs. Gross expenses are direct expenses, including depreciation, that are specifically associated with a service, program or department and are, therefore, clearly identifiable to a particular function. These expenses are offset by program revenues - charges paid by the recipients of the goods or services offered by the programs, grants, and contributions - that are restricted to meeting the program or capital requirements of a particular program. Indirect expenses, particularly employee benefits, are allocated to functional areas in proportion to the payroll expended for those areas. Revenues which are not classified as program revenues are presented as general revenues of the City, with certain limited exceptions. The net cost represents the extent to which each function or program is self-financing or draws from the general revenues of the City.

The City does not allocate indirect costs. Indirect costs are reported in the function entitled "general government support."

Basis of Presentation - Fund Financial Statements

The financial transactions of the City are reported in individual governmental funds in the fund financial statements. Each fund is accounted for by providing a separate set of self-balancing accounts that comprises its assets, liabilities, reserves, fund equity, revenues and expenditures or expenses. Fund accounting is designed to demonstrate legal compliance and to aid financial management by segregating transactions related to certain government functions or activities. Governmental funds are those through which most governmental functions are financed. The acquisition, use, and balances of expendable financial resources, and the related liabilities are accounted for through governmental funds. The measurement focus of the governmental funds is based upon determination of financial position and changes in financial position under the modified accrual basis of accounting. The following are the City's governmental funds:

Major Governmental Funds

- General Fund - Principal operating fund; includes all operations not required to be recorded in other funds.
- Special Revenue Funds - Used to account for the proceeds of specific revenue sources legally restricted to expenditures for specified purposes. The following two funds are special revenue funds:
 - Sewer Fund - Established by law to account for revenues derived from charges for sewer usage and the application of such revenues toward related operating expenses and debt retirement.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Major Governmental Funds - Continued

- Special Grant Fund - Used to account for Community Development Block Grants and other funding used for community development.
- Capital Projects Funds - Used to account for financial resources to be used for the acquisition, construction, or renovation of major capital facilities related to general government, public safety, culture and recreation, and home and community.

Non-Major Governmental Funds

- Special Revenue Funds - Used to account for the proceeds of specific revenue sources legally restricted to expenditures for specified purposes. The following five funds are special revenue funds:
 - Water Fund - Established by law to account for revenues derived from charges for water consumption and the application of such revenues toward related operating expenses and debt retirement.
 - Refuse Collection Fund - Used to account for curbside trash pickup costs and the fees charged in connection with this service.
 - Casey Park Ice Rink Fund - Used to account for revenue sharing and lease payments from the Auburn Hockey boosters who maintain and run the Ice Rink at Casey Park. The funds are restricted for use by the lease agreement to major equipment or capital repairs which directly benefit the production and maintenance of ice at the Casey Park facility.
 - Permanent Fund - Used to account for assets donated for cemetery maintenance.
 - Police Seizure Fund - Used to account for equitable sharing payments returned to the City from the federal government when the City has joint involvement with the DEA or another federal agency in seizing illegal assets.

Enterprise Funds

Enterprise Funds - Used to account for electric and landfill operations.

- Power Utility Fund - Used to account for the activities of a hydro-electric facility and an electric generation facility powered by methane gas; these generate electricity used within the City and are sold to local utilities.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Enterprise Funds - Continued

- Solid Waste Fund - Used to account for disposal activities at the City's solid waste management facility. This includes administration, recycling, and disposal of waste collected by City crews, private haulers, and the general public.

Fiduciary Fund Types

Fiduciary Fund Types - Used to account for assets held by the City either in a trust or through a custodial capacity. The City reports the following Fiduciary Fund:

- Agency Fund - Used to account for money and/or property received and held in the capacity of trustee, custodian, or agent, such as employee salary wage withholdings for the remittance of employee group insurance premiums.

Measurement Focus and Basis of Accounting

Basis of accounting refers to when revenues and expenditures and the related assets and liabilities are recognized in the accounts and reported in the financial statements. Basis of accounting relates to the timing of the measurements made, regardless of the measurement focus. Measurement focus is the determination of what is measured, i.e. expenditures or expenses.

- Accrual Basis - The Government-wide financial statements, Proprietary Fund financial statements, and Fiduciary Fund financial statements are presented on an "economic resources" measurement focus and the accrual basis of accounting. Accordingly, all of the City's assets, deferred outflows of resources, liabilities and deferred inflows of resources, including capital assets, as well as infrastructure assets and long-term liabilities, are included in the accompanying Statement of Net Position. The Statement of Activities presents changes in net position. Under the accrual basis of accounting, revenues are recognized when earned and expenses are recognized when incurred.
- Modified Accrual Basis - The governmental fund financial statements are prepared using the modified accrual basis of accounting. Under this basis of accounting, revenues are recorded when measurable and available. Available means collectible within the current period or soon enough thereafter to be used to pay liabilities of the current period. Material revenues that are accrued include real property taxes, state and federal aid, sales tax, and certain user charges.

The City considers property tax receivables collected within 60 days after year-end to be available and recognizes them as revenues of the current year. All other revenues that are deemed collectible within one year after year end are recognized as revenues in the current year. If expenditures are the prime factor for determining eligibility, revenues from federal and state grants are accrued when the expenditure is made.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Measurement Focus and Basis of Accounting - Continued

Expenditures are recorded when incurred. The cost of capital assets is recognized as an expenditure when received. Exceptions to this general rule are principal and interest on indebtedness that are not recognized as an expenditure until due, and compensated absences, such as vacation and sick leave, which vests or accumulates and are charged as an expenditure when paid.

Cash and Cash Equivalents

For financial statement purposes, cash on hand, demand deposits, and all highly liquid investments of three months or less are considered as cash equivalents. The Statement of Cash Flows - Proprietary Funds, presented on page 23, uses the direct method of reporting cash flows.

Receivables

Receivables are stated net of the estimated allowance for uncollectible amounts. Amounts due from state and federal governments represent amounts owed to the City to reimburse it for expenditures incurred pursuant to state and federal grant programs. Other receivables represent amounts owed to the City, which include sewer rents, water rents, and assessments. The City also reports rehabilitation, mortgage assistance, and small business loans receivable, net of an allowance for uncollectible amounts of \$707,499.

Investments

Investments are stated at fair value.

Interfund Activity

Interfund activity is reported as loans, services provided, reimbursements, or transfers. Loans are reported as interfund receivables and payables as appropriate and are subject to elimination upon consolidation. Services provided, deemed to be at market or near market rates, are treated as revenues and expenditures/expenses. Reimbursements are when one fund incurs a cost, charges the appropriate benefiting fund and reduces its related cost as a reimbursement. All other interfund transactions are treated as transfers. Transfers between governmental and proprietary funds are netted as part of the reconciliation to the government-wide financial statements.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Capital Assets

All capital assets are valued at historical cost or estimated historical cost. Contributed assets are reported at fair market value as of the date received. Additions, improvements, and other capital outlays that significantly extend the useful life of an asset are capitalized. Other costs incurred for repairs and maintenance are expensed as incurred. Depreciation on all assets is provided on the straight-line basis over the estimated useful lives of the assets. Governmental capital assets purchased or acquired with an original cost of at least \$5,000 and having a useful life of greater than one year are capitalized.

Estimated useful lives for governmental capital assets are as follows:

Buildings	40 Years
Improvements	20-50 Years
Machinery and Equipment	4-13 Years
Infrastructure	12-40 Years

Capital assets of business-type activities are depreciated over the following useful lives:

Buildings	20-50 Years
Improvements	20-50 Years
Machinery	5-20 Years
Infrastructure	12-40 Years

No interest on construction in progress has been capitalized.

Insurance and Risk Management

The City maintains insurance coverage for most risk including, but not limited to, property damage and personal injury liability. Judgments and claims are recorded when it is probable that an asset has been impaired or a liability has been incurred and the amount of loss can be reasonably estimated. No settlements exceeded insurance coverage in any of the past three years.

Compensated Absences

Full-time, permanent employees are granted vacation and sick leave benefits and earn compensated absences in varying amounts to specified maximums, depending on tenure with the City. Except in the event of retirement or termination, an employee is paid for these benefits as used. These benefits are budgeted annually as part of salary or overtime, and are accounted for on a pay-as-you-go basis.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Compensated Absences - Continued

In the event of retirement or termination, an employee is entitled to payment for accumulated vacation and compensatory time not used. Generally, vacations must be taken in the calendar year following the calendar year in which they were earned.

In limited circumstances, vacation may be carried over to the next calendar year. An employee is only entitled to payment of accumulated sick time if the reason for leaving the City's employment is due to a continuing illness or injury. The City accounts for all earned but unused time in the government-wide statements under governmental activities.

Other Postemployment Benefits

In addition to pension benefits, the City provides other postemployment benefits for health insurance, dental insurance, and disability income to eligible retirees, terminated employees, and their dependents. The benefits are provided in accordance with City ordinances, collective bargaining agreements, the Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA) and New York State General Municipal Law (GML § 207(a)). The criterion to determine eligibility includes: years of service, employee age, and disability due to line of duty.

The City follows GASB Statement No. 75, "Accounting and Financial Reporting for Postemployment Benefits Other than Pensions." The City's liability for other postemployment benefits has been recorded in the Statement of Net Position, in accordance with that statement. See Note 13 for additional information.

Deferred Outflows/Inflows of Resources

In addition to assets, the Statements of Net Position will sometimes report a separate section for deferred outflows of resources. This separate financial statement element, deferred outflows of resources, represents a consumption of net position that applies to a future period and so will not be recognized as an outflow of resources (expense/expenditure) until then. The government reports deferred outflows of resources associated with pensions and OPEB plans in the government-wide statements. The types of deferred outflows of resources related to pensions and OPEB plans are described in Notes 9 and 13, respectively.

In addition to liabilities, the Statement of Net Position and the Balance Sheet will sometimes report a separate section for deferred inflows of resources. This separate financial statement element, deferred inflows of resources, represents an acquisition of net position that applies to future period(s) and so will not be recognized as an inflow of resources (revenue) until that time. The City reports unavailable revenues from taxes, community development loans, laterals, and cash with escrow. The City also reports deferred inflows of resources related to pensions and OPEB plans which are further described in Notes 9 and 13, respectively.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Equity Classifications - Government-wide Financial Statements

Equity is classified as net position and displayed in three components:

- Net Investment in Capital Assets - Consists of capital assets including restricted capital assets, net of accumulated depreciation and reduced by the outstanding balances of any bonds, mortgages, notes, or other borrowings that are attributable to the acquisition, construction, or improvement of those assets.
- Restricted Net Position - Consists of net position with constraints placed on the use either by 1) external groups such as creditors, grantors, contributors, or laws or regulations of other governments; or 2) law through constitutional provisions or enabling legislation.
- Unrestricted Net Position - Consists of all other net position that do not meet the definition of "restricted" or "net investment in capital assets."

Equity Classifications - Governmental Fund Financial Statements

In the fund statements there are five classifications of fund balance:

- Nonspendable - Includes amounts that cannot be spent because they are either not in spendable form or legally or contractually required to be maintained intact. Nonexpendable fund balance includes an endowment in the non-major governmental funds of \$9,353.
- Restricted - Includes amounts with constraints placed on the use of resources either externally imposed by creditors, grantors, contributors or laws or regulations of other governments; or imposed by law through constitutional provisions or enabling legislation.
- Committed - Includes amounts that can only be used for the specific purposes pursuant to constraints imposed by formal action of the City's highest level of decision making authority, i.e., the City Council.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 1 **Summary of Significant Accounting Policies - Continued**

Equity Classifications - Governmental Fund Financial Statements - Continued

Amounts committed consist of internally established reserves to mitigate uncertainties in expenditures. Committed funds were as follows at June 30, 2019:

General Fund	
Retirees Health Insurance	\$ 600,000
Workers Compensation Claims	400,000
Falcon Park	12,740
Total General Fund	<u>\$ 1,012,740</u>
 Sewer Fund	
Equipment Reserve	\$ 773
Total Sewer Fund	<u>\$ 773</u>
 Water Fund (Non-Major)	
Reserve for Meter Replacement	\$ 32,357
Equipment Reserve	1,852
Total Water Fund	<u>\$ 34,209</u>

- Assigned - Includes amounts that are constrained by the City's intent to be used for specific purposes, but are neither restricted nor committed. All encumbrances are classified as assigned fund balance. Assigned fund balances were as follows at June 30, 2019:

	<u>Reserve for Encumbrances</u>	<u>Remaining Fund Balance</u>	<u>Total</u>
General Fund	\$ 508,447	\$ 293,638	\$ 802,085
Sewer Fund	27,725	2,571,595	2,599,320
Special Grant Fund	-	797,813	797,813
Other Governmental Funds	-	1,889,296	1,889,296

- Unassigned - Includes all other General Fund net position and deficit positions that do not meet the definition of the above four classifications and are deemed available for general use by the City.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Order of Use of Fund Balance

The City's policy is to apply expenditures against non-spendable fund balance, restricted fund balance, committed fund balance, assigned fund balance, and unassigned fund balance at the end of the fiscal year. For all funds, non-spendable fund balances are determined first, followed by the determination of restricted fund balances for specific purposes. Any remaining fund balance amounts for funds other than the General Fund are classified as restricted fund balance. In the General Fund, committed fund balance is used next and then assigned. Remaining amounts are reported as unassigned. Assignments of fund balance cannot cause a negative unassigned fund balance.

Restricted Resources

When an expense is incurred for purposes for which both restricted and unrestricted net position are available, it is the City's policy to apply restricted funds before unrestricted funds, unless otherwise prohibited by legal requirements. Certain assets are classified on the Balance Sheet as restricted because their use is limited. The proceeds of bond and note sales can only be used for the stated purpose of the borrowing. Property taxes collected for debt service payments are legally restricted for that purpose. Community Development Block Grant Funds must be used only for approved programs. Cemetery perpetual care funds cannot be expended. However, the interest earnings can be spent for cemetery maintenance functions. It is the City's policy to spend interest earnings each fiscal year.

Permanent Fund Endowment

The Permanent Fund consists of a gift from a donor with the stipulation that the principal amount be held in perpetuity and investment earnings used for cemetery maintenance. The principal is invested in a time deposit, and earnings are expended for maintenance. There are no investment gains or losses.

In accordance with the City's policy and relevant laws of New York State, actual investment earnings have been distributed during the year with the money market account operating as the original principal amount.

Revenues

Substantially all governmental fund revenues are accrued.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Property Taxes

The authority for levying taxes for the support of the City government is derived from Article IV of the City Charter and various provisions of the Real Property Tax Law. For tax purposes, each parcel of real property is listed by owner and/or number and value is established by the assessor. Amounts to be raised by tax are balancing factors calculated from the annual budgets. Tax rates are established by the ratio of real property value taxes to be raised, and taxes are levied by the City Council on or before July 1st. Taxes become a lien on the levy date.

Property tax revenues are recognized as revenues in the year they are levied and collected, as long as they are collected within 60 days subsequent to year end. Property taxes not collected within 60 days subsequent to year end are reported as deferred inflows of resources in the fund financial statements. City taxes are payable to the City Treasurer and are payable in two installments due on or before July 31 and January 31. Interest accrues on all overdue taxes but is not recognized until collected.

In December, the School District returns to the City all unpaid school taxes levied in the City in September. The City then assumes responsibility for their collection and enforcement. The City owed the School District \$1,492,079 at June 30, 2019. In May, the County returns to the City all unpaid county taxes levied in the City in February. The City then assumes responsibility for their collection and enforcement. The City owed the county \$850,834 at June 30, 2019. In June of each year, unpaid city, school, county, and library taxes are enforced through a tax sale held pursuant to Article IV of the Charter.

Sales Taxes

The State Department of Taxation and Finance is responsible for the administration and collection of sales tax proceeds. The State Comptroller's Office is responsible for processing payments of sales tax proceeds to the City. The state makes estimated monthly payments to the City based on prior year sales tax return information. Each quarter, the state will adjust its payment to reflect actual sales taxes collected for the quarter.

State Sources

In New York State, counties and cities are authorized to levy a local sales tax, which is imposed in addition to the state sales tax of 4%. The City's sales tax levy became effective in March 1996. The City has opted to pre-empt the county in its collection of sales tax. The county's tax rate is 4%, while the City pre-empts the county at a 2% sales tax rate. As such, the City does not share with the county any of the 2% of sales taxes collected within the City, and the county does not share sales tax collected outside the City.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Aid and Incentives for Municipalities (AIM) Program

The AIM program provides direct, unrestricted aid to cities, towns, and villages throughout the state. The state will pay the City throughout the year, normally in June and December. For the period April 1, 2018 through March 31, 2019 (the state's fiscal year), the City received funding of \$4,982,093.

Because the City is a distressed municipality and received over \$100,000 in additional aid, the City is required to use the AIM funding to: (i) minimize or reduce the real property tax burden; (ii) invest in economic development or infrastructure to achieve economic revitalization and generate real property tax base growth; or (iii) support investments in technology or other reengineering initiatives that permanently minimize or reduce operating expenses.

State Grants

The City receives grants from the state and recognizes receivables and revenue when the applicable eligibility requirements including time requirements are met. State grants are normally paid on a reimbursement basis for which the City has to first incur allowable costs under the applicable program to be reimbursed by the state. Grant monies received in advance of meeting eligibility requirements are recorded as unearned revenue by the City until such eligibility requirements are met. State grants (NYSDOT grants) are subject to the state single audit act requirements and to audit by the state for compliance with grant requirements.

Federal Sources

The City receives grants from the federal government, either through direct reimbursement or as a pass-through entity (such as the state) and recognizes receivables and revenue when the applicable eligibility requirements including time requirements are met. Federal grants are normally paid on a reimbursement basis for which the City has to first incur allowable costs under the applicable program to be reimbursed through the grant. Grant monies received in advance of meeting the eligibility requirements are recorded as unearned revenue by the City until such eligibility requirements are met. Federal grants are subject to single audit act requirements and to audit by the appropriate federal agency for compliance with grant requirements.

Departmental Income

The City's Sewer and Water Funds recognize revenues when earned. The City charges residents and other users of the sewer and water systems a rate per cubic foot of consumption.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Proprietary Funds Operating and Nonoperating Revenues and Expenses

Proprietary funds distinguish operating revenues and expenses from nonoperating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with the Proprietary Fund's principal ongoing operations. The principal operating revenues of the Proprietary Funds are charged to customers for sales and services. Operating expenses for Proprietary Funds include the cost of sales and services, administrative expenses, and depreciation on capital assets. All revenues and expenses not meeting this definition are reported as nonoperating revenues and expenses.

The City's two business-type activities, the Power Utility Fund and Solid Waste Fund recognize revenues when earned. The City operates a hydro-electric and electric generation facility powered by methane gas to produce electricity which is used within the City and sold to users based on a rate per kWh. In addition, the City owns a landfill for which it charges residents and commercial users fees for disposal of solid waste.

New Accounting Standards

The City has adopted and implemented the following current Statements of the Governmental Accounting Standards Board (GASB) that are effective for the year ended June 30, 2019:

- GASB has issued Statement No. 83, "Certain Asset Retirement Obligations," effective for the year ended June 30, 2019.
- GASB has issued Statement No. 88, "Certain Disclosures Related to Debt, Including Direct Borrowings and Direct Placements," effective for the year ending June 30, 2019. This statement improves the information disclosed in the notes to the government financial statements related to debt, including direct borrowings and direct placements.

Future Changes in Accounting Standards

- GASB has issued Statement No. 84, "Fiduciary Activities," effective for the year ending June 30, 2020. This statement improves guidance regarding identification of fiduciary activities for accounting and reporting purposes.
- GASB has issued Statement No. 87, "Leases," effective for the year ended June 30, 2021.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 1* Summary of Significant Accounting Policies - Continued**

Future Changes in Accounting Standards - Continued

- GASB has issued Statement No. 89, “Accounting for Interest Cost Incurred Before the End of a Construction Period,” effective for the year ending June 30, 2021.
- GASB has issued Statement No. 90, “Majority Equity Interests - An Amendment of GASB Statements No. 14 and No. 61,” effective for the year ending June 30, 2020.
- GASB has issued Statement No. 91, “Conduit Debt Obligations” effective for the year ending June 30, 2022.

The City will evaluate the impact each of these pronouncements may have on its financial statements and will implement them as applicable and when material.

***Note 2* Cash and Investments**

The City’s investment policies are governed by state statutes. In addition, the City has its own written investment policy. The state statutes and the City’s investment policies as described below are promulgated to control the credit risk of cash deposits and investments.

City monies must be deposited in FDIC (Federal Deposit Insurance Corporation) insured commercial banks or trust companies located within the state. The Comptroller is authorized to use demand accounts and certificates of deposit. Permissible investments include obligations of the U.S. Treasury and U.S. Agencies and obligations of New York State or its localities.

Collateral (security) is required for demand and time deposits and certificates of deposit at 100% of all deposits not covered by FDIC Insurance. Obligations that may be pledged as collateral are obligations of the United States and its agencies and obligations of the state and its municipalities and school districts.

The written investment policy requires repurchase agreements be purchased from banks located within the state and underlying securities must be obligations of the federal government. Underlying securities must have a market value of at least 100% of the cost of the repurchase agreement.

Interest rate risk is the risk that in accordance with its investment policy, the City manages its exposures to declines in fair values by limiting the weighted average maturity of its investment portfolio to less than six months.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 2* Cash and Investments - Continued**

Custodial credit risk is the risk that in the event of a bank failure, the City's deposits may not be returned to it. GASB Statement No. 40 directs that deposits be disclosed as exposed to custodial credit risk if they are not covered by depository insurance, and the deposits are either uncollateralized or collateralized with securities held by the pledging financial institution's trust department or agent.

The City's aggregate deposits of \$23,662,676, consisting of \$14,940,723 in cash and \$8,721,953 in investments, are either insured through the FDIC or are collateralized with securities held by the pledging financial institution. The FDIC insurance covers all deposit accounts, including checking and savings accounts up to \$250,000 per official custodian. The City's deposits subject to FDIC insurance totals \$500,000 while the remaining is uninsured but is collateralized with securities held by the pledging financial institution's trust department or agent in the City's name. The aggregate deposits for the discretely presented component unit, Auburn Industrial Development Authority at December 31, 2018, of \$714,764 and for the discretely presented component unit, Auburn Housing Authority at March 31, 2019 of \$3,274,306 are either insured or collateralized with securities held by the pledging financial institution.

***Note 3* Restricted Cash**

Restricted cash and cash equivalents, reported in the government-wide Statement of Net Position, consists of \$2,542,830 of unspent debt proceeds to be used for the acquisition, construction, or renovation of capital assets, \$932,680 of cash with fiscal agent, and \$9,353 restricted for cemetery maintenance.

As of June 30, 2019, restricted cash and cash equivalents consisted of:

Restricted Cash	
Capital Fund	\$ 3,475,510
Non-Major Governmental Funds	<u>9,353</u>
Total	<u>\$ 3,484,863</u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 3 Restricted Cash - Continued

Auburn Housing Authority's restricted cash and investments are comprised of savings accounts and U.S. Treasury Bills as follows:

	Federal Low Rent	DHCR	Section 8 Housing
Hap Reserve	\$ -	\$ -	\$ 2,649
State Reserves - Investments	-	30,201	-
State Reserves - Cash	-	1,201,792	-
Security Deposits	20,529	15,904	-
Total	\$ 20,529	\$ 1,247,897	\$ 2,649

The Authority has not experienced any losses in such accounts and believes it is not exposed to any significant credit risk. These amounts are reported as restricted cash and cash equivalents and restricted investments on the Statement of Net Position.

Note 4 Investments

Investments are recorded at fair value. The City's credit policy on investments is to generally invest in insured or registered securities held by the City or its agent in the City's name, therefore having minimal custodial credit risk.

A summary of investments as of June 30, 2019 follows:

	Cost	Unrealized (Loss)	Market Value
Unrestricted			
Certificates of Deposit	\$ 8,823,486	\$ (110,023)	\$ 8,713,463
CLASS Investments	8,490	-	8,490
Total	\$ 8,831,976	\$ (110,023)	\$ 8,721,953

Investments of the discretely presented component unit, Auburn Housing Authority, include investments in United States Treasury Bills, certificates of deposit with an original maturity of over three months, and its holding with Housing Authority Risk Retention Group. Debt securities consist primarily of obligations of the U.S. Government. The investments are categorized as uninsured and unregistered with securities held by the counterparty in the entity's name or held by the counterparty's trust department (if a bank) or agent, but not in the entity's name. These short-term investments are recorded as unrestricted investments on the Statement of Net Position.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 4 Investments - Continued

A summary of investments for the Auburn Housing Authority as of March 31, 2019 follows:

	<u>Cost</u>	<u>Unrealized Gain (Loss)</u>	<u>Market Value</u>
Unrestricted			
Certificates of Deposit	\$ 231,375	\$ -	\$ 231,375
Investment - Housing Authority Risk Retention Group	22,201	-	22,201
Subtotal	<u>253,576</u>	<u>-</u>	<u>253,576</u>
Restricted			
Certificates of Deposit	<u>30,201</u>	<u>-</u>	<u>30,201</u>
Total	<u><u>\$ 283,777</u></u>	<u><u>\$ -</u></u>	<u><u>\$ 283,777</u></u>

Note 5 Other Receivables

Other receivables consist of the following as of June 30, 2019:

General Fund	
Cayuga Community College	\$ 55,834
Other Receivables	225,029
Special Revenue Fund - Sewer Fund	
Sewer Rents Receivable	1,693,098
Septage Treatment Receivable	7,094
Capital Projects Fund	
Sidewalk Revolving Loan Fund	194,450
Water Lateral Revolving Loan Fund	92,511
Sewer Lateral Revolving Loan Fund	150,093
Other Governmental Funds	
Water Rents Receivable	1,282,228
Other Receivables	<u>1,517</u>
Total Governmental Funds	<u><u>\$ 3,701,854</u></u>
Solid Waste Fund	
Landfill Charges	<u>180,034</u>
Total Enterprise Funds	<u><u>\$ 180,034</u></u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 6 Interfund Transactions

During the course of normal operations, the City has numerous transactions between funds including expenditures and transfers of resources primarily to provide services. The governmental funds financial statements generally reflect such transactions as transfers whereas the proprietary funds record such transactions as non-operating revenues or expenses. The City generally maintains its cash in few accounts, whereby the City pools its cash to provide both cash flow and interest income maximization across the City as a whole.

The City also loans resources between funds for the purpose of mitigating the effects of transient cash flow issues. All interfund payables are expected to be repaid within one year.

	<u>Interfund Receivables</u>	<u>Interfund Payables</u>	<u>Interfund Transfers In</u>	<u>Interfund Transfers Out</u>
Governmental Funds				
General Fund	\$ 241,959	\$ 10,390	\$ 76,971	\$ 515,300
Sewer Fund	601,460	117,180	-	28,536
Special Grant Fund	-	37,581	-	-
Capital Projects Fund	22,536	41,494	241,536	36,011
Non-Major Funds	11,785	702,361	2,350	41,010
Total Governmental Funds	<u>877,740</u>	<u>909,006</u>	<u>320,857</u>	<u>620,857</u>
Enterprise Funds				
Power Utility Fund	23,657	-	300,000	-
Solid Waste Fund	43,109	35,500	-	-
Total Enterprise Funds	<u>66,766</u>	<u>35,500</u>	<u>300,000</u>	<u>-</u>
Total	<u><u>\$ 944,506</u></u>	<u><u>\$ 944,506</u></u>	<u><u>\$ 620,857</u></u>	<u><u>\$ 620,857</u></u>

Note 7 Property Taxes

At June 30, 2019, the total real property tax receivable of \$4,346,806 is offset by an allowance for uncollectible taxes of \$1,246,144. The remaining portion of taxes receivable is offset by unearned revenue of \$3,945,706 in the fund financial statements and represents an estimate of the tax liens which will not be collected within the first 60 days of the subsequent year.

The 2019 real property tax levy for City purposes totaled \$12,406,858. The City is permitted by the constitution of New York State to levy taxes up to 2% of the five year average for assessed valuation for general governmental services other than the payment of debt service and capital expenditures. The constitutional tax limit of the City of Auburn, New York for the fiscal year ended June 30, 2019 was \$23,985,712, leaving a margin of \$11,578,854 after \$4,432,259 of exclusions.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 8 Capital Assets

A summary of changes in capital assets at June 30, 2019 follows:

Governmental Activities	6/30/2018	Additions	Disposals	Reclassifi- cations	6/30/2019
Non-Depreciable Capital Assets					
Land	\$ 4,252,631	\$ -	\$ -	\$ -	\$ 4,252,631
Construction in Progress	21,198,819	24,403,122	-	(3,009,920)	42,592,021
Total Non-Depreciable Capital Assets	25,451,450	24,403,122	-	(3,009,920)	46,844,652
Depreciable Capital Assets					
Buildings and Improvements	48,547,387	119,718	-	470,917	49,138,022
Machinery and Equipment	41,647,796	1,476,373	(484,922)	7,200	42,646,447
Infrastructure	123,688,672	318,269	-	2,531,803	126,538,744
Total Depreciable Capital Assets	213,883,855	1,914,360	(484,922)	3,009,920	218,323,213
Total Historical Cost	239,335,305	26,317,482	(484,922)	-	265,167,865
Less Accumulated Depreciation					
Buildings and Improvements	(18,487,817)	(730,624)	-	-	(19,218,441)
Machinery and Equipment	(29,091,557)	(1,843,203)	461,060	-	(30,473,700)
Infrastructure	(46,412,563)	(2,522,202)	-	-	(48,934,765)
Total Accumulated Depreciation	(93,991,937)	(5,096,029)	461,060	-	(98,626,906)
Governmental Activities Capital Assets, Net	\$ 145,343,368	\$ 21,221,453	\$ (23,862)	\$ -	\$ 166,540,959
Business-Type Activities					
Non-Depreciable Capital Assets					
Land	\$ 420,187	\$ -	\$ -	\$ -	\$ 420,187
Construction in Progress	7,131,390	116,769	-	(621,923)	6,626,236
Total Non-Depreciable Capital Assets	7,551,577	116,769	-	(621,923)	7,046,423
Depreciable Capital Assets					
Buildings and Improvements	28,008,120	-	-	-	28,008,120
Machinery and Equipment	4,822,212	123,673	(31,922)	-	4,913,963
Infrastructure	4,624,667	-	-	621,923	5,246,590
Total Depreciable Capital Assets	37,454,999	123,673	(31,922)	621,923	38,168,673
Total Historical Cost	45,006,576	240,442	(31,922)	-	45,215,096
Less Accumulated Depreciation					
Buildings and Improvements	(22,048,564)	(187,301)	-	-	(22,235,865)
Machinery and Equipment	(2,863,362)	(232,062)	31,588	-	(3,063,836)
Infrastructure	(363,534)	(115,605)	-	-	(479,139)
Total Accumulated Depreciation	(25,275,460)	(534,968)	31,588	-	(25,778,840)
Business-Type Activities Capital Assets, Net	\$ 19,731,116	\$ (294,526)	\$ (334)	\$ -	\$ 19,436,256

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 8 Capital Assets - Continued

Depreciation expense was charged to the functions as follows:

Governmental Activities	
General Governmental Support	\$ 108,753
Public Safety	460,099
Transportation	1,571,423
Culture and Recreation	139,527
Home and Community Services	<u>2,816,227</u>
Total	<u>\$ 5,096,029</u>
Business-type Activities	
Power Utility	\$ 285,073
Solid Waste	<u>249,895</u>
Total	<u>\$ 534,968</u>

A summary of changes in the Auburn Housing Authority's capital assets is as follows:

Type	Balance at 03/31/2018	Additions	Deletions	Balance at 03/31/2019
Non-Depreciable Capital Assets				
Land	\$ 276,622	\$ -	\$ -	\$ 276,622
Total Non-Depreciable Capital Assets	<u>276,622</u>	<u>-</u>	<u>-</u>	<u>276,622</u>
Depreciable Capital Assets				
Buildings and Improvements	10,872,327	-	-	10,872,327
Equipment and Furniture	840,379	57,096	-	897,475
Total Depreciable Capital Assets	<u>11,712,706</u>	<u>57,096</u>	<u>-</u>	<u>11,769,802</u>
Total Capital Assets	<u>11,989,328</u>	<u>57,096</u>	<u>-</u>	<u>12,046,424</u>
Less Accumulated Depreciation	<u>(6,345,658)</u>	<u>(342,909)</u>	<u>-</u>	<u>(6,688,567)</u>
Auburn Housing Authority Capital Assets, Net	<u>\$ 5,643,670</u>	<u>\$ (285,813)</u>	<u>\$ -</u>	<u>\$ 5,357,857</u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 8 Capital Assets - Continued

A summary of changes in the Auburn Industrial Development Authority's capital assets is as follows:

Type	Balance at 12/31/2017	Additions	Deletions	Balance at 12/31/2018
Non-Depreciable Capital Assets				
Land	\$ 309,712	\$ -	\$ -	\$ 309,712
Total Non-Depreciable Capital Assets	309,712	-	-	309,712
Depreciable Capital Assets				
Equipment	20,032	-	-	20,032
Total Depreciable Capital Assets	20,032	-	-	20,032
Less Accumulated Depreciation	(20,032)	-	-	(20,032)
Auburn Industrial Development Authority Capital Assets, Net	\$ 309,712	\$ -	\$ -	\$ 309,712

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 9* Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems)**

Plan Descriptions and Benefits Provided - Employees' Retirement System (ERS) and Police and Fire Retirement System (PFRS)(Systems)

The City participates in the New York State and Local Employees' Retirement Systems which include the New York State and Local Employees' Retirement System plan (ERS) and the New York State Local Police and Fire Retirement System plan (PFRS). The Systems are cost-sharing multiple-employer defined benefit pension plans. The Systems provide retirement benefits as well as death and disability benefits. Net position of the Systems is held in the New York State Common Retirement Fund (the Fund), which was established to hold all net assets and record changes in plan net position allocated to the Systems. The Comptroller of the State of New York serves as the trustee of the Fund and is the administrative head of a System. System benefits are established under the provisions of the New York State Retirement and Social Security Law (RSSL). Once a public employer elects to participate in a System, the election is irrevocable. The New York State Constitution provides that pension membership is a contractual relationship and plan benefits cannot be diminished or impaired. Benefits can be changed for future members only by enactment of a state statute. The City also participates in the Public Employees' Group Life Insurance Plan (GLIP), which provides death benefits in the form of life insurance. The System is included in the state's financial report as a pension trust fund. That report, including information with regard to benefits provided, may be found at www.osc.state.ny.us/retire/publications/index.php or obtained by writing to the New York State and Local Retirement Systems, 110 State Street, Albany, NY 12244.

Generally, Tier 3, 4, and 5 members must contribute 3% of their salary to the System. As a result of Article 19 of the RSSL, eligible Tier 3 and 4 employees, with a membership date on or after July 27, 1973, who have ten or more years of membership or credited service with the System, are not required to contribute. Members cannot be required to begin making contributions or to make increased contributions beyond what was required when membership began. For Tier 6 members, the contribution rate varies from 3% to 6% depending on salary. Generally, Tier 5 and 6 members are required to contribute for all years of service.

Summary of Significant Accounting Policies

The Systems' financial statements from which the Systems' fiduciary respective net position is determined are prepared using the accrual basis of accounting. Plan member contributions are recognized when due and the employer has a legal requirement to provide the contributions. Benefits and refunds are recognized when due and payable in accordance with the terms of the plan. Plan investments are reported at fair value. For detailed information on how investments are valued, please refer to the Systems' annual reports.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 9 Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued

Contributions

The City participated in New York State's Employer's Contribution Stabilization Program (Program), which allows it to amortize a portion of the actuarially required contribution. Contributions for the current year and two preceding Plan years were equal to 100% of the contributions required under the program, and were as follows:

	<u>City - ERS</u>	<u>City - PFRS</u>	<u>AHA - ERS</u>
2019	\$ 1,123,578	\$ 2,340,134	\$ 76,963
2018	1,247,188	2,522,569	90,617
2017	1,216,200	2,384,745	89,170

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2019, the City reported the following liability for its proportionate share of the net pension liability for each of the System's plans. The net pension liability was measured as of March 31, 2019. The total pension liability used to calculate the net pension liability was determined by an actuarial valuation. The City's proportionate share of the net pension liability was based on a projection of the City's long-term share of contributions to the System relative to the projected contributions of all participating members, actuarially determined. This information was derived from reports provided to the City by the Systems.

	<u>ERS</u>	<u>PFRS</u>
Actuarial Valuation Date	04/01/2018	04/01/2018
Net Pension Liability	\$ 7,085,304,242	\$ 1,677,063,145
City's Proportionate Share of the Plan's		
Total Net Pension Liability	2,118,293	5,112,486
City's Share of the Plan's		
Total Net Pension Liability	0.0298970%	0.3048476%
Actuarial Valuation Date	04/01/2017	
Auburn Housing Authority's Portion of the		
Plan's Total Net Pension Liability	60,058	-
Auburn Housing Authority's Share of the		
Plan's Total Net Pension Liability	0.0026550%	-

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 9 Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions - Continued

For the year ended June 30, 2019, the City recognized pension expense of \$1,340,987 for ERS and \$3,108,086 for PFRS in the Government-wide financial statements. At June 30, 2019 the City's reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources			Deferred Inflows of Resources		
	City-ERS	AHA-ERS	PFRS	City-ERS	AHA-ERS	PFRS
Differences Between Expected and Actual Experience	\$ 417,136	\$ 30,562	\$ 1,241,964	\$ 142,197	\$ 25,255	\$ 545,842
Changes of Assumptions	532,452	56,818	1,857,503	-	-	-
Net Differences Between Projected and Actual Earnings on Pension Plan Investments	-	124,454	-	543,671	245,660	1,023,906
Changes in Proportion and Differences Between the City's Contributions and Proportionate Share of Contributions	35,607	2,131	8,098	124,397	33,722	787,448
City's Contributions Subsequent to the Measurement Date	<u>302,737</u>	<u>76,963</u>	<u>602,477</u>	<u>-</u>	<u>-</u>	<u>-</u>
Less Brogan Manor Portion	<u>-</u>	<u>(87,016)</u>	<u>-</u>	<u>-</u>	<u>(91,117)</u>	<u>-</u>
Total	<u>\$ 1,287,932</u>	<u>\$ 203,912</u>	<u>\$ 3,710,042</u>	<u>\$ 810,265</u>	<u>\$ 213,520</u>	<u>\$ 2,357,196</u>

City contributions subsequent to the measurement date, reported as deferred outflows of resources, will be recognized as a reduction of the net pension liability in the year ended June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

<u>Year Ended</u>	<u>City-ERS</u>	<u>AHA-ERS</u>	<u>PFRS</u>
2020	\$ 410,550	\$ 5,500	\$ 781,234
2021	(444,319)	4,796	(443,349)
2022	(59,150)	(68,713)	(142,014)
2023	267,849	(32,255)	491,375
2024	-	-	63,123
Thereafter	-	-	-

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 9* Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued**

Actuarial Assumptions

The total pension liability as of the measurement date was determined by using an actuarial valuation as noted in the table below, with update procedures used to roll forward the total pension liability to the measurement date.

Significant actuarial assumptions used in the valuations were as follows:

	ERS	PFRS
Measurement Date	March 31, 2019	March 31, 2019
Actuarial Valuation Date	April 1, 2018	April 1, 2018
Investment Rate of Return	7.0%	7.0%
Salary Increases	4.2%	5.0%
Cost of Living Adjustments	1.3%	1.3%
Inflation Rate	2.5%	2.5%

Annuitant mortality rates are based on April 1, 2010 - March 31, 2015 System's experience with adjustments for mortality improvements based on Society of Actuaries' Scale MP-2014.

The actuarial assumptions used in the April 1, 2018 valuation are based on the results of an actuarial experience study for the period April 1, 2010 - March 31, 2015.

The long-term rate of return on pension plan investments was determined using a building block method in which best estimate ranges of expected future real rates of return (expected returns net of investment expense and inflation) are developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by each target asset allocation percentage and by adding expected inflation.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 9* Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued**

Best estimates of the arithmetic real rates of return for each major asset class included in the target asset allocation are summarized below:

	<u>ERS and PFRS</u>
Measurement Date	March 31, 2019
Asset Type:	
Domestic Equities	4.6%
International Equities	6.4%
Real Estate	5.6%
Private Equities	7.5%
Absolute Return Strategies	3.8%
Opportunistic Portfolio	5.7%
Real Assets	5.3%
Cash	(0.3)%
Inflation-indexed Bonds	1.3%
Mortgages and Bonds	1.3%

Discount Rate

The discount rate used to calculate the total pension liability was 7.0%. The projection of cash flows used to determine the discount rate assumes that contributions from plan members will be made at the current contribution rates and contributions from employers will be made at statutorily required rates, actuarially. Based on the assumptions, the System's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 9 Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued

Sensitivity of the Proportionate Share of the Net Pension Liability to the Discount Rate Assumption

The following presents the City's proportionate share of the net pension liability calculated using the discount rate of 7.0%, as well as what the City's proportionate share of the net pension liability would be if it were calculated using a discount rate that is 1-percentage point lower (6.0%) or 1-percentage point higher (8.0%) than the current rate:

	1% Decrease (6.0)%	Current Assumption (7.0)%	1% Increase (8.0)%
ERS			
City's Proportionate Share of the Net Pension Liability	\$ 9,261,517	\$ 2,118,293	\$ (3,882,521)
Auburn Housing Authority's Proportionate Share of the Net Pension Liability	648,333	60,058	(390,289)
PFRS			
City's Proportionate Share of the Net Pension Liability	\$ 18,475,762	\$ 5,112,486	\$ (6,047,400)

Pension Plan Fiduciary Net Position

The components of the current-year net pension liability of the employers as of the respective measurement dates were as follows:

	Dollars in Thousands	
	ERS	PFRS
Measurement Date	March 31, 2019	March 31, 2019
Employers' Total Pension Liability	\$ 189,803,429	\$ 34,128,100
Plan Net Position	(182,718,124)	(32,451,037)
Employers' Net Pension Liability	\$ 7,085,305	\$ 1,677,063
Ratio of Plan Net Position to the Employers' Total Pension Liability	96.3%	95.1%

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 9 Pension Obligations - New York State and Local Employees' Retirement System (ERS and PFRS) (the Systems) - Continued

Payables to the Pension Plans

Employer contributions are paid annually based on the System's fiscal year which ends on March 31st. Employee contributions are remitted monthly. Accrued retirement contributions as of June 30, 2019 represent the projected employer contribution for the period of April 1, 2019 through June 30, 2019 based on paid ERS and PFRS wages multiplied by the employer's contribution rate, by tier. Accrued retirement contributions as of June 30, 2019 amounted to \$904,075.

Current Year Activity

The following is a summary of current year activity:

Governmental Activities	Beginning Balance	Change	Ending Balance
ERS			
Net Pension Liability	\$ 943,393	\$ 1,071,811	\$ 2,015,204
Deferred Outflows of Resources	(2,670,275)	1,443,962	(1,226,313)
Deferred Inflows of Resources	3,081,436	(2,310,603)	770,833
Subtotal	<u>1,354,554</u>	<u>205,170</u>	<u>1,559,724</u>
PFRS			
Net Pension Liability	3,128,514	1,983,972	5,112,486
Deferred Outflows of Resources	(6,787,426)	3,077,384	(3,710,042)
Deferred Inflows of Resources	6,668,046	(4,310,850)	2,357,196
Subtotal	<u>3,009,134</u>	<u>750,506</u>	<u>3,759,640</u>
Total	<u>\$ 4,363,688</u>	<u>\$ 955,676</u>	<u>\$ 5,319,364</u>
Business-type Activities	Beginning Balance	Change	Ending Balance
ERS			
Net Pension Liability	\$ 45,615	\$ 57,474	\$ 103,089
Deferred Outflows of Resources	(128,297)	66,678	(61,619)
Deferred Inflows of Resources	148,992	(109,560)	39,432
Total	<u>\$ 66,310</u>	<u>\$ 14,592</u>	<u>\$ 80,902</u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 10 Short-term Debt

Bond anticipation notes payable - Bond anticipation notes (BANs) issued in anticipation of proceeds from the subsequent sale of bonds are recorded as current liabilities of the funds that will actually receive the proceeds from the issuance of the bonds. Such notes may be classified as long-term debt when (1) the intention is to refinance the debt on a long-term basis and (2) the intention can be substantiated through a post balance sheet issuance of long-term debt or by an acceptable financing agreement. State law requires that bond anticipation notes issued for capital purposes be converted to long-term financing within five years after the original issue date. The City issues bond anticipation notes to finance capital improvements.

The following is a summary of the City's BANs for the year ended June 30, 2019:

	Issue Date	Maturity Date	Interest Rate	Amount
General Obligation	08/20/2018	08/20/2019	3.125%	\$ 24,181,341
Total				\$ 24,181,341
	07/01/2018	New Issues/ Additions	Maturities/ Payments	06/30/2019
Governmental Activities:				
Capital Project Funds	\$ 18,514,265	\$ 21,017,865	\$ (18,514,265)	\$ 21,017,865
Business-type Activities:				
Power Utility Fund	1,543,276	3,163,476	(1,543,276)	3,163,476
Total	\$ 20,057,541	\$ 24,181,341	\$ (20,057,541)	\$ 24,181,341

Interest on BANs, net of premium received, in the governmental activities and business-type activities approximated \$238,351 and \$66,447, respectively, for the year ended June 30, 2019.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 11* Lease Commitments**

Capital Leases

A summary of changes in capital lease obligations of governmental activities follows:

	<u>06/30/2018</u>	<u>Additions</u>	<u>Payments</u>	<u>06/30/2019</u>
Fire Truck	\$ 245,308	\$ -	\$ (57,636)	\$ 187,672
Total	<u>\$ 245,308</u>	<u>\$ -</u>	<u>\$ (57,636)</u>	<u>\$ 187,672</u>

The present value of capital leases is:

<u>Year Ending June 30,</u>	
2020	\$ 67,946
2021	67,946
2022	<u>67,775</u>
	203,667
Less Amount Representing Interest	<u>(15,995)</u>
Present Value of Future Minimum Lease Payments	<u>\$ 187,672</u>
 Cost of Equipment	 <u>\$ 745,000</u>

The lease is payable from the General Fund. Items under capital leases are recorded as equipment. The capital lease was entered into on July 31, 2006 in the amount of \$745,000, with an interest rate of 4.2% and a maturity date of July 31, 2021. Net book value of assets associated with the leases was \$-0- at June 30, 2019.

Operating Leases

The City leases various vehicles under non-cancelable operating leases which are not material to the financial statements of the City.

***Note 12* Long-term Debt**

At June 30, 2019, the total outstanding indebtedness (bonds, BANs, notes, and leases payable and other long-term personnel and landfill liabilities) of the City's primary government aggregated \$86,528,649. Of this amount approximately \$48,249,513 is subject to the constitutional debt limit and represented 68.0% of the City's debt limit.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 12* Long-term Debt - Continued**

Serial Bonds

The City borrows money in order to acquire land or equipment, or construct buildings and make improvements. This enables the cost of these capital assets to be borne by the present and future taxpayers receiving the benefit of the capital assets. These long-term liabilities, which are given on the full faith and credit of the local government, are recorded in the government-wide financial statements and the enterprise funds. The provision to be made in future budgets for capital indebtedness represents the amount, exclusive of interest, authorized to be collected in future years from taxpayers and others, for liquidation of the long-term liabilities. Serial bond liability is liquidated through the City's General, Power Utility, Solid Waste, Water, and Sewer Funds.

Compensated Absences

Represents the value of the earned and unused portion of the liability for employee compensated absences. The City's General, Water, Sewer, and Solid Waste Funds liquidate this liability.

Claims and Judgments

Represents the estimated liability for claims for workers' compensation that have been incurred but not reported. The City's General Fund liquidates this liability. See Note 14 for more information concerning this liability.

Self-Insurance Liability

Represents the City's estimated liability for claims for property, casualty and professional liability. The City's General Fund liquidates this liability. See Note 14 for more information concerning this liability.

HUD Section 108 Note

The City has taken advantage of an advance under a Variable Fixed Rate Note guaranteed pursuant to Section 108 of the Housing and Community Development Act of 1974. The Special Grant Fund liquidates this liability.

Due to Employees' Retirement System

Represents the portion of the liability to the various state retirement systems. The City's General, Solid Waste, Water, and Sewer Funds liquidate this liability.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 12 Long-term Debt - Continued

Changes in Indebtedness

A summary of changes in the City's indebtedness is as follows:

		New Issues/ Additions	Maturities/ Payments		Amount Due Within One Year
Governmental Activities	06/30/2018			06/30/2019	
General Obligation Bonds	\$ 30,973,141	\$ 9,742,300	\$ (4,458,378)	\$ 36,257,063	\$ 4,814,702
Other Long-Term Liabilities					
Energy Performance Contract	4,278,766	-	(486,741)	3,792,025	503,139
Employees' Retirement System Note Payable	503,422	-	(75,902)	427,520	75,034
Lease Obligations Payable	245,308	-	(57,636)	187,672	60,057
Judgments and Claims Payable	1,367,605	285,858	(269,586)	1,383,877	1,383,877
Compensated Absences	1,301,222	286,664	-	1,587,886	79,394
Self-insurance Liability	1,328,443	631,642	(155,605)	1,804,480	105,580
Total Other Long-Term Liabilities	9,024,766	1,204,164	(1,045,470)	9,183,460	2,207,081
Total	\$ 39,997,907	\$ 10,946,464	\$ (5,503,848)	\$ 45,440,523	\$ 7,021,783
Business-Type Activities					
General Obligation Bonds	\$ 14,853,926	\$ -	\$ (1,301,600)	\$ 13,552,326	\$ 1,365,358
Other Long-Term Liabilities					
Employee Retirement Systems Note Payable	34,794	-	(2,120)	32,674	5,735
Landfill Post Closure Liability	4,219,105	-	(977,414)	3,241,691	254,250
Energy Performance Contract	12,485	-	(1,420)	11,065	1,468
Compensated Absences	63,798	5,231	-	69,029	3,451
Total	\$ 19,184,108	\$ 5,231	\$ (2,282,554)	\$ 16,906,785	\$ 1,630,262

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 12 Long-term Debt - Continued

Debt Maturity Schedules

The following is a summary of bonds outstanding at June 30, 2019 with corresponding maturity schedules:

Bonds Payable	Issue Date	Maturity	Interest	Balance
Public Improvement	04/12/01	03/01/21	0.0%	\$ 53,525
Sewer Refunding	06/20/02	11/15/24	1.326%-1.632%	330,000
Sewer Refunding	06/20/02	05/05/24	1.414%-1.941%	9,640,000
NYS EFC	07/24/03	01/15/24	.79%-4.5%	705,000
Public Improvement	05/15/15	06/15/30	2.5-3.25%	1,620,000
Public Improvement	10/05/12	06/01/23	1.25%-2.375%	585,000
NYPA Energy Conservation	03/01/09	03/01/29	1.92%	2,130,564
Public Improvement	05/24/14	05/15/24	1.5%-2.5%	510,000
Public Improvement	06/23/15	06/01/26	2.0%-5.0%	355,000
NYS EFC	09/01/15	05/26/45	0.0%	477,000
CREB Issuance	08/27/15	03/01/38	1.0%-4.75%	7,540,000
Public Improvement	05/27/16	05/15/31	2.0%-2.5%	2,720,000
Public Improvement	06/29/16	06/01/23	2.0%-4.0%	2,930,000
NYS EFC	07/06/16	08/28/44	0.0%	2,011,000
Public Improvement	05/26/17	05/15/27	2.0%-2.5%	2,165,000
Public Improvement	08/21/17	08/21/27	2.0%-3.0%	6,295,000
Public Improvement	08/20/18	08/15/38	2.50%-3.375%	9,742,300
Total General Obligation Bonds				<u>\$ 49,809,389</u>

The following table summarizes the City's future debt service requirements for bonds for June 30:

Year Ending	Governmental Activities			Business-type Activities		
	Principal	Interest	Subsidy	Principal	Interest	Subsidy
2020	\$ 4,814,702	\$ 707,671	\$ 268,255	\$ 1,365,358	\$ 250,306	\$ -
2021	4,806,923	588,172	220,396	1,388,280	221,508	-
2022	4,753,517	491,524	170,116	676,953	184,015	-
2023	4,693,595	374,769	115,757	655,735	174,890	-
2024	4,538,231	289,153	67,294	624,000	165,945	-
2025-2029	8,304,095	836,491	-	3,390,000	675,886	-
2030-2034	2,987,000	207,210	-	3,337,000	351,480	-
2035-2039	710,000	16,650	-	2,115,000	96,266	-
2040-2044	538,000	-	-	-	-	-
2045	111,000	-	-	-	-	-
Total	<u>\$ 36,257,063</u>	<u>\$ 3,511,640</u>	<u>\$ 841,818</u>	<u>\$ 13,552,326</u>	<u>\$ 2,120,296</u>	<u>\$ -</u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 12 Long-term Debt - Continued

Debt Maturity Schedules - Continued

Interest paid on the Serial Bonds varies from year to year, in accordance with the interest rates specified in the bond agreements. The interest subsidy column reflects 50% of the amount of interest the City is required to pay on various bonds, which is subsidized by the NYS Environmental Facilities Corporation, a public benefit corporation within the State.

The following summarizes the City's future debt service requirements for the energy performance contract for June 30:

Year Ending	Governmental Activities			Business-type Activities		
	Principal	Interest	Total	Principal	Interest	Total
2020	\$ 503,139	\$ 110,124	\$ 613,263	\$ 1,468	\$ 321	\$ 1,789
2021	520,081	95,512	615,593	1,518	279	1,797
2022	537,585	80,408	617,993	1,569	235	1,804
2023	555,669	64,796	620,465	1,621	189	1,810
2024	574,354	48,659	623,013	1,676	142	1,818
2025-2026	1,101,197	46,718	1,147,915	3,213	136	3,349
Total	\$ 3,792,025	\$ 446,217	\$ 4,238,242	\$ 11,065	\$ 1,302	\$ 12,367

For the year ended June 30, 2019, the City of Auburn recognized interest expense of \$1,277,207, consisting of bond and BAN interest of \$1,038,856 and \$238,351, respectively, for governmental activities and \$379,955, consisting of bond and BAN interest of \$313,508 and \$66,447, respectively, for business-type activities.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 12 Long-term Debt - Continued

Auburn Industrial Development Authority Bonds Payable

Property Lease and Bond Payable

Each property lease is offset by an equal bond payable. The Authority Acts as an intermediary between the principal receipts from the lessee and the principal payments on the bonds, as the Authority does not receive or pay these monies directly.

Note Payable

In conjunction with the purchase of property, the Auburn Industrial Development Agency entered into a debt obligation with the City of Auburn: Note payable with annual payments of \$690, representing interest at 3%, commencing April 2002, with principal of \$23,100 due upon sale of property at 5000 Technology Boulevard, Auburn, collateralized by a mortgage on the property.

Changes in Long-term Debt

The following is a summary of changes in long-term debt for the year ended December 31, 2018:

	Payable at 12/31/2017	Additions	Deletions	Payable at 12/31/2018	Amount Due Within One Year
Bonds Payable	\$ 1,830,466	\$ -	\$ (121,778)	\$ 1,708,688	\$ 122,601
Notes Payable	23,100	-	-	23,100	-
Total	\$ 1,853,566	\$ -	\$ (121,778)	\$ 1,731,788	\$ 122,601

Note 13 Postemployment Benefits Other Than Pensions (OPEB)

General Information About the OPEB Plan

Plan Description - The City provides postemployment (health insurance, etc.) coverage to retired employees in accordance with the provisions of various employment contracts. The City's plan is a single-employer postemployment benefit plan (the Plan). No assets are accumulated in a trust that meets the criteria in paragraph 4 of GASB Statement No. 75. The Plan does not issue separate financial statements because there are no assets legally segregated for the sole purpose of paying benefits under the plan.

Benefits Provided - The benefit coverage is a self-funded medical and prescription drug plan for retirees. The benefit levels, employee contributions, and employer contributions are governed by the City's contractual agreements.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 13* Postemployment Benefits Other Than Pensions (OPEB) - Continued**

General Information About the OPEB Plan - Continued

Employees Covered by Benefit Terms - At June 30, 2019, the following employees were covered by the benefit terms:

Inactive Employees or Beneficiaries	
Currently Receiving Benefit Payments	331
Inactive Employees Entitled to	
But Not Yet Receiving Benefit Payments	-
Active Employees	<u>269</u>
Total	<u><u>600</u></u>

Total OPEB Liability

The City's total OPEB liability of \$73,768,286 was measured as of June 30, 2019, and was determined by an actuarial valuation as of July 1, 2018.

Actuarial Assumptions and Other Inputs - The total OPEB liability in the June 30, 2019 actuarial valuation was determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement, unless otherwise specified:

Single Discount Rate	3.4%
Salary Scale	3.4%
Marriage Rate	70.0%
Participation Rate	100.0%
Healthcare Cost Trend Rates	6.3% for 2019, Decreasing to an Ultimate Rate of 4.2% for 2070 and Later Years

The long-term bond rate is based on the Fidelity Municipal Go AA 20-Year Bond rate as of the measurement date (or the nearest business day thereto).

The salary scale was based on the rate at which payroll amounts are expected to increase over time for purposes of attributing liabilities under entry age normal, level percent of pay actuarial cost method.

Mortality rates were based on adjusted RP-2014 combined mortality, fully generational using scale MP-2018.

Termination rates were based on 2003 Society of Actuaries small plan withdrawal, scaled 50% for blue collar, scaled 75% for white collar.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 13* Postemployment Benefits Other Than Pensions (OPEB) - Continued**

Total OPEB Liability - Continued

Healthcare Cost Trend Rates were based on the National Health Expenditure Projections 2009-2025 and reflect the impact of legislative changes in 2017 and future years. Long-term trend rates were developed using the Societies of Actuaries Getzen Long-Term Healthcare Cost Trend Resource Model v2018_c (updated August 2017).

CPI inflation rates were based on the Livingston Survey for December 2016, Long-term (10-year) forecast mean rates.

Real GDP rates are based on median rates from OECD 2020-2060 GDP projections, published in 2017.

The actuarial assumptions used in the June 30, 2019 valuation were consistent with the requirements of GASB Statement No. 75 and Actuarial Standards of Practice (ASOPs).

Changes in the Total OPEB Liability

	Total OPEB Liability
Balance at June 30, 2018	\$ 61,649,087
Changes for the Year	
Service Cost	1,862,590
Interest Cost	2,245,701
Changes of Benefit Terms	-
Differences Between Expected and Actual Experience	7,962,122
Changes in Assumptions or Other Inputs	1,352,670
Benefit Payments	(1,303,884)
Net Change	12,119,199
Balance at June 30, 2019	\$ 73,768,286

Changes of assumptions and other inputs reflect a change in the discount rate from 3.61% percent in 2018 to 3.44% in 2019.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 13 Postemployment Benefits Other Than Pensions (OPEB) - Continued

Changes in the Total OPEB Liability - Continued

Sensitivity of the total OPEB liability to changes in the discount rate - The following presents the total OPEB liability of the City, as well as what the City's total OPEB liability would be if it were calculated using a discount rate that is 1-percentage point lower (2.44%) or 1-percentage point higher (4.44%) than the current discount rate:

	1% Decrease (2.44)%	Discount Rate (3.44)%	1% Increase (4.44)%
Total OPEB Liability	\$ 88,481,046	\$ 73,768,286	\$ 62,322,632

Sensitivity of the Total OPEB Liability to Changes in the Healthcare Cost Trend Rate - The following presents the total OPEB liability of the City, as well as what the City's total OPEB liability would be if it were calculated using a healthcare cost trend rate that is 1-percentage point lower or 1-percentage point higher than the current healthcare cost trend rate:

	1% Decrease (5.20)% to (3.23)%	Healthcare Cost Trend Rate (6.20)% to (4.23)%	1% Increase (7.20)% to (5.23)%
Total OPEB Liability	\$ 56,714,959	\$ 73,768,286	\$ 97,191,481

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended June 30, 2019, the City recognized OPEB expense of \$7,225,427.

At June 30, 2019, the City reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences Between Expected and Actual Experience	\$ 5,549,358	\$ 385,241
Changes in Assumptions or Other Inputs	1,681,341	-
Contributions Subsequent to Measurement Date	325,971	-
Total	\$ 7,556,670	\$ 385,241

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 13 Postemployment Benefits Other Than Pensions (OPEB) - Continued

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB - Continued

Amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Fiscal Year Ending June 30,	Amount
2020	\$ 3,117,107
2021	2,881,551
2022	846,800
2023	-
2024	-
Thereafter	-

Current Year Activity

The following is a summary of current year activity:

Governmental Activities	Beginning Balance	Change	Ending Balance
OPEB Liability	\$ 60,471,590	\$ 11,887,722	\$ 72,359,312
Deferred Outflows of Resources	(1,647,958)	(5,764,380)	(7,412,338)
Deferred Inflows of Resources	692,784	(314,901)	377,883
Total	\$ 59,516,416	\$ 5,808,441	\$ 65,324,857

Business-Type Activities	Beginning Balance	Change	Ending Balance
OPEB Liability	\$ 1,177,497	\$ 231,477	\$ 1,408,974
Deferred Outflows of Resources	(32,089)	(112,243)	(144,332)
Deferred Inflows of Resources	13,490	(6,132)	7,358
Total	\$ 1,158,898	\$ 113,102	\$ 1,272,000

Auburn Housing Authority

The actuarial valuation of the Auburn Housing Authority was measured as of March 31, 2019 and was determined by an actuarial valuation as of April 1, 2018. The OPEB liability totaled \$1,900,815 for the year ended March 31, 2019.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 14* Self Insurance and Contingent Liabilities**

Health Insurance

The City incurs costs related to an employee health insurance plan (the Plan) sponsored by the Cayuga County Health Insurance Consortium. The Plan's objectives are to formulate, develop and administer a program of insurance to obtain lower costs for that coverage, and to develop a comprehensive loss control program. Plan members are subject to a supplemental assessment in the event of deficiencies. If the Plan's assets were to be exhausted, members would be responsible for the Plan's liabilities. During the year ended June 30, 2019, the City incurred premiums or contribution expenditures totaling \$6,244,329.

Workers' Compensation and Professional Liability Claims

The City's policy is to record expenditures for workers' compensation claims in the governmental fund from which they are paid. During the current year, the City has accrued \$1,804,480 of workers' compensation claims on the Statement of Net Position as self-insurance liability which is expected be paid out over the next 20 years.

Judgments and Claims

As of June 30, 2019, the City has estimated a liability for judgments and claims of approximately \$1,383,877. The City has accrued approximately \$389,158 in general claims and \$994,719 in certiorari claims; this liability is included in property, casualty, and professional liability. In the past three years, no settlements exceeded insurance coverage, all claims are expected be become due within one year.

The schedule below presents the changes in claims liabilities for the past two years for the property, casualty, professional liability, and police and fire workers' compensation:

	Property, Casualty, and Professional Liability		Police and Fire Workers' Compensation	
	2019	2018	2019	2018
Unpaid Claims and Claim Adjustment				
Expenses - Beginning of Year	\$ 1,367,605	\$ 1,037,423	\$ 1,328,443	\$ 1,420,930
Provisions and Changes in Provisions for				
Claims and Claim Adjustment Expenses	285,858	870,363	631,642	20,635
Payments on Claims and Claims Adjustment				
Expenses Attributable to Insured Events	<u>(269,586)</u>	<u>(540,181)</u>	<u>(155,605)</u>	<u>(113,122)</u>
Total Unpaid Claims and				
Claim Adjustment Expenses - End of Year	<u>\$ 1,383,877</u>	<u>\$ 1,367,605</u>	<u>\$ 1,804,480</u>	<u>\$ 1,328,443</u>

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 15* Landfills - Closure and Post Closure Care Costs**

State and federal laws and regulations require the City to place a final cover on its landfill sites when they stop accepting waste, and to perform certain maintenance and monitoring functions at the sites for 30 years after closure. In accordance with these regulations, the City had previously adopted GASB Statement No. 18, "Accounting for Municipal Solid Waste Landfill Closure and Post Closure Care Costs."

Although closure and post closure care cost will be paid near or after the date the landfill stops accepting waste, the City reports a portion of these closure and post closure care costs as an operation expense in each period based on landfill capacity used.

The \$3,241,691 reported as landfill closure and post closure care liability at June 30, 2019 represents \$1,436,191 in anticipated closing costs, and \$1,805,500 post closure costs of which \$30,305 pertains to the post closure care monitoring for Landfill Site #1, which was closed September 1992.

The \$1,436,191 anticipated closing costs for Landfill Site #2 are based on 86% usage for landfill site #2 as the estimated capacity is filled. Actual cost may be different due to inflation, changes in technology, or changes in regulations. Post closure monitoring care costs remaining to be recognized are estimated to be \$2,176,963.

The anticipated remaining life of Landfill Site #2, including cell 4, is about one year, based on maximum permitted tonnage of 96,000 tons per year.

The liability for post closure costs is accounted for on an annual basis by appropriation of the necessary funds in the City operating budget.

Closure costs for cells 1, 2, 3, and 4 of Landfill Site #2 will be met primarily with the issuance of bonds and available cash reserves at the time of closure. The City has obtained the certification required for compliance with the Financial Assurance Requirements for Local Government Owners/Operators of Municipal Solid Waste Landfills.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 16* Deferred Compensation**

The City offers its employees a deferred compensation plan created in accordance with Internal Revenue Code §457. The Plan is available to all full-time and permanent part-time City employees and permits them to defer a portion of their salary until future years. Deferred compensation is not available to employees until termination, retirement, death, or unforeseeable emergency. As of October 2016, the Plan is administered by International City Management Association Retirement Corporation (ICMA-RC).

The City is a model plan, requires all deferred compensation funds be held in trust for the exclusive benefit of its participants and their beneficiaries. The City has designated ICMA-RC, as trustee in accordance with the New York State Deferred Compensation Board Rules and Regulations, as set forth at Part 9000 to Part 9006 of Subtitle II Title 9 NYCRR (the “Regulations” as published in the State Register on July 1, 1999, with an effective date of October 1, 1999) and §457 (g) of the Internal Revenue Code of 1986, as amended (the “Code”) to hold these group annuity contracts under the City of Auburn’s Model Plan for the exclusive benefit of participants and their beneficiaries.

At no time will any part of the corpus or income of the Trust Fund be used or delivered for purposes other than for the exclusive benefit of employees and their beneficiaries. The Trust Fund cannot revert to the state or city until all plan benefits have been paid to participants or beneficiaries.

***Note 17* Contingent Liabilities**

Amounts received or receivable from grant agencies are subject to audit and adjustment by grantor agencies, principally the Federal government. Any disallowed claims, including amounts already collected, may constitute a liability of the applicable funds. The amount, if any, of expenditures that may be disallowed by the grantor cannot be determined at this time, although the City expects such amounts, if any, to be immaterial.

The City is a defendant in various lawsuits. Although the outcome of these suits is not presently determinable, in the opinion of the City’s Corporation Counsel, the resolution of these matters will not have a material adverse effect on the financial condition or results of operations.

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

***Note 18* Stewardship, Compliance, and Accountability**

Deficit Fund Balance

The City's Capital Projects Fund had a deficit fund balance of \$11,585,974. This deficit is expected to be eliminated with permanent financing.

Deficit Net Position

At June 30, 2019, the Statement of Net Position had unrestricted deficit net positions of \$49,524,270 and \$2,208,196 for governmental activities and business-type activities, respectively. For governmental activities, this is the result of the requirement to record other postemployment benefit liability with no requirement or mechanism to fund this liability (see Note 13). This deficit is not expected to be eliminated during the normal course of operations. For business-type activities, this deficit will be eliminated through additional funding from the General Fund.

***Note 19* Subsequent Events**

On August 19, 2019, the City issued \$29,333,476 in bond anticipation notes with an interest rate of 1.75% to finance various infrastructure projects.

On August 19, 2019, the City issued \$1,470,340 of serial bonds with an interest rate of 4.0% to finance various infrastructure projects.

***Note 20* Commitments**

As of June 30, 2019, the City had outstanding contracts with various vendors for construction of the following capital projects:

General Government	\$ 715,389
Transportation	2,684,712
Culture and Recreation	353,243
Home and Community	<u>1,478,220</u>
	<u><u>\$ 5,231,564</u></u>

***Note 21* Tax Abatements**

For the year ended June 30, 2019, the City was subject to tax abatements negotiated by the Auburn Industrial Development Authority and the Cayuga County Industrial Development Agency (collectively known as the IDAs).

CITY OF AUBURN

NOTES TO FINANCIAL STATEMENTS JUNE 30, 2019

Note 21 Tax Abatements - Continued

The IDAs entered into payment in lieu of taxes (PILOT) agreements with businesses within the City of Auburn under New York State General Municipal Law 858. Economic development agreements entered into by the IDAs can include the abatement of city, county, other local, and school district taxes. In this case, negotiated abatements have resulted in reductions of property taxes, which the IDAs administer as a temporary reduction in the assessed value of the property involved. The abatement agreements generally stipulate a percentage reduction of property taxes, but sometimes stipulate a dollar value reduction in lieu of a percentage reduction.

Information relevant to disclosure of the program for the year ended June 30, 2019 is as follows:

	Taxable Assessed Value	Tax Rate	Tax Value	PILOT Received	Taxes Abated
Auburn Industrial Development Agency					
Property Tax Abatements:					
Auburn Community Hotel	\$ 10,000,000	\$12.53 / \$1,000	\$ 122,379	\$ 10,023	\$ 112,356
Bluefield Manor	5,693,100	\$12.53 / \$1,000	69,672	29,572	40,100
Calamar	8,800,000	\$12.53 / \$1,000	107,694	43,077	64,617
Carovail	1,081,999	\$12.53 / \$1,000	13,241	3,399	9,842
Central Building	3,570,000	\$12.53 / \$1,000	42,833	14,137	28,696
Community Computer	1,800,000	\$12.53 / \$1,000	22,028	8,656	13,372
Gen West	3,180,000	\$12.53 / \$1,000	38,917	13,621	25,296
JBj	4,824,197	\$12.53 / \$1,000	59,038	41,203	17,835
Logan Lofts	2,078,000	\$12.53 / \$1,000	25,430	3,974	21,456
Mack Studios	1,025,000	\$12.53 / \$1,000	12,544	2,313	10,231
McQuay	13,000,000	\$12.53 / \$1,000	159,093	97,903	61,190
NUCOR	31,000,999	\$12.53 / \$1,000	379,387	56,405	322,982
PBMM	1,718,200	\$12.53 / \$1,000	21,027	12,616	8,411
Seminary Commons	1,601,000	\$12.53 / \$1,000	19,593	8,567	11,026
WST33	2,740,000	\$12.53 / \$1,000	33,532	6,253	27,279
Cayuga County Industrial Development Agency					
Property Tax Abatements:					
FLRR	765,250	\$12.53 / \$1,000	13,120	9,480	3,640
Total Tax Abatement Agreements	<u>\$ 92,877,745</u>		<u>\$ 1,139,528</u>	<u>\$ 361,199</u>	<u>\$ 778,329</u>

Note 22 Restatement

During the year the City corrected an error related to its allocation of other postemployment benefit obligations between governmental activities and business-type activities.

The City's June 30, 2018 net position was restated to reflect the following:

	Governmental Activities	Business-Type Activities
Net Position Beginning of Year	<u>\$ 47,124,628</u>	<u>\$ 1,444,339</u>
Correction of an Error:		
Deferred Outflows of Resources - OPEB	(32,089)	32,089
Other Postemployment Benefit Liability	1,177,497	(1,177,497)
Deferred Inflows of Resources - OPEB	13,490	(13,490)
Net Position Beginning of Year, as Restated	<u>\$ 48,283,526</u>	<u>\$ 285,441</u>

Required Supplementary Information

CITY OF AUBURN

BUDGETARY COMPARISON SCHEDULE GENERAL FUND - NON-GAAP BUDGET BASIS FOR THE YEAR ENDED JUNE 30, 2019

	Original Budget	Final Budget	Actual	Encumbrances	Favorable (Unfavorable)
REVENUES					
Real Property Taxes	\$ 11,986,515	\$ 11,986,515	\$ 12,072,852		\$ 86,337
Real Property Tax Items	750,000	750,000	939,594		189,594
Nonproperty Tax Items	9,677,300	9,677,300	9,999,740		322,440
Departmental Income	855,000	885,000	967,700		82,700
Intergovernmental Charges	312,000	312,000	306,154		(5,846)
Use of Money and Property	220,000	276,000	580,101		304,101
Licenses and Permits	182,900	212,799	198,978		(13,821)
Fines and Forfeitures	443,900	469,564	375,439		(94,125)
Sale of Property and Compensation for Loss	371,000	493,315	298,342		(194,973)
Miscellaneous Local Sources	1,550,000	1,552,000	108,949		(1,443,051)
Interfund Revenues	2,071,000	2,105,911	3,378,353		1,272,442
State Sources	5,778,100	5,928,100	6,422,377		494,277
Federal Sources	60,000	831,350	289,110		(542,240)
Total Revenues	34,257,715	35,479,854	35,937,689	-	457,835
EXPENDITURES					
General Governmental Support	4,064,008	4,470,310	3,756,293	73,190	640,827
Public Safety	12,908,783	14,324,491	13,914,188	399,888	10,415
Transportation	1,235,086	1,251,286	1,245,491	5,666	129
Economic Assistance and Opportunity	50,000	50,000	50,000		-
Culture and Recreation	1,363,056	1,606,554	1,511,625	29,703	65,226
Home and Community Services	601,120	545,095	538,482		6,613
Employee Benefits	10,464,915	10,429,077	10,229,024		200,053
Debt Service - Principal and Interest	3,187,636	3,354,876	3,354,876		-
Total Expenditures	33,874,604	36,031,689	34,599,979	508,447	923,263
Excess of Revenues (Expenditures)	383,111	(551,835)	1,337,710	(508,447)	1,381,098
OTHER FINANCING SOURCES (USES)					
Premium on Obligations			155,748		155,748
Interfund Transfers Out	(460,000)	(585,300)	(515,300)		70,000
Interfund Transfers In		43,310	76,971		33,661
Total Other Financing Sources (Uses)	(460,000)	(541,990)	(282,581)		259,409
Excess of Revenues and Other Financing Sources over (Expenditures) and Other (Uses)	(76,889)	(1,093,825)	1,055,129	\$ (508,447)	\$ 1,640,507
Prior Year Encumbrances	76,889	76,889			
Use of Fund Balance	-	1,016,936			
Net Change in Fund Balance	\$ -	\$ -	1,055,129		
Fund Balances - Beginning of Year			5,345,920		
Fund Balances - End of Year			\$ 6,401,049		

See Notes to Required Supplementary Information

CITY OF AUBURN

BUDGETARY COMPARISON SCHEDULE - BUDGETED MAJOR SPECIAL REVENUE FUNDS SEWER FUND - NON-GAAP BUDGET BASIS FOR THE YEAR ENDED JUNE 30, 2019

	<u>Original Budget</u>	<u>Final Budget</u>	<u>Actual</u>	<u>Encumbrances</u>	<u>Variance</u>
REVENUES					
Departmental Income	\$ 7,710,000	\$ 7,710,000	\$ 7,955,526	\$	\$ 245,526
Use of Money and Property	2,000	2,000	1,236		(764)
Sale of Property and Compensation for Loss	5,000	5,000	1,054		(3,946)
Miscellaneous local sources	195,300	195,300	-		(195,300)
Total Revenues	<u>7,912,300</u>	<u>7,912,300</u>	<u>7,957,816</u>		<u>45,516</u>
EXPENDITURES					
General Governmental Support	181,000	1,047,500	976,559		70,941
Home and Community Services	2,869,744	2,918,869	2,652,846	27,725	238,298
Employee Benefits	857,311	857,311	797,211		60,100
Debt Service - Principal and Interest	3,020,000	3,127,200	2,990,800		136,400
Total Expenditures	<u>6,928,055</u>	<u>7,950,880</u>	<u>7,417,416</u>	<u>27,725</u>	<u>505,739</u>
Excess of Revenues (Expenditures)	<u>984,245</u>	<u>(38,580)</u>	<u>540,400</u>	<u>(27,725)</u>	<u>551,255</u>
OTHER FINANCING SOURCES (USES)					
Interfund Transfers Out	<u>(1,026,000)</u>	<u>(163,536)</u>	<u>(28,536)</u>		<u>135,000</u>
Total Other Financing Sources (Uses)	<u>(1,026,000)</u>	<u>(163,536)</u>	<u>(28,536)</u>		<u>135,000</u>
Excess of Revenues and Other Sources over Expenditures and Other Financing (Uses)	<u>(41,755)</u>	<u>(202,116)</u>	<u>511,864</u>	<u>(27,725)</u>	<u>\$ 686,255</u>
Prior Year Encumbrances	<u>41,755</u>	<u>41,755</u>			
Use of Fund Balance	<u>-</u>	<u>160,361</u>			
Net Change in Fund Balance	<u>\$ -</u>	<u>\$ -</u>	<u>511,864</u>		
Fund Balance - Beginning of Year			<u>2,088,229</u>		
Fund Balance - End of Year			<u>\$ 2,600,093</u>		

See Notes to Required Supplementary Information

CITY OF AUBURN

SCHEDULE OF CHANGES IN THE CITY'S TOTAL OPEB LIABILITY AND RELATED RATIOS FOR THE LAST 10 FISCAL YEARS

	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Service Cost	\$ 1,862,590	\$ 1,698,907	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *
Interest Cost	2,245,701	2,222,671	*	*	*	*	*	*	*	*
Changes of Benefit Terms	-	(7,145)	*	*	*	*	*	*	*	*
Differences Between Expected and Actual Experience	7,962,122	(1,027,307)	*	*	*	*	*	*	*	*
Changes in Assumptions or Other Inputs	1,352,670	1,969,523	*	*	*	*	*	*	*	*
Benefit Payments	(1,303,884)	(1,276,074)	*	*	*	*	*	*	*	*
	12,119,199	3,580,575	*	*	*	*	*	*	*	*
Total OPEB Liability - Beginning	61,649,087	58,068,512	*	*	*	*	*	*	*	*
Total OPEB Liability - Ending	<u>\$73,768,286</u>	<u>\$61,649,087</u>	<u>\$58,068,512</u>	<u>\$ *</u>	<u>\$ *</u>	<u>\$ *</u>	<u>\$ *</u>	<u>\$ *</u>	<u>\$ *</u>	<u>\$ *</u>
Covered Employee Payroll	\$16,431,325	\$16,431,325	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *	\$ *
Total OPEB Liability as a Percentage of Covered Payroll	449%	375%	*	*	*	*	*	*	*	*

* Information for periods prior to implementation of GASB Statement No. 75 is unavailable
and will be completed as it becomes available.

See Notes to Required Supplementary Information

CITY OF AUBURN

SCHEDULE OF THE CITY'S CONTRIBUTIONS NYSLRS PENSION PLAN FOR THE LAST 10 FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
Contractually Required Contribution										
ERS	\$ 1,123,578	\$ 1,247,188	\$ 1,216,200	\$ 1,448,060	\$ 1,227,962	\$ 1,048,243	\$ 1,402,886	\$ 828,071	\$ 881,895	\$ 591,907
PFRS	2,340,134	2,522,569	2,384,745	2,191,612	2,672,150	2,052,700	2,432,793	1,965,646	1,900,170	1,508,456
Contributions in Relation to the										
Contractually Required Contribution										
ERS	(1,123,578)	(1,247,188)	(1,216,200)	(1,448,060)	(1,227,962)	(1,048,243)	(1,402,886)	(828,071)	(881,895)	(591,907)
PFRS	(2,340,134)	(2,522,569)	(2,384,745)	(2,191,612)	(2,672,150)	(2,052,700)	(2,432,793)	(1,965,646)	(1,900,170)	(1,508,456)
Contribution Deficiency (Excess)										
ERS	-	-	-	-	-	-	-	-	-	-
PFRS	-	-	-	-	-	-	-	-	-	-
City's Covered-employee Payroll										
for Year Ended June 30,										
ERS	7,725,267	7,665,524	7,561,327	6,938,635	6,882,010	7,053,994	6,926,265	*	*	*
PFRS	10,380,982	10,549,780	10,167,102	9,712,368	10,065,913	9,697,498	9,644,574	*	*	*
Contributions as a Percentage										
of Covered-employee Payroll										
ERS	14.5%	16.3%	16.1%	20.9%	17.8%	14.9%	20.3%	*	*	*
PFRS	22.5%	23.9%	23.5%	22.6%	26.5%	21.2%	25.2%	*	*	*

See Notes to Required Supplementary Information

CITY OF AUBURN

SCHEDULES OF THE CITY'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY - NYSLRS PENSION PLAN FOR THE YEARS ENDED JUNE 30,

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>
City's Proportion of the Net Pension Liability					
ERS	0.03%	0.03%	0.03%	0.03%	0.03%
PFRS	0.30%	0.31%	0.31%	0.34%	0.32%
City's Proportionate Share of the Net Pension Liability					
ERS	\$ 2,118,293	\$ 989,008	\$ 2,796,607	\$ 4,712,538	\$ 994,781
PFRS	5,112,486	3,128,514	6,457,568	10,010,355	885,962
	<u>7,230,779</u>	<u>4,117,522</u>	<u>9,254,175</u>	<u>14,722,893</u>	<u>1,880,743</u>
City's Covered-employee Payroll					
ERS	7,708,228	7,651,289	7,291,440	6,908,942	6,873,032
PFRS	10,297,905	10,633,738	10,011,556	9,567,111	10,232,180
	<u>18,006,133</u>	<u>18,285,027</u>	<u>17,302,996</u>	<u>16,476,053</u>	<u>17,105,212</u>
City's Proportionate Share of the Net Pension Liability as a Percentage of its Covered-employee Payroll					
ERS	27.5%	12.9%	38.4%	68.2%	14.5%
PFRS	49.6%	29.4%	64.5%	104.6%	8.7%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability					
ERS	96.3%	98.2%	94.7%	90.7%	97.9%
PFRS	95.1%	96.9%	93.5%	90.2%	99.0%

See Notes to Required Supplementary Information

CITY OF AUBURN

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION JUNE 30, 2019

***Note 1* Budget Basis of Accounting**

Except as indicated below, budgets are adopted annually on a basis consistent with accounting principles generally accepted in the United States of America. Appropriations authorized for the current year are increased by the amount of encumbrances carried forward from the prior year. Encumbrances are not considered a disbursement in the financial plan or expenditure in GAAP based financial statements. Encumbrances reserve a portion of the applicable appropriation for purchase orders, contracts, and other commitments not expended at year end, thereby ensuring that appropriations are not exceeded.

1. Annual operating budgets are maintained for the following Governmental Fund Types:

- General Fund
- Special Revenue Funds (Water, Sewer, and Refuse Collection)

The Special Grant Fund (in Special Revenue Funds) and other Governmental Fund types do not have annual budgets, as grant awards and revenues received under other contractual requirements recorded in these funds span more than a single fiscal year.

Annual budgets are approved by City Council and maintained for the City's Business-type activity funds (Landfill and Enterprise Funds)

The City Charter requires operating budgets be submitted to the Mayor and City Council at least 30 days prior to the beginning of the fiscal year.

2. No later than June 1, the City Manager submits the tentative City budget to the City Council and files it with the City Clerk. Upon filing the tentative City budget, a notice is published in the official newspapers of the City.
3. After the public hearing on the recommended budgets, the Mayor and City Council adopt the final City budget no later than June 20.
4. Annual budgets adopted represent the legal limit on expenditures for that period. At the end of each year unexpended, unencumbered appropriations lapse. Encumbered appropriations do not lapse and are carried forward.
5. Expenditures may not legally exceed appropriations at the fund level.
6. Budget changes within a fund may be authorized by the City Manager and the Comptroller.
7. City Council may increase the appropriations budget during the fiscal year where additional revenues or expenditures not involved in the original adopted budget are identified.

CITY OF AUBURN

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION JUNE 30, 2019

***Note 2* Reconciliation of the Fund Budget Basis to GAAP**

No adjustment is necessary to convert excess of revenues and other sources over expenditures and other uses on the GAAP basis to the budget basis, as there were no encumbrances added to the actual expenditures recorded in the budgetary comparison schedules.

***Note 3* Schedule of Changes in the City's Total OPEB Liability and Related Ratios**

Changes of assumptions and other inputs reflected the effect of changes in the discount rate each period. The following are the discount rates in each period.

2019 - 3.44%
2018 - 3.61%

***Note 4* Schedules of the City's Proportionate Share of the Net Pension Liability**

The Schedule of the City's Proportionate Share of the Net Pension Liability, required supplementary information, presents five years of information. This schedule will present ten years of information as it becomes available.

***Note 5* Schedules of City's Contributions - NYSLRS Pension Plans and Schedules of the City's Proportionate Share of the Net Pension Liability**

NYSLRS

Changes in Benefit Terms

There were no significant legislative changes in benefits.

Changes of Assumptions

There were changes in the economic (investment rate of return, inflation, COLA, and salary scales) and demographic (pensioner mortality and active member decrements) assumptions used in the April 1, 2018 actuarial valuation.

CITY OF AUBURN

NOTES TO REQUIRED SUPPLEMENTARY INFORMATION JUNE 30, 2019

***Note 5* Schedules of City's Contributions - NYSLRS Pension Plans and Schedules of the City's Proportionate Share of the Net Pension Liability - Continued**

Methods and Assumptions Used in Calculations of Actuarially Determined Contributions

The April 1, 2018 actuarial valuation determines the employer rates for contributions payable in fiscal year 2019. The following actuarial methods and assumptions were used:

Actuarial Cost Method	The System is funded using the Aggregate Cost Method. All unfunded actuarial liabilities are evenly amortized (as a percentage of projected pay) over the remaining worker lifetimes of the valuation cohort.
Asset Valuation Period	5 year level smoothing of the difference between the actual gain and the expected gain using the assumed investment rate of return.
Inflation	2.5%
Salary Scale	3.8% in ERS, 4.5% in PFRS, indexed by service.
Investment Rate of Return	7.0% compounded annually, net of investment expenses, including inflation.
Cost of Living Adjustments	1.3% annually.

CITY OF AUBURN

COMBINING BALANCE SHEET NON-MAJOR GOVERNMENTAL FUNDS JUNE 30, 2019

	Special Revenue Funds					Total Non-Major Governmental Funds
	Water Fund	Refuse Collection Fund	Casey Park Ice Rink Fund	Permanent Fund	Police Seizure Fund	
ASSETS						
Cash and Cash Equivalents, Unrestricted	\$ 1,069,153	\$ 400,370	\$ 39	\$ -	\$ 195,484	\$ 1,665,046
Cash and Cash Equivalents, Restricted	-	-	-	9,353	-	9,353
Investments	2,481	-	-	-	-	2,481
Due from Other Funds	8,319	1,166	-	-	2,300	11,785
Other Receivables	1,283,745	-	-	-	-	1,283,745
Total Assets	\$ 2,363,698	\$ 401,536	\$ 39	\$ 9,353	\$ 197,784	\$ 2,972,410
LIABILITIES						
Accounts Payable	\$ 196,366	\$ 9,864	\$ -	\$ -	\$ 2,644	\$ 208,874
Accrued Liabilities	56,553	25,380	-	-	-	81,933
Due to Other Funds	677,368	24,993	-	-	-	702,361
Due to Retirement System	36,319	10,065	-	-	-	46,384
Total Liabilities	966,606	70,302	-	-	2,644	1,039,552
FUND BALANCES						
Nonspendable	-	-	-	9,353	-	9,353
Restricted	-	-	-	-	-	-
Committed	34,209	-	-	-	-	34,209
Assigned	1,362,883	331,234	39	-	195,140	1,889,296
Total Fund Balances	1,397,092	331,234	39	9,353	195,140	1,932,858
Total Liabilities and Fund Balances	\$ 2,363,698	\$ 401,536	\$ 39	\$ 9,353	\$ 197,784	\$ 2,972,410

CITY OF AUBURN

COMBINING STATEMENT OF REVENUES, EXPENDITURES, AND CHANGES IN FUND BALANCES NON-MAJOR GOVERNMENTAL FUNDS FOR THE YEAR ENDED JUNE 30, 2019

	Special Revenue Funds					Total Non-Major Governmental Funds
	Water Fund	Refuse Collection Fund	Casey Park Ice Rink Fund	Permanent Fund	Police Seizure Fund	
REVENUES						
Departmental Income	\$ 4,962,745	\$ 1,242,730	\$ -	\$ -	\$ -	\$ 6,205,475
Use of Money and Property	1,391	2,409	4	9	178	3,991
Sale of Property and Compensation for Loss	926	88,335	-	-	9,295	98,556
Federal Sources	-	-	-	-	19,171	19,171
Total Revenues	4,965,062	1,333,474	4	9	28,644	6,327,193
EXPENDITURES						
General Government Support	883,167	-	-	-	-	883,167
Public Safety	-	-	-	-	34,019	34,019
Culture and recreation	-	-	47,000	-	-	47,000
Home and Community Services	2,221,750	894,887	-	-	-	3,116,637
Employee Benefits	577,417	259,215	-	-	-	836,632
Debt Principal	1,145,532	66,400	-	-	-	1,211,932
Debt Interest	319,269	10,951	-	-	-	330,220
Total Expenditures	5,147,135	1,231,453	47,000	-	34,019	6,459,607
Excess of Revenue (Expenditures)	(182,073)	102,021	(46,996)	9	(5,375)	(132,414)
OTHER FINANCING SOURCES (USES)						
Interfund Transfers In	-	-	-	-	2,350	2,350
Interfund Transfers Out	-	-	-	-	(41,010)	(41,010)
Premium on Obligations	92,203	8,778	-	-	-	100,981
Total Other Financing Sources (Uses)	92,203	8,778	-	-	(38,660)	62,321
Net Changes in Fund Balances	(89,870)	110,799	(46,996)	9	(44,035)	(70,093)
Fund Balances - Beginning of Year	1,486,962	220,435	47,035	9,344	239,175	2,002,951
Fund Balances - End of Year	\$ 1,397,092	\$ 331,234	\$ 39	\$ 9,353	\$ 195,140	\$ 1,932,858



**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS
BASED ON AN AUDIT OF FINANCIAL STATEMENTS
PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS***

Honorable Mayor and
Members of City Council
City of Auburn
Auburn, New York

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the City of Auburn (the City) as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the City's basic financial statements and have issued our report thereon dated December 17, 2019.

Our report includes a reference to other auditors who audited the financial statements of the Auburn Industrial Development Agency and the Auburn Housing Authority, as described in our report on the City's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the City's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the City's internal control. Accordingly, we do not express an opinion on the effectiveness of the City's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or, significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

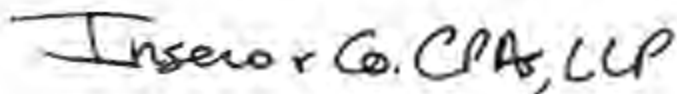
Compliance and Other Matters

As part of obtaining reasonable assurance about whether the City's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the City's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Respectfully Submitted,

A handwritten signature in dark ink that reads "Insero & Co. CPAs, LLP". The signature is written in a cursive, slightly slanted style.

Insero & Co. CPAs, LLP
Certified Public Accountants

Ithaca, New York
December 17, 2019



**INDEPENDENT AUDITORS' REPORT ON COMPLIANCE FOR EACH
MAJOR PROGRAM AND ON INTERNAL CONTROL OVER COMPLIANCE
REQUIRED BY UNIFORM GUIDANCE**

Honorable Mayor and
Members of City Council
City of Auburn
Auburn, New York

Report on Compliance for Each Major Federal Program

We have audited the City of Auburn's (the City) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the City's major federal programs for the year ended June 30, 2019. The City's major federal programs are identified in the summary of auditors' results section of the accompanying Schedule of Findings and Questioned Costs.

Management's Responsibility

Management is responsible for compliance with the requirements of federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditors' Responsibility

Our responsibility is to express an opinion on compliance for each of the City's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the City's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the City's compliance.

Opinion on Each Major Federal Program

In our opinion, the City complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2019.

Report on Internal Control over Compliance

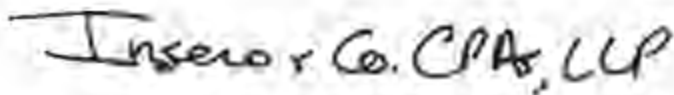
Management of the City is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the City's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Respectfully Submitted,



Insero & Co. CPAs, LLP
Certified Public Accountants

Ithaca, New York
December 17, 2019

CITY OF AUBURN

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS FOR THE YEAR ENDED JUNE 30, 2019

<u>Federal Grantor Pass-Through Grantor Program Title</u>	<u>Federal CFDA #</u>	<u>Pass - Through Grantor ID #</u>	<u>Pass - Through to Subrecipients</u>	<u>Amount of Expenditures</u>
Department of Housing and Urban Development				
Direct Program:				
Community Development Block Grants Entitlement Grants Cluster:				
Community Development Block Grants - Entitlement Grants	14.218	N/A	\$ 131,772	\$ 1,042,396
Total Community Development Block Grants Entitlement Grants Cluster and Department of Housing and Urban Development			131,772	1,042,396
Department of Justice				
Direct Program:				
U.S. Marshall's Service New York/New Jersey				
Regional Fugitive Force	16.710	N/A	-	33,923
Equitable Sharing Program	16.922	N/A	-	19,171
Bullet Proof Vest Partnership Program	16.607	N/A	-	3,088
Support for Adam Walsh Act Implementation Grant Program	16.750	N/A	-	8,756
Total Department of Justice			-	64,938
Department of Transportation				
Passed Through NYS Department of Transportation:				
Highway Planning and Construction Cluster:				
Highway Planning and Construction	20.205	D034238	-	2,644,825
Highway Planning and Construction	20.205	D034815	-	357,816
Highway Planning and Construction	20.205	D034841	-	58,808
Highway Planning and Construction	20.205	D034689	-	2,959,746
Highway Planning and Construction	20.205	D034688	-	180,827
Highway Planning and Construction	20.205	D035595	-	277,720
Total Highway Planning and Construction Cluster			-	6,479,742
Total Department of Transportation			-	6,479,742
Corporation for National and Community Service				
Direct Program:				
Retired and Senior Volunteer Program	94.002	N/A	-	51,295
Total Corporation for National and Community Service			-	51,295
Department of Homeland Security				
Passed Through the NYS Department of Homeland Security and Emergency Services:				
Homeland Security Grant Program	97.067	TR15	-	17,316
Direct Program:				
Assistance to Firefighters Grant	97.077	N/A	-	174,732
Total Department of Homeland Security			-	192,048
Total Federal Expenditures			\$ 131,772	\$ 7,830,419

N/A - Indicates Direct Award

See Notes to Schedule of Expenditures of Federal Awards

CITY OF AUBURN

NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS JUNE 30, 2019

Note 1 **Basis of Presentation**

The accompanying Schedule of Expenditures of Federal Awards presents the activity of all federal awards programs administered by the City, an entity as defined in Note 1 to the City's basic financial statements. Federal awards received directly from federal agencies, as well as federal awards passed through from other government agencies, are included on the Schedule of Expenditures of Federal Awards.

Note 2 **Basis of Accounting**

The basis of accounting varies by federal program consistent with the underlying regulations pertaining to each program.

The amounts reported as federal expenditures generally were obtained from the appropriate federal financial reports for the applicable program and periods. The amounts reported in these federal financial reports are prepared from records maintained for each program. These records are periodically reconciled to the general ledger, which is the source of the financial statements.

Note 3 **Indirect Cost Rate**

Indirect costs are included in the reported expenditures to the extent they are included in the federal financial reports used as the source for the data presented. The City has not elected to use the 10% de minimus cost rate allowed under Uniform Guidance.

Note 4 **Matching Costs**

Matching costs, i.e., the City's share of certain program costs, are not included in the reported expenditures.

Note 5 **Expenditures of Federal Revenue**

The City of Auburn operates a revolving loan program utilizing federal financial assistance received under the Community Development Block Grants/Small Cities and Entitlement Programs. Loans outstanding at June 30, 2019 under this program, as reported in the City's financial statements, are as follows:

Loans Receivable	\$ 4,062,466
Less: Allowance for Uncollectible Accounts	<u>(707,499)</u>
Net Loans Receivable	<u>\$ 3,354,967</u>

The City disbursed new loans in the amount of \$70,645 and received program income from repayment of loan principal in the amount of \$209,329.

CITY OF AUBURN

NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS JUNE 30, 2019

***Note 6* Sub-Recipients**

The City of Auburn provided federal awards to sub-recipients as follows:

Community Development Block Grant - CFDA Number 14.218

Aurora Of CNY Vision/Hearing	\$ 11,744
Boyle Senior Center	10,000
Transporation Project Of Cayuga County SCAT Van	9,689
Chapel House Homeless Shelter	14,000
Cayuga-Seneca Community Action Agency Homeless Services	13,040
Rescue Mission of CNY	22,299
Calvary Food Pantry	10,000
Freedom Recreational Services	7,500
Legal Aid Services - Victims of Domestic Violence	10,000
Cayuga Counseling Services CCSI	15,000
Booker T. Washington Summer Camp	8,500

Total	<u>\$ 131,772</u>
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CITY OF AUBURN

SCHEDULE OF FINDINGS AND QUESTIONED COSTS JUNE 30, 2019

Section I - Summary of Auditors' Results

Financial Statements

Type of auditors' report issued Unmodified

Internal control over financial reporting:

Material weakness(es) identified? ____ yes X no

Significant deficiency(ies) identified that
are not considered to be material weakness(es)? ____ yes X none reported

Noncompliance material to financial statements noted? ____ yes X no

Federal Awards

Internal control over major programs:

Material weakness(es) identified? ____ yes X no

Significant deficiency(ies) identified that
are not considered to be material weakness(es)? ____ yes X none reported

Type of auditors' report issued on compliance
for major programs Unmodified

Any audit findings disclosed that are required
to be reported in accordance with Uniform
Guidance 2 CFR 200.516(a)? ____ yes X no

Identification of major programs:

CFDA	
Number	Name of Federal Program or Cluster
20.205	Highway Planning and Construction Cluster

Dollar threshold used to distinguish between
type A and type B programs \$750,000

Auditee qualified as low-risk auditee: X yes ____ no

Section II - Financial Statement Findings None

Section III - Federal Award Findings and Questioned Costs None