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Rondout Creek Water Quality Assessment

City of Kingston

December 2014

Rondout Creek Water Quality Assessment

Prepared for: City of Kingston

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Our Ref.: 05744023.0000

Date: December 2014

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- A Receiving Water Quality Sampling PlanFor Post Construction Monitoring
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Executive Summary

The City of Kingston (City) retained Malcolm Pirnie, Inc., the Water Division of ARCADIS (ARCADIS), to assist with the development and implementation of its Long Term Control Plan (LTCP) to comply with the United States Environmental Protection Agency (US EPA) Combined Sewer Overflow (CSO) Control Policy. The City has four permitted CSO discharges to the Rondout Creek. CSOs are point sources subject to State Pollution Discharge Elimination System (SPDES) permit requirements, including both technology-based and water quality-based requirements of the Clean Water Act.

As part of approved LTCP, the City conducted Post Construction Monitoring of the Rondout Creek during the 2014 recreational season. Post Construction Monitoring is the method used to assess whether the steps taken to control discharges comply with the USEPA CSO Control Policy and whether the receiving body meets or is not precluded from meeting Water Quality Standards (WQS).

Applicable WQS standards that were considered for Post Construction Monitoring include:

- The fecal coliform standard for both Class B and C designations of 200 colonyforming units per 100 milliliter (CFU/100 mL) geometric mean (geomean), of no less than five samples per time period;
- The total suspended solids (TSS) and settleable solids standard of no wastes that will cause deposition or impair the water for their best usages.
- The dissolved oxygen (DO) standard for non-trout waters of 5.0 milligram per milliliter (mg/L, minimum daily average) and 4.0 mg/L (minimum instantaneous), and;
- The temperature standard for non-trout waters at the surface of 90° Fahrenheit (F) (instantaneous maximum).

Based on the 5 month sampling and analysis period between May 2014 and September 2014, ARCADIS has concluded that the Rondout Creek is not impaired nor precluded from meeting WQS as set forth by the New York State Department of Conservation (NYS DEC). During that time period a total of approximately 175 samples were collected and analyzed for fecal coliform, TSS, suspended solids, DO and temperature each. Five separate locations within the receiving body were



routinely sampled to develop an accurate assessment of the water quality. One sampling point up stream of the Eddyville Dam was selected to assess the potential for impacts from upstream point and non-point sources.

The City also documented the occurrence of CSOs during the Post Construction Monitoring program by installing flow meters on the overflows. This recreational season was drier than a typically year, with no wet weather events reported in August and September that met the sampling criteria, however, the City recorded the CSO volumes reported in Table EX-1 for wet weather events in June (July 2), June and September (October 8).

Table EX-1 Wet Weather Combined Sewer Overflow Volumes

	5/16/2014	7/2/2014	7/27/2014	10/8/2014
	Flow			
Hasbrouck	observed*	2.16	0.126	1.07
Broadway	NA*	0.19	0.011	0.08
Hunter	NA*	0.65	0	0.11
Wilbur	NA*	N/A*	0	0.095
Total		3.00	0.14	1.36

Combined Sewer Overflow Volume (Million Gallons)

* Denotes no volumetric flow data available for this location

Figure EX-1 presents the monthly geomeans for the seven sampling locations within the Rondout Creek for fecal coliform. All geomeans showed the Rondout Creek in compliance with the 200 CFU/100mL WQS and typically less than 60 CFU/100mL.





Figure EX-1 Monthly Geometric Mean for Fecal Coliform

Tables EX-2 and EX-3 show the results for settable solids and TSS. Settleable solids monthly arithmetic means were typically calculated to be 0.09 milliliter per Liter (mL/L), which is very low and will not impair the receiving body. TSS monthly arithmetic means were calculated to be between 1.8 mg/L and 9.2 mg/L.

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	Мау	June	July	August	September
Site 1 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 2 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 3 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 4 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 5 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 6 (mL/L)	0.09	0.09	0.09	0.09	0.09
Site 7 (mL/L)	0.09	0.09	0.09	0.09	0.17

Table EX-2 Settable Solids Monthly Arithmetic Mean

Table EX-3 TSS Monthly Arithmetic Mean

	Мау	June	July	August	September
Site 1 (mg/L)	4.4	6.4	2.3	3.3	3.0
Site 2 (mg/L)	5.3	5.4	3.4	2.6	3.4
Site 3 (mg/L)	3.0	4.8	3.4	3.2	4.6
Site 4 (mg/L)	9.2	6.0	4.6	3.8	5.3
Site 5 (mg/L)	7.6	6.0	4.2	6.0	8.0
Site 6 (mg/L)	3.8	4.2	3.3	4.3	2.8
Site 7 (mg/L)	4.4	5.3	1.9	1.8	2.8

At no time was the DO lower than 4.0 mg/L nor the temperature above 90° F. All of the data collected showed that the CSOs are not precluding the Rondout Creek from meeting the WQS as set forth by the NYS DEC.



1. Introduction

1.1 Project Background

The City of Kingston (City) has four combined sewer overflows (CSOs) that discharge to the Rondout Creek (Figure 1-1). CSOs are point sources subject to SPDES permit requirements including both technology-based and water quality-based requirements of the Clean Water Act.

The City was required as part of their Long Term Control Plan (LTCP) to perform Post Construction Monitoring of the Rondout Creek. Post Construction Monitoring as described in this section, is the method used to assess whether the steps taken to control discharges from the Combined Sewer System comply with the United States Environmental Protection Agency (USEPA) CSO Control Policy and, further, whether in complying with the Policy the Rondout Creek meets or is not precluded from meeting Water Quality Standards (WQS). The Plan For Post Construction Monitoring (Sampling Plan, Appendix A) updated the Monitoring and Modeling Plan approved by New York State Department of Environmental Conservation (NYS DEC) in 2007 and was used by the City of Kingston to collect the sampling data that is the basis for this CSO LTCP.

The Sampling Plan described the approach that was taken to characterize the receiving water quality of the Rondout Creek where the City's CSOs discharge. The intent of the receiving water sampling effort was to characterize the water quality during both dry and wet weather events, to assess the background pollution levels, to assess if the Rondout Creek meets WQS and to assess impacts of implementing the City's LTCP.

1.2 Water Quality Standards

The State of New York has promulgated standards for water quality in Part 703 based on the designated class of the receiving water. The tidal portion of the Rondout Creek at Kingston is designated a Class C receiving water body. Six of the seven sampling locations are located in this section of the Rondout. The Rondout changes to a Class B receiving water body upstream of the Eddyville Dam.

Applicable NYS DEC standards that were considered for this study include:

• The fecal coliform standard for both Class B and C designations states that the geometric mean (geomean) of no less than five examinations (samples) shall





be less than 200 colony-forming units per 100 milliliter (CFU/100 mL). The standard does not differentiate between wet and dry-weather sampling. There is no specific single sample maximum criterion applicable to these receiving waters. This Report will compare geomeans to these criteria as is appropriate, but will also indicate the relative difference between individual samples and these geomean criteria as a point of reference for several sets of data.

- The applicable standard for both total suspended solids (TSS) and settleable solids states that "None from sewage, industrial wastes, or other wastes that will cause deposition or impair the water for their best usages."
- The applicable dissolved oxygen (DO) standard "For non-trout waters, the minimum daily average shall not be less than 5.0 mg/L, and at no time shall the DO concentration be less than 4.0 milligram per liter (mg/L)."
- In non-trout waters the water temperature at the surface of a stream shall not be raised to more than 90 degrees Fahrenheit at any point.

1.3 Methodology and Scope

This Report briefly describes the locations, equipment, methodologies, and data management protocols that were used by the City's Sampling Team to gather water quality data for the post construction water quality sampling and summarizes the results of that data collection effort.

Water quality data was collected during dry and wet weather to examine the potential effects of CSOs. Together with the CSO flow monitoring data, project-modeling tools, and historical data, the water quality sampling results will assist the City with assessing the impacts of CSOs, and access the post construction conditions relative to the water quality standards.

A minimum of five (5) sampling events were scheduled to be conducted per month at the seven (7) sampling locations described in Section 2.1. The dry-weather sampling events were conducted weekly no earlier than 48-72 hours after a rainfall event. During excessively wet months, the Sampling Plan stipulated that three of the dry-weather events could be taken at the earliest 24 hours after rainfall events. The monthly wet-weather sampling events were initiated within four to eight hours of the start of a precipitation event that resulted in an overflow.





2. Receiving Water Quality Sampling Program

2.1 Water Quality Sampling Locations

Discrete grab samples of receiving water were collected for laboratory analyses at seven sample locations on Rondout Creek, which are listed in Table 2-1 and shown on Figure 2-1. The intent of Figure 2 is to present the general locations for this document.

Sampling Location Identification Number	Sample Collection Location			
#1	Middle of Rondout Creek approximately 250 yards upstream of the Wilbur Avenue Outfall			
#2	Middle of Rondout Creek upstream of Block Park			
#3	Middle of Rondout Creek approximately 150 yards upstream of bridge			
#4	Middle of Rondout Creek approximately 200 yards downstream of bridge			
#5	Middle of Rondout Creek upstream of Kingston Point Park			
#6	Middle of Rondout Creek underneath the John T. Loughran Bridge			
#7	Upstream of the Eddyville Dam at the NYS DEC boat launch			

Table 2-1 Receiving Water Body Sample Locations





2.2 Sampling Equipment

The water quality sampling program used the following equipment:

- Receiving water body samples were collected from a boat in the middle of Rondout Creek by a team of 2 to 3 field personnel with sampling bottles provided by the laboratories.
- A Hach HQ40d meter with a LDO probe was used to collect field parameters during sample collection at all sampling locations, and was calibrated between each sampling event.
- A GPS locator was used by each team to ensure consistent sampling locations for dry- and wet-weather events.
- Sampling Event Summary Sheets were filled out for each sampling team to record details of sample collection activities.
- Nitrile surgical gloves (disposable) were worn by sampling personnel at all times during sampling events.

2.3 Surface Water Sampling Procedures

Surface water samples were collected using the direct grab sampling technique. Samples were collected at each location in the following order using the detailed procedures outlined the Sampling Plan:

- 1. Fecal coliform
- 2. TSS, settable solids, and floatables
- 3. In-situ field measurements (dissolved oxygen and temperature)

Fecal coliform samples were delivered to Smith Environmental Laboratory, Inc. in Hyde Park, New York within approximately five hours of sample collection to meet the six hour holding time for these analyses.

2.4 CSO Flow Monitoring

The City, in response to comments raised by the NYS DEC in their approval letter for the City's LTCP, installed flow meters to monitor flow at the four CSO locations in order to verify when discharges occurred and to initiate wet-weather sampling events. The City retained ARCADIS to subcontract with McIntosh Controls Corporation for the installation of four SMARTCOVER®-S Units for the four CSO regulators at Wilbur, Hunter, Broadway, and Hasbrouck. The SMARTCOVER®-S Units consist of an



electronics unit, ultrasonic meter, communications antenna, and power pack. These units were installed at all four of the CSOs by July 1, 2014.



3. Sampling Results

3.1 Sampling Overview

Four dry-weather sampling events were performed per month (May through September) as well as four wet-weather sampling events (May through October). A dry-weather sampling event was defined as an event that was preceded by 48 to 72-hours of dry weather. A wet-weather sampling event was defined as an event that was preceded by 72 hours of dry-weather and resulted in more than 0.25 inches of rain. The dry- and wet-weather sampling events along with their measured precipitation are shown in Table 3-1.

Sampling Event No.	Date Time	Direction of Flow	Sampling Condition	Rainfall Amount (in)
1	5/7/14 10:30	Out	Dry	
2	5/12/14 10:55	In	Dry	
3	5/16/14 10:05	Out	Wet	1.4
4	5/20/14 10:40	Out	Dry	
5	5/27/14 11:40	Out	Dry	
6	6/3/14 9:25	Out	Dry	
7	6/16/14 10:55	Out	Dry	
8	6/20/14 14:10	Out	Dry	
9	6/23/14 10:30	In	Dry	
10	7/2/14 18:15	Out	Wet	1.1
11	7/7/14 1:45	Out	Dry	
12	7/18/14 11:10	Out	Dry	
13	7/23/14 10:05	In	Dry	
14	7/27/14 13:15	In	Wet	0.27
15	7/31/14 10:50	Out	Dry	
16	8/5/14 10:05	Out	Dry	
17	8/12/14 9:35	Out	Dry	
18	8/18/14 11:00	Out	Dry	
19	8/26/14 11:15	In	Dry	
20	9/5/14 0:05	Out	Dry	
21	9/9/14 11:40	In	Dry	
22	9/19/14 10:20	In	Dry	
23	9/24/14 13:00	In	Dry	
24	10/8/14 9:45	Out	Wet	0.48

 Table 3-1
 Summary of Sampling Events



The four wet-weather events provided a range of wet-weather conditions to observe changes in bacteria concentration during an event. The first wet-weather sampling event occurred on May 16 where rainfall was measured to be 1.4 inches at the City of Kingston Wastewater Treatment Plant (WWTP). This event occurred before flow meters were installed and tested, so no data for the volume of CSO flow was recorded. Per the protocol written in the Sampling Plan, City employees were to inspect Hasbrouck to ensure it was overflowing prior to initiating a wet-weather event, which inspection confirmed it was overflowing prior to the wet-weather sampling event on May 16.

The second wet-weather sampling event occurred on July 2 and had a total measured rainfall of 1.1 inches. During this event, all four of the CSOs overflowed as shown in Table 3-2. However, the Wilbur CSO flow monitor was being installed and had not been adequately tested. That monitor was providing erroneous flow measurements during this event. No overflow volume is being reported for Wilbur CSO for July 2, 2014.

The third wet-weather sampling event occurred on July 27 where rainfall was measured to be 0.27 inches. This event caused two of the CSOs to overflow for a total overflow volume of 0.14 million gallons of combined sewage.

The final wet-weather sampling event was on October 8 with a measured rainfall of 0.48 inches, which caused all four of the CSOs to overflow for a combined volume of 1.36 million gallons.

	5/16/2014	7/2/2014	7/27/2014	10/8/2014
	Flow			
Hasbrouck	observed*	2.16	0.126	1.07
Broadway	NA*	0.19	0.011	0.08
Hunter	NA*	0.65	0	0.11
Wilbur	NA*	N/A*	0	0.095
Total		3.00	0.14	1.36

 Table 3-2
 Wet Weather Event

 Combined Sewer Overflow Volume (Million Gallons)

* Denotes no volumetric flow data available for this location

3.2 Bacteria

In order to compare the seven sampling locations to the WQS, geomeans of the fecal coliform counts were calculated for each month during the sampling period for each



site. The geomeans were calculated by first averaging in the duplicate samples then taking the geomean of the averaged values. These geomean values show that none of the sampling locations exceeded the WQS during the five months and the values are presented in Table 3-3. It should be noted that the months of August and September were unusually dry months. The sampling plan required four dry-weather events per month and one wet-weather event. Because of the atypical weather, only four sampling events were performed during the month of August, all of which were dry-weather. For the month of September, there were four dry-weather events and one wet-weather sampling event that occurred in October.

Figures 3-1 through 3-5 show the fecal coliform values for the sampling period, with each plot corresponding to a month of sampling. The sample locations are listed from upstream on the left to downstream on the right in each of the five plots.

Figure 3-6 shows the geomeans for each month of the sampling period. It can be seen from Figure 3-6 that the month of June had elevated fecal coliform concentrations for site numbers 1, 6, 4, and 5. This can be attributed in part to the wet-weather event that occurred on July 2, which activated all four of the CSO's that were monitored. Even with all four of the CSOs activated during this wet-weather event, the geomeans did not exceed the WQS of 200 CFU/100mL. It should be noted that for this sampling event, site 7, which is not impacted by any of the City's CSOs exhibited a fecal concentration of 450 CFU/100mL, and therefore other upstream probable nonpoint sources could be causing a higher baseline. During this same event, sites 4 and 6, which are downstream of the Hasbrouck and Broadway CSOs respectively, saw the highest fecal concentrations. The elevated fecal concentrations can be attributed to the overflows at these locations prior to the time that the sampling event was initiated.

The only other wet-weather sampling event that saw fecal concentrations double that of the baseline of the dry-weather results was the October 8 event. For this event, the concentrations at sites 4 and 5 were 860 and 640 CFU/100mL, respectively. This could be the result of the overflow of the Hasbrouck CSO; however, this did not adversely impact the geomean.



Sampling Location ID	1	2	3	4	5	6	7
5/7/2014	9	60	10	40	35	30	60
5/12/2014	20	9	20	50	20	10	9
5/16/2014	50	85	40	10	30	20	80
5/20/2014	160	190	80	110	90	50	190
5/27/2014	30	20	40	75	180	30	40
Geomean - May	33.7	44.5	30.3	44	50.9	24.6	50.5
6/3/2014	60	10	32.5	20	30	10	10
6/16/2014	270	340	250	320	260	310	300
6/20/2014	35	50	50	60	80	20	10
6/23/2014	80	10	10	10	50	50	10
7/2/2014	270	70	47.5	6750	470	1500	450
Geomean - June	104	41.2	45.4	121	108	85.8	42.3
7/7/2014	150	100	30	105	40	110	60
7/18/2014	10	20	30	50	70	60	9
7/23/2014	80	30	40	30	70	45	9
7/27/2014	60	380	140	30	9	30	9
7/31/2014	30	9	20	10	10	40	20
Geomean - July	46.4	46	39.9	34.3	28.1	51.3	15.4
8/5/2014	10	25	10	30	50	50	10
8/12/2014	60	10	40	80	30	30	9
8/18/2014	20	10	10	15	9	30	9
8/26/2014	30	40	20	10	65	70	9
Geomean - August	24.5	17.8	16.8	24.5	30.6	42.1	9.24
9/5/2014	30	9	50	10	80	30	9
9/9/2014	70	20	30	40	40	10	9
9/19/2014	9.5	20	350	10	40	20	9
9/24/2014	10	9.5	40	30	10	20	9
10/8/2014	100	190	80	860	640	200	10
Geomean - September	28.8	23	70	40.1	60.6	29.9	9.19

Table 3-3 Fecal Coliform Concentrations (CFU/100mL)



Figure 3-1 May Fecal Concentrations





Figure 3-2 June Fecal Concentrations





Figure 3-3 July Fecal Concentrations





Figure 3-4 August Fecal Concentrations









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3.3 Solids

Settleable solids and TSS were sampled for both dry- and wet-weather sampling events. Due to an lab error during preparation for the first sampling event on May 7th, the sampling team was not provided with enough sampling bottles for solids sampling, and therefore only four of the seven locations were sampled for solids during this event. The sites that were not sampled were Sites 1, 3, and 4. Despite not having data for this sampling event, the five months of data that were collected indicate that these samples would not significantly impact arithmetic means.

The monthly arithmetic mean for settleable solids for each site was calculated to be 0.1 mg/L as shown in Table 3-4, with the exception of Site 7 during September, which had an average of 0.17 milliliter per liter (mL/L). At these concentrations, settleable solids do not cause deposition or impair the waters from their intended use.

	Мау	June	July	August	September
Site 1	0.09	0.09	0.09	0.09	0.09
Site 2	0.09	0.09	0.09	0.09	0.09
Site 3	0.09	0.09	0.09	0.09	0.09
Site 4	0.09	0.09	0.09	0.09	0.09
Site 5	0.09	0.09	0.09	0.09	0.09
Site 6	0.09	0.09	0.09	0.09	0.09
Site 7	0.09	0.09	0.09	0.09	0.17

Table 3-4 Settleable Solids Monthly Arithmetic Mean Concentrations (mL/L)

TSS results shown in Table 3-5 similarly show that suspended solids do not cause deposition or impair the waters for their intended use. Figure 3-7 shows the arithmetic mean for TSS for each site during the five-month sampling period.

Table 3-5 Total Suspe	nded Solids Monthly Arithmetic Mean	Concentrations (mg/L)
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-	Мау	June	July	August	September
Site 1	4.4	6.4	2.3	3.3	3.0
Site 2	5.3	5.4	3.4	2.6	3.4
Site 3	3.0	4.8	3.4	3.2	4.6
Site 4	9.2	6.0	4.6	3.8	5.3
Site 5	7.6	6.0	4.2	6.0	8.0
Site 6	3.8	4.2	3.3	4.3	2.8
Site 7	4.4	5.3	1.9	1.8	2.8

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4. Field Measurements

4.1 Overview

Field measurements of general water quality variables were made during sample collection for all locations. The water temperature and DO were measured with a field probe at the time that each bacteria sample was collected.

4.2 Results

Temperature measurements at the sites were consistent with the season of the sample, with colder temperatures early on and then later in the season. The temperature data is presented in Table 4-1.

Sampling Location ID	1	2	3	4	5	6	7
5/7/2014	15.4	14 7	14 4	14.3	14 1	14.2	19.5
5/12/2014	18.4	17.5	17.1	17.0	16.9	17.0	16.3
5/16/2014	19.2	19.1	19.1	19.0	19.1	19.0	19.3
5/20/2014	17.7	17.2	16.9	16.8	16.9	16.5	18.1
5/27/2014	21.4	21.9	21.0	20.8	21.1	20.8	21.0
6/3/2014	22.3	21.1	21.7	21.2	21.4	21.4	22.5
6/16/2014	22.4	20.8	20.6	21.3	21.8	21.0	22.4
6/20/2014	25.8	25.2	25.2	24.3	24.2	24.6	25.1
6/23/2014	25.1	24.6	24.0	23.8	23.7	24.5	25.1
7/2/2014	26.9	26.6	26.6	26.5	26.6	26.5	26.7
7/7/2014	25.9	24.8	24.8	24.6	25.7	24.9	25.1
7/18/2014	26.5	25.7	25.5	25.0	24.8	25.1	25.5
7/23/2014	27.1	26.2	26.2	26.4	26.9	26.5	26.4
7/27/2014	28.6	27.7	27.4	26.4	27.3	26.5	26.8
7/31/2014	25.5	25.0	25.3	25.5	25.6	25.6	25.3
8/5/2014	26.2	25.5	25.5	26.1	25.7	26.3	25.7
8/12/2014	25.2	24.9	25.1	25.2	25.1	25.2	24.7
8/18/2014	24.3	23.4	23.7	23.6	23.5	23.7	23.0
8/26/2014	25.7	24.9	24.6	25.4	25.1	26.2	24.9
9/5/2014	26.7	26.7	26.6	26.2	26.3	25.8	26.9
9/9/2014	26.2	24.0	24.4	24.2	24.2	24.1	24.2
9/19/2014	20.7	19.6	19.8	20.0	20.2	19.8	19.6
9/24/2014	21.3	20.7	20.3	20.4	21.1	20.4	20.8
10/8/2014	18.6	18.2	18.3	18.6	18.5	18.4	19.3

Table 4-1	Water Temperature (°C)
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DO measurements for all of the sites are listed in Table 4-2. The samples all showed DO readings meeting the WQS.

Sampling Location ID	1	2	3	4	5	6	7
5/7/2014	10.1	10.3	10.4	10.4	10.5	10.4	9.8
5/12/2014	9.4	9.6	9.7	9.8	9.6	9.7	9.9
5/16/2014	8.9	9.0	9.0	9.1	8.9	9.1	8.5
5/20/2014	9.4	9.4	9.5	9.6	9.6	9.8	8.8
5/27/2014	8.9	8.8	8.9	9.2	8.3	9.1	8.5
6/3/2014	8.6	8.7	8.7	8.6	8.7	8.8	8.0
6/16/2014	8.3	8.5	8.5	8.3	8.4	8.4	7.4
6/20/2014	8.7	8.7	8.8	8.8	8.8	8.8	8.0
6/23/2014	8.4	24.6	9.4	8.6	8.3	8.9	8.4
7/2/2014	7.5	7.7	8.3	8.5	9.1	8.4	6.0
7/7/2014	8.1	7.9	7.7	8.0	7.7	8.0	6.5
7/18/2014	7.1	7.2	7.3	7.2	7.4	7.3	6.1
7/23/2014	6.9	7.7	7.9	8.1	6.8	7.9	6.0
7/27/2014	6.8	7.2	7.4	7.4	6.8	7.7	6.1
7/31/2014	7.0	7.4	7.4	7.5	7.6	7.5	4.8
8/5/2014	9.1	9.6	9.6	8.9	7.9	9.3	7.4
8/12/2014	9.1	9.5	9.7	10.1	8.9	10.1	6.2
8/18/2014	8.1	7.8	7.8	7.8	7.1	7.9	7.1
8/26/2014	7.7	8.9	8.0	7.7	7.6	6.7	7.3
9/5/2014	12.5	12.1	11.1	10.8	9.7	10.4	9.3
9/9/2014	8.7	9.2	8.6	7.7	7.7	8.1	6.6
9/19/2014	8.1	8.7	8.9	8.7	8.5	8.8	6.8
9/24/2014	9.7	10.1	9.4	8.6	8.6	8.8	7.6
10/8/2014	7.9	8.0	8.1	8.3	8.3	8.4	6.1

Table 4-2 Dissolved Oxygen Concentrations (mg/mL)



5. Quality Assurance / Quality Control

5.1 Overview

The Quality Assurance and Quality Control (QA/QC) protocols for this sampling program were defined in the Sampling Plan. Field QA included requirements for record keeping and chain of custody. In addition, training was conducted with the field crews prior to the sampling season.

Lab QA/QC performance was stipulated to meet certification standards as acceptable to NYS DEC. In addition to the internal lab QA/QC, each field team collected duplicate samples at one of their sampling sites for each event.

5.2 Field Sampling QA/QC

The field crews provided standardized notations on field sheets for each station for all events that correspond to chain of custody attached to samples submitted to the laboratory for bacterial or chemical analysis. A complete chain of custody is available for all lab samples and the original field sheets each field measurement was recorded on were submitted to the project team.

Quality control review of the field data consisted of examination of the values recorded and the documentation provided on the field sheets.

5.3 Laboratory QA/QC

Smith Environmental Laboratory provided internal chain of custody documentation for all samples and additional documentation showing that they met their internal QA/QC checks for all of the data provided. For the bacteria samples, the range of dilutions was selected to provide quantification down to 10 CFU/100mL.

Analysis of the duplicate samples shows strong correlation for fecal coliform concentrations. The relationship of the bacteria samples to their duplicates is shown in Figure 5-1. Some deviation between originals and duplicate samples is anticipated due to the variability of bacteria in water samples and the errors inherent in dilution based analysis. Despite these known challenges, the differences between measured values and their duplicates were within a range that is clearly acceptable for this type of test.





6. Summary and Conclusions

6.1 Sampling Program Goals and Objectives

Sampling was completed for a total of twenty (20) dry-weather events and four (4) wetweather events over a five (5) month period of time spanning May through the beginning of October. Sampling was conducted at seven sampling locations on the Rondout Creek, with one sampling location located upstream of the Eddyville Dam. Dry-weather samples were collected to develop an understanding of the specific ambient or background water quality parameters measured. Wet-weather samples were collected to ascertain the water quality impact of the wet-weather events on the Rondout Creek.

Samples were collected for fecal coliform, settleable solids, and TSS analyses in order to assess the data relative to the existing NYS DEC Class B and Class C fecal coliform standard defined in Part 703.4. Field measurements of general water quality variables were also reported for temperature and DO in order to assess the data relative to the existing NYS DEC standards also defined in Part 703.

6.2 Observed Sampling Conditions

Sampling was successfully completed for four wet-weather events of varying magnitude at the seven locations described in Section 3. Sampling results for fecal coliform, settleable solids, and TSS were presented in Section 3 for both dry- and wet-weather events. The results for the field-measured parameters (temperature and DO) were presented in Section 4.

Geomean values for fecal coliform were used to determine the compliance of each sample location. Out of the five months of data, none of the monthly geomeans exceeded the fecal coliform WQS.

The settleable solids, TSS, and DO arithmetic mean values are all in compliance, with all of the individual sampling results also in compliance with WQS.

6.3 Conclusions

The results of this investigation indicate that based on the five monthly geomeans, the seven sampling sites meet the NYS DEC Standard for fecal coliform. Based on the data provided and discussed herein, it can be concluded that the Rondout Creek does



not exceed WQS promulgated by NYS DEC, defined in Part 703.4 under a range of weather conditions as measured during this study.

Appendix A

City of Kingston Combined Sewer Overflow Long Term Control Plan

Receiving Water Quality Sampling Plan For Post Construction Monitoring



Imagine the result



Receiving Water Quality Sampling Plan For Post Construction Monitoring

City of Kingston Combined Sewer Overflow Long Term Control Plan

May 2014



Receiving Water Quality Sampling Plan For Post Construction Monitoring

City of Kingston Combined Sewer Overflow Long Term Control Plan

> Prepared for: City of Kingston

Prepared by: Malcolm Pirnie, Inc. 855 Route 146 Suite 210 Clifton Park New York 12065 Tel 518 250 7300 Fax 518 250 7301

Our Ref.: 05744023.0000

Date: May 2014

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Sewer System Characterization, Modeling and Monitoring Plan

В



Acronyms

Acronyms and Abbreviations

CSO	Combined Sewer Overflow
DO	Dissolved Oxygen
LTCP	Long-Term Control Plan
NYS DEC	New York State Department of Environmental Conservation
QA/QC	Quality Assurance / Quality Control
SPDES	State Pollution Discharge Elimination System
WWTF	Wastewater Treatment Facility
WQS	Water Quality Standard



City of Kingston Combined Sewer Overflow Long Term Control Plan

1. Introduction

1.1 Project Background

The City of Kingston (City) has four combined sewer overflows (CSOs) that discharge to Rondout Creek (Figure 1). CSOs are point sources subject to National Pollutant Discharge Elimination System (NPDES) permit requirements including both technology-based and water quality based requirements of the Clean Water Act.

Post Construction Monitoring as described in this section is the method used to assess whether the steps taken to control discharges from the Combined Sewer System comply with the USEPA CSO Policy and, further, whether in complying with the Policy the Rondout Creek meets or is not precluded from meeting Water Quality Standards. This Post Construction Monitoring plan utilizes and updates the Monitoring and Modeling Plan (Appendix A) approved by NYS DEC in 2007 and used by the City of Kingston to collect the sampling data that is the basis for this CSO LTCP.

1.2 Intent

This Post Construction Receiving Water Quality Sampling Plan (Plan) describes the approach that will be taken to characterize the receiving water quality of the Rondout Creek where the City's CSOs discharge. The intent of the receiving water sampling effort will be to characterize the water quality during both dry and wet weather events, to assess the background pollution levels, to assess if Rondout Creek meets Water Quality Standards (WQS) and to assess impacts of implementing the City's Long Term Pollution Control Plan (LTCP).

The discussion in this Plan includes:

- · The water quality sampling equipment that will be used.
- · The frequency and duration of water quality sampling.
- · The determination for which storm events should be sampled.
- · The water quality parameters to be analyzed.

1.3 Methodology and Scope

This Plan describes the locations, equipment, methodologies, and data management protocols that will be used by the City to gather water quality data for the receiving





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waters and outlines responsibilities and procedures to be followed, as well as the timeframe for events.

A minimum of five (5) sampling events will be conducted per month at the original five (5) sampling points located upstream and downstream from the four CSO discharge sites, at the discharge of the WWTF. Two additional samples have been added to this sampling plan to address comments from the NYS DEC. One above of the Eddyville Dam, samples will be collected approximately 3.4 nautical miles upstream of the WWTF on Rondout Creek at the NYS DEC boat launch. The other sampling location is underneath the John T. Loughran Bridge (State Route 9W) in between the Broadway and Hasbrouck Avenue outfalls. Thus, a total of 7 discrete grab samples plus one duplicate will be collected per sampling event. The sampling events will be conducted weekly, with one wet-weather sampling event per month to be conducted within four to eight hours of a precipitation event commencing that would most likely result in an overflow. The four other monthly sampling events will be taken once a week during dry weather no earlier than 48-72 hours after rainfall events. During excessively wet months, the remaining three dry-weather events can be taken at the earliest 24 hours after rainfall events. Any limited set of samples will not necessarily be representative of average conditions so in order to provide more realistic comparison to the existing 30day geometric mean (geomean) based water guality standards for fecal coliform concentration in the receiving stream, the City reserves the right to increase the sampling frequency and/or develop a simplified one-dimensional water quality model to approximate a geomean from 30 daily samples.

Grab samples collected will be collected at the water surface and will be analyzed for:

- Total suspended solids;
- Settleable solids; and
- Fecal coliform.

In addition to grab samples, field measurements and observations will be conducted at each sampling location. This will include:

- Dissolved oxygen (DO); and
- Floatables.



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Sampling events will begin no earlier than May 1 and will conclude no later than October 31, and will include a minimum of three consecutive months of sampling events. Prior to any wet-weather events, permanent flow meters are to be installed at the four CSOs. The sampling locations in the Rondout Creek are shown on Figure 1 and are to be consistent with the locations used in 2007. The Senior Plant Operator for the Kingston Wastewater Treatment Facility will act as the City's Sampling Coordinator and will be the one coordinating and initiating sampling events.



City of Kingston Combined Sewer Overflow Long Term Control Plan

2. Receiving Water Quality Sampling Program

2.1 Water Quality Sampling Locations

Discrete samples of receiving water will be collected for laboratory analyses at 7 sample locations on Rondout Creek and the wastewater treatment plant discharge. The dry- and wet-weather water quality sampling locations are listed in Table 2-1 and shown on Figure 2. The figure is intended to present the general locations for this document. Final sampling locations will be identified and photographed with a detailed site description, along with the GPS-obtained coordinates prior to the first sampling event.

Sampling Location Identification Number	Sample Collection Location
#1	Middle of Rondout Creek approximately 250
	yards upstream of the Wilbur Avenue Outfall
#2	Middle of Rondout Creek upstream of Block Park
#3	Middle of Rondout Creek approximately 150 yards upstream of bridge
#4	Middle of Rondout Creek approximately 200 yards downstream of bridge
#5	Middle of Rondout Creek upstream of Kingston Point Park
#6	Middle of Rondout Creek underneath the John T. Loughran Bridge
#7	Upstream of the Eddyville Dam at the NYS DEC boat launch

Table 2.1 Receiving Water Body Sample Locations



Water Division of ARCADIS



City of Kingston Combined Sewer Overflow Long Term Control Plan

2.2 Sampling Equipment Specifications

The water quality sampling program will use the following equipment:

- All receiving water body samples will be collected from a boat in the middle of Rondout Creek by a team of 2 to 3 field personnel with sampling bottles provided by the laboratories except for the samples collected upstream of the Eddyville Dam. This sample will be collected either by means of a canoe or other small boat or by wading in and collecting the sample.
- A Hach HQ40d meter with a LDO probe will be used to collect field parameters during sample collection at all sampling locations, and should be calibrated between each sampling event.
- A GPS locator will be used by each team to ensure consistent sampling locations for dry- and wet-weather events.
- Sampling Event Summary Sheets (see Attachment 1 in Appendix B) and pens will be required for each sampling team to record details of sample collection activities.
- Nitrile surgical gloves (disposable) will be worn by sampling personnel at all times during sampling.

2.3 Surface Water Sampling Procedures

Surface water samples will be collected using the direct grab sampling technique outlined below. New, sterile, nitrile powder-free surgical gloves will be worn by sampling personnel at all times during sampling. Sampling gloves will be changed between sampling locations. Samples will be collected in the following order using the procedures outlined below:

- 1. Fecal coliform
- 2. Total suspended solids, settable solids, and floatables
- 3. Dissolved Oxygen



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Direct Grab Sampling Procedure:

- Face upstream and into the flow (if tide or surface currents exists face into the current).
- Orient the capped sample container with the opening toward the flow and in front of the sampler.
- Lower the capped sample container to a depth of approximately 6 to 10 inches below the water surface.
- Uncap the container underwater. Avoid touching the inside of the sample bottle and cap.
- Remove the capped sample container from the water, label in accordance with Section 2.7, and place in a cooler with ice.
- Note sample time in the Sampling Event Summary Sheet (Attachment 1).
- Complete the chain-of-custody form for that sample completely (see section 2.7)
- Repeat the sampling process with any remaining containers.

When laboratory sample collection is complete, lower the Hach HQ40d DO meter to the sampling depth and allow meter readings to stabilize. Once the meter has stabilized, record field parameter measurements on the Sampling Event Summary Sheet. Both the direct grab samples and the DO readings can be done simultaneously should sufficient personnel be available.

If the exterior of a sample bottle becomes grossly contaminated during sample collection due to highly turbid surface water, the exterior of the bottles will be rinsed with deionized water before placing the sample container in the cooler.

Fecal coliform must be delivered to the laboratory within five hours of sample collection to meet the six-hour holding time for these analyses and allow time for the Laboratory to filter samples.

2.4 Sample Collection Methodology

The sampling methodology is similar for all the sampling locations including the list of parameters for which samples will be analyzed. The sections below detail sampling frequencies, durations, and methodologies for both dry- and wet-weather sampling. The City's Sampling Coordinator will coordinate necessary containers for each sampling event, with labels and with preservatives. The WWTF will be used for required preservation and packaging of samples after the sampling events.



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2.4.1 Dry-Weather Receiving Water Sampling

The goal of the dry-weather sampling is to collect samples four times per month over a minimum three-month period for a minimum of 12 dry-weather events. The sampling period will begin in no earlier than May 2014 and last through October 2014. For each dry-weather event, one analytical grab sample will be collected at each sampling position for a total of 7 samples per sampling event.

2.4.1.1 Dry-Weather Laboratory Analysis Sample Collection

Dry-weather sampling will be conducted in the morning, during business hours (7:00 A.M. –12:00 P.M.). All dry-weather samples will be collected as discrete samples by grab sampling. The grab sample will be poured or directly collected into the appropriate laboratory bottles in the field, ensuring each bottle is filled to provide enough sample volume for analysis of the required parameters. Laboratory analyses for the samples will be performed for fecal coliform. Immediately upon collection, all the samples will be sealed, labeled and packed in coolers with ice, ready for transport to the laboratory. This includes completing the chain-of-custody as soon as the sample has been collected. These samples will be taken to the WWTF at the completion of the sampling event for transport with the other samples collected. The City's Sampling Coordinator will arrange transportation of samples with the laboratories.

2.4.1.2 Dry-Weather Field Measurements

All sampling locations will be verified using a hand-held GPS unit. Dissolved oxygen will be measured at each sampling position using a handheld Hach HQ40d with a LDO probe (the DO probe must be calibrated before each sampling event). The dissolved oxygen measured at each sample location will be logged on field data sheets so that the project team is aware of the ambient conditions under which the water quality samples were collected.

2.4.2 Wet-Weather Receiving Water Sampling

The wet-weather sampling will be performed for up to three storm events during the same period as the dry-weather sampling. The goal is to collect samples during storms that will likely initiate overflows. The wet-weather sampling events shall commence four to eight hours after the storm begins allowing for runoff to flow the system and initiate an overflow. A minimum of 24 discrete grab samples (7 samples



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plus one duplicate per sampling event x minimum of 3 sampling events) will be taken during the receiving water wet-weather monitoring period.

2.4.2.1 Wet-Weather Laboratory Analysis Sample Collection

All wet-weather samples will be collected as discrete samples by grab sampling. The grab sample will be poured or collected directly into the appropriate laboratory bottles in the field, ensuring each bottle is filled to provide enough sample for analysis of the required parameters. Laboratory analyses for the samples will be performed for fecal coliform. Immediately upon sample collection at each location, the samples will be sealed, labeled, packed in coolers with ice, and the chain-of-custody completed. . The City will coordinate transportation of samples with the laboratories.

Laboratory personnel will initiate bacteriological testing of the samples collected within six hours of the samples being collected, due to the six-hour test holding time for fecal coliform.

2.4.2.2 Wet-Weather Field Measurements

All sampling locations will be verified using a hand-held GPS unit. Dissolved oxygen will be measured at each sampling position using a handheld Hach HQ40d with a LDO probe (the DO probe must be calibrated before each sampling event). The dissolved oxygen measured at each sample location will be logged on field data sheets so that the project team is aware of the ambient conditions under which the water quality samples were collected.



City of Kingston Combined Sewer Overflow Long Term Control Plan

2.5 Field Documentation During Sampling

Sampling Event Summary Sheets (see Attachment 1) will be completed during each sampling event by each sampling team. These will include entry spaces for:

- · Time of sampling;
- Date of sampling;
- Initials of Recorder;
- Weather Conditions;
- Storm discharge flow / hydraulic conditions (standing water / moving flow, etc.);
- · Dissolved Oxygen, and
- Physical Observations:

-

- Presence of grease;
- Presence and type of floatables;
- Presence of atypical smells; and
- Color.

Any other comments regarding additional observations deemed relevant should be recorded. The log will be completed by the sampler and given to the sampling leader upon completion of the sampling event.

2.6 Sample Labeling

Each container for grab sampling of the receiving water will be labeled on its cover with the name of the sample location.

2.7 Sample Shipping and Chain-of-Custody

This guideline presents a method for chain-of-custody procedures to track sample shipments (if required), to minimize loss or misidentification of samples, and to ensure that unauthorized persons do not tamper with collected samples. If sampling coolers are not shipped sampling crew should maintain custody or keep samples secured at all times prior to delivery to the laboratory.

 Fill out the Chain-of-Custody form completely (see Attachment 2) with all relevant information (the white original goes with the samples and should be placed in a "Ziploc" plastic bag and taped inside the sample cooler lid; the yellow copy should be retained by the sampler).



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- 2. Mark liquid volume levels on sample bottles with grease pencil.
- 3. Tape drain shut and wrap cooler completely with strapping tape to secure lid.
- 4. Place lab address on top of cooler. To protect the shipping coolers against tampering during shipment, the cooler lid will be taped to the cooler body. A chain-of-custody seal will be placed over the tape. A broken seal will indicate that the contents may have been tampered with.

2.8 Submission of Samples to Laboratory

The laboratory to be used for water quality analysis will be the City of Kingston's Water Department Lab. The following key points regarding sample submission will be addressed by all parties:

- All samples will be submitted to the laboratories in laboratory provided bottles.
 For discrete samples collected at all sampling locations, the Chain-of-Custodies will be completed immediately upon collection of the samples by the field team.
- All coliform samples must arrive at the laboratory for analysis within 5 hours of the sample collection time, with regard to the 6 hour holding time. All other samples must be submitted for analysis within 12 hours of collection.
- All samples must be packed in coolers with ice after collection.
- The City Sampling Coordinator is responsible for coordinating pick-up or delivery of all samples with the laboratory. The field team is responsible for transporting all samples to the WWTF, and submitting all samples in appropriate containers with appropriate labeling and Chains-of-Custody to the City's Sampling Coordinator immediately after the event.
- The City is responsible for system-wide record keeping and for directing the laboratories in sample analysis.

Section 2.8 contains the Standard Procedure for Sample Shipping that will be followed by the City, and Attachment 2 presents an example Chain-of-Custody form.

2.9 Equipment Calibration and Maintenance Protocols

All equipment will be programmed to the clocks of cellular telephones of the field personnel. As part of the pre-sampling staging before each dry- or wet-weather sampling event, the handheld Hach HQ40d meter with a LDO probe shall be calibrated following manufacturer's recommendations for the DO probe. This will provide for



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more accurate results, and is recommended by the manufacturer as standard operating procedure.



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3. Determination of When to Sample

Each week teleconferences will be conducted between the City and ARCADIS. The purpose of these weekly teleconferences is to allow the Sampling Coordinator opportunities to consult with ARCADIS on possible windows for positive dry- and wetweather sampling events for the week. Ultimately, the Sampling Coordinator will determine to sample or not to sample.

3.1 Dry-Weather Sampling

Dry-weather sampling will occur on the third consecutive dry day, four times per month, for three consecutive months during the period from May 2014 to October 2014. If a dry-weather sampling event is completed, and a rainfall event does not occur on the following day, another dry-weather sampling event can be completed as early as the next day if required. Dry-weather sampling events will generally occur during business hours, Monday through Friday. Weekend work may be required if the appropriate number of events were not able to be obtained during business hours. The initiation and termination of dry-weather sampling event will specify the time at which dry-weather sampling is to commence. The sampling event will commence at the time specified, provided that a rain event does not occur between notification to mobilize and the sampling event commencement.

3.2 Wet-Weather Sampling

A minimum of three wet-weather events will be sampled at all receiving water body locations identified in Table 2-1. The goal for the sampled storms will be to have a rainfall volume of at least 0.5 inches +/-50% (0.25 to 0.75 inches) and at least one CSO activate.

There must be a minimum of 72 hours of antecedent dry weather prior to a storm event for the event to be sampled. Sampling will be conducted within four to eight hours of a precipitation event commencing that would most likely result in an overflow.



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4. Laboratory Analysis

4.1 Designated Laboratory

The laboratory to which the samples will be submitted has been specified by the City as Smith Environmental Laboratory, Inc. in Hyde Park, NY.

4.2 Analytical Methods

Table 4-1 details the parameters that will be sampled for and the analytical methods. The selected lab should provide sufficient range of sample dilutions to accommodate for a potential range of fecal coliform counts from 10 to 1,000,000.

Table 4-1 Laboratory Analysis Detail

Parameter	Method	Holding Time
Fecal Coliform	Membrane Filtration – Standard Method 9222D	6 hours

Notes: Estimated/anticipated detection limits only - to be confirmed by discussion with selected laboratories.

4.3 Laboratory Quality Assurance / Quality Control (QA/QC)

Quality control sample analyses that will be performed during this project to document the acceptability of the data will include:

- Equipment Blanks
- Duplicate Samples
- Laboratory Blanks
- Equipment blanks (rinsate blanks) are defined as samples that are generated by rinsing representative sampling equipment with laboratory analyte-free water and then analyzing the rinsate in a similar fashion as regular samples.
 Equipment blanks are used to assess the cleanliness of equipment used for sampling and the adherence to equipment cleaning practices. Equipment blanks will be collected from sampling equipment immediately before initiation of each sampling event (dry or wet weather). Each sampling crew that mobilizes to perform sampling for a given event will collect equipment blanks from one sampling jar and from one grab sampling device. Each crew will use laboratory analyte-free water to prepare equipment blanks by rinsing one



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sampling jar, and one grab sampling device, individually with enough volume to take samples of each of the parameters of concern included in this project. Thus, each sampling crew will have two sets of equipment blank samples: one representative of a sampling jar and the other representative of a grab sampling device. All equipment blanks will be acquired from sampling equipment before sampling crews depart to perform sampling.

- Duplicates samples are defined as a second, or duplicate, set of samples that are obtained from the study matrix which are prepared and analyzed alongside regular samples. Duplicate samples are used to assess the precision of the entire sampling activity. Collecting duplicate samples translates to the collection and additional large grab sample from a given location. For the additional sampling event, the sampling event leader will designate one of the sampling crews to obtain an additional sample volume from their sampling location. The designated crew will collect a duplicate sample. For each wetweather sampling event, one duplicate sample will be collected for every 10 samples collected in the field by each field team during the event. The sampling teams must ensure they take extra sets of laboratory sample bottles into the field for collection of these duplicate samples during each event.
- Laboratory blanks are used to assess the accuracy of laboratory analytical procedures. Laboratory blanks will be prepared by contract laboratory personnel in accordance with established QA/QC procedures. Guidelines for laboratory blank preparation and analytical results reporting by contract laboratory will be determined based on correspondence and contract development between the sampling contractor and the contract laboratory. A copy of the contract should be submitted to Malcolm Pirnie the Water Division of ARCADIS (ARCADIS) for review prior to program initiation.

The QA/QC plan will be ascertained through the following actions:

- All sampling holding times shall be in full compliance with the requirements set forth in applicable EPA-approved methods published in "Standard Methods for the Examination of Water and Wastewater";
- Chains of custody reports shall be completed for all samples and field blanks;
- All analytical work, with the exception of the field measured parameters (Dissolved Oxygen and floatables) shall be performed by a contract laboratory having a New York State Environmental Laboratory Accreditation Program



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(ELAP) certification (in accordance with the National Environmental Laboratory Accreditation Conference (NELAC) Institute);and

• The contract laboratory shall provide a copy of its approved standard operating procedures and protocols for analytical work and QA/QC procedures for each parameter or parameter group in full compliance with applicable EPA-approved methods published in "Standard Methods for the Examination of Water and Wastewater".



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5. Field Team Quality Assurance Procedures

Several quality assurance procedures will be applied to the field team activities. These procedures are presented below.

- All sampling personnel shall be familiar with the goals and objectives of this sampling program, sampling locations, equipment, and protocol;
- All sampling holding times shall be in full compliance with the requirements set forth in applicable EPA-approved methods published in "Standard Methods for the Examination of Water and Wastewater";
- Chains of custody reports shall be completed for all samples and field blanks; and
- All equipment to be used for the field measurements shall be in good working order and properly calibrated as per manufacturer's recommendations.

5.1 Team Training

Team training provides an important quality assurance mechanism for this water quality sampling program. The first dry-weather sampling event will be organized prior to any wet-weather sampling, and will be used as a formal wet-weather sampling test run and workshop. This will ensure that field personnel are comfortable with the sampling procedures. The training will be conducted by ARCADIS, and supported by the City. All members of the sampling teams will participate in the workshop. Training topics will include:

- Health and Safety
- · Sampling Protocols
- Coordination

After the samples have been collected, the field team will return to the WWTF and samples will be prepared for the laboratory. This will test the arrangement of the staging area, chain of-custody protocols, and the laboratory delivery process.



Appendix A: Attachments



Attachment 1: Sampling Event Summary Sheets

Attachment 1 - Sampling Event Summary Sheet

Initials:	Date:	Page of
Sampling Team:		
Weather:	Temperature:	
Direction of Flow:		

Sampling Location	Time	Field Parameter	Physical Observations	Comments
		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
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		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
			Odors	
		DO	Grease	
		temperature	Floatables	
			Odors	



Attachment 2: Sample Chain-of-Custody Form

CHAIN OF CUSTODY RECORD

518-250-7300 fax: 518-250-7300 MALCOLM PIRNIE, INC. 855 ROUTE 146, SUITE 210 CLIFTON PARK, NEW YORK 12065 http://www.arcaid-us.com

CLIENT:								
PROJECT			SPECIAL INSTRUCTIONS:					
PROJECT	NUMBER:							
PROJECT	MANAGER:							
LABORAT								
LABORAT								
LAB ID	SAMPLE ID/ DESCRIPTION	DATE	TIME	MATRIX	GRAB/ COMPOSITE	No. of Cont.	ANALYSIS REQUIRED	NOTES / PRESERVATIVE
Matrix Identific S - SOIL SE- SED SO - SO	Cation: SL - SLUDGE SW - DW - DRINKING WATER L - L JIMENT GW - GROUND WATER A - / LID O - OIL WI -	- SURFACE W EACHATE AIR WIPE	/ATER	DS - DL - X - O WW -	DRUM SOLID DRUM LIQUIDS THER • WASTE WATER		LAB USE ONLY	
SAMPLED BY (SINGATURE): DATE/TIME				RECEIVED BY (SIGNATURE):				DATE/TIME:
RELINQUISHED BY (SIGNATURE):				REC	EIVED BY (SIGN	ATURE):		DATE/TIME:
RELINQUISHED BY (SIGNATURE):				REC	EIVED BY (SIGN	ATURE):		DATE/TIME:
METHOD OF SHIPMENT:							LAB USE ONLY:	•
RECEIVED AT LABORATORY:				1				



The Water Division of ARCADIS



Appendix B: Sewer System Characterization, Modeling and Monitoring Plan



City of Kingston 420 Broadway • Kingston, New York 12401

Sewer System Characterization, Monitoring and Modeling Plan

July 2007

Report Prepared By:

Malcolm Pirnie, Inc.

43 British American Boulevard Latham, New York 12110 (518) 782-2100



5744-004

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- B. Preliminary Receiving Body Water Quality Monitoring Results
- C. Schedule





1.1. Background Information

The City of Kingston maintains and operates a combined sewage system (CSS) under the New York State Pollution Discharge Elimination System (SPDES) Permit Number NY 002 9351. The City is located in the Hudson River Valley of New York State approximately 50 miles south of Albany and occupies approximately 7.4 square miles of land. Kingston's sanitary sewage collection system consists of approximately 80 miles of pipe ranging in size from 4 to 60 inches in diameter and a Waste Water Treatment Facility (WWTF) that has a permitted rolling annual average treatment capacity of 6.8 million gallons per day (MGD).

The City's current SPDES permit includes the outfall for the WWTF and four Combined Sewer Overflows (CSOs) that discharge to Rondout Creek, a tributary to the Hudson River. Approximately 30 percent of the 80 miles of City sewers are combined. Figure 1-1 shows a map of the City and the four CSOs.

Prior to 1992, the City was permitted for 14 CSO outfalls to Rondout Creek, which are described in their *Combined Sewer Overflow Plan*, as dated last revised August 1992. The City has expended considerable resources to eliminate CSOs by either separating the combined systems that were contributory to them, diverting flows to alternate sewers, and by allowing surcharging of the collection system in order to maximize the capacity of the system. A copy of the current SPDES permit is included in Appendix A.

1.2. Purpose

The purpose of this report is to develop a plan for characterization of the City's combined sewer system. The characterization plan is required for the City's SPDES permit Best Management Practice (BMP) 14 as administered by the New York State Department of Environmental Conservation (DEC), which requires compliance to the United States Environmental Protection Agency (EPA) *Combined Sewer Overflows Guidance for Nine Minimum Controls*, 1995, Chapter 10, and is required for the development of a Long-Term Control Plan (LTCP).

The overall goal of a CSS Characterization, Monitoring and Modeling Plan (Plan) is to develop an understanding of the CSS and be able define the impacts of CSOs on the receiving body in order to implement cost-effective controls to reduce the water quality





1-1

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 Characterization
 Plan\fig_1_new.JPG
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impacts from CSOs and provide compliance with the Clean Water Act (CWA) requirements, including attainment of water quality standards.

1.3. Scope of Work

The scope of this Plan is to provide the City with the following:

- A plan for monitoring the frequency, duration, and volume of overflows at the four CSO structures;
- A plan to complete collection system mapping;
- A plan for monitoring the water quality of the Rondout Creek during both dry and wet weather events; and
- A plan to characterize the pollutant loadings from the CSOs to the Rondout Creek and determine any negative impacts associated with the overflows.





2.1. Existing Conditions

The City is located near the northwest corner of the confluence of Rondout Creek flowing from the west and the Hudson River flowing from the north. At this point, both rivers are influenced by the tidal effects of the Atlantic Ocean. This reach of the Rondout Creek is classified by the DEC as a Class "C" water body. The section of the Hudson River into which the Rondout Creek flows at the southeast corner of the City is a Class "A" water body.

The WWTF discharges to Rondout Creek approximately 3,000 feet upstream of the confluence with the Hudson River. The tidal effects and the proximity of the Hudson River would require significant efforts to accurately develop a water quality model of this reach, if a model was required to be developed.

The City has conducted some sampling and analysis of the receiving water to determine the dry and wet weather water quality conditions of the Rondout Creek. Sampling took place between May 10, 2006 and September 15, 2006. Several grab samples were analyzed in 2006 from the diversion structures of the CSOs and at various points along Rondout Creek. These sample results are included in Appendix B. This sampling program is limited and does not provide sufficient data to determine the geometric mean of fecal coliform levels in Rondout Creek. This data only provides a rudimentary understanding of the effects that overflow events can have on the water quality of the Creek.

2.2. Receiving Water Monitoring Plan

2.2.1. Intent

As part of the requirements to implement a CSS Characterization, Monitoring and Modeling Plan, the City will collect grab samples of the Rondout Creek. The intent of the sampling effort will be to characterize the existing water quality during both dry and wet weather events.

2.2.2. Methodology and Scope

Five sampling events will be conducted per month at the five sampling points located upstream and downstream from the four CSO discharge sites and the WWTF (see Figure 2-1 for sample site locations). The sampling events will be conducted weekly, with one additional sampling event to be conducted within two to four hours of a





2-1

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 Characterization
 Plan\fig_1_new.JPG
 F: \PROJECT\5744004\FILE\CSS
 Characterization
 Plan\L0G0.JPG

 User: lewandowski
 Spec: PIRNIE
 STANDARD
 File: H: \PROJECT\5744004\FILE\CSS
 Characterization
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 2.DWG
 Scale: 1:1
 Date: 12/11/2008
 Time: 10:22
 Layout: Layo



precipitation event commencing that would most likely result in an overflow. The four monthly samples will be taken once a week during dry weather no earlier than 72 hours after rainfall events. During excessively wet months, the remaining three samples can be taken at least 24 hours after rainfall events. Grab samples collected will be collected at the water surface and will be analyzed for:

- Total suspended solids.
- Settleable solids.
- Fecal coliform.
- Dissolved oxygen (DO).
- Floatables.

Sampling events will commence in August and continue for a minimum of 15 weeks (or three months). Refer to Section 5, Schedule. The sampling locations in the Rondout Creek are shown on Figure 2-1.

2.3. Quality Assurance/Quality Control Plan

The water quality sampling Quality Assurance/Quality Control (QA/QC) Plan will be ascertained through the following actions:

- All sampling personnel shall be familiar with the goals and objectives of this sampling program, sampling locations, equipment and protocol.
- All sampling holding times shall be in full compliance with the requirements set forth in applicable EPA-approved methods published in "*Standard Methods for the Examination of Water and Wastewater*".
- Chains of custody reports shall be completed for all samples and field blanks.
- All analytical work, with the exception of the field measured parameters (Dissolved Oxygen and floatables) shall be performed by a contract laboratory having a New York State Environmental Laboratory Accreditation Program (ELAP) certification (in accordance with the National Environmental Laboratory Accreditation Conference (NELAC) Institute).
- The contract laboratory shall provide a copy of its approved standard operating procedures and protocols for analytical work and QA/QC procedures for each parameter or parameter group in full compliance with applicable EPA-approved methods published in "Standard Methods for the Examination of Water and Wastewater".
- All equipment to be used for the field measurements shall be in good working order and properly calibrated as per manufacturer's recommendations.




2.3.1. Field Work

The field work QA/QC program will be comprised of the following components:

- Equipment blanks.
- Duplicate samples.
- Laboratory blanks.

2.3.1.1. Equipment Blanks

Equipment blanks (rinsate blanks) are defined as samples that are generated by rinsing representative sampling equipment with laboratory analyte-free water and then analyzing the rinsate in a similar fashion as regular samples. Equipment blanks are used to assess the cleanliness of equipment used for sampling and the adherence to equipment cleaning practices. Equipment blanks will be collected from sampling equipment immediately before initiation of each sampling event (dry or wet weather). Each sampling crew that mobilizes to perform sampling for a given event will collect equipment blanks from one sampling jar and from one grab sampling device. Each crew will use laboratory analyte-free water to prepare equipment blanks by rinsing one sampling jar, and one grab sampling device, individually with enough volume to take samples of each of the parameters of concern included in this project. Thus, each sampling jar and the other representative of a grab sampling device. All equipment blanks will be acquired from sampling equipment before sampling crews depart to perform sampling.

2.3.1.2. Duplicate Samples

Duplicates samples are defined as a second, or duplicate, set of samples that are obtained from the study matrix which are prepared and analyzed alongside regular samples. Duplicate samples are used to assess the precision of the entire sampling activity. Collecting duplicate samples translates to the collection an additional large grab sample from a given location. For the additional sampling event, the sampling event leader will designate one of the sampling crews to obtain an additional sample volume from their sampling location. The designated crew will collect a duplicate sample.

2.3.1.3. Laboratory Blanks

Laboratory blanks are defined as samples of laboratory analyte-free water that are put through similar preparatory and analytical procedures as regular samples. Laboratory blanks are used to assess the accuracy of laboratory analytical procedures. Laboratory blanks will be prepared by contract laboratory personnel in accordance with established QA/QC procedures. Guidelines for laboratory blank preparation and analytical results reporting by contract laboratory will be determined based on correspondence and contract development between the sampling contractor and the contract laboratory. A copy of the contract should be submitted to Malcolm Pirnie for review prior to program initiation.





2.3.1.4. Field Documentation During Sampling

Sampling personnel will complete a sample log sheet for each sampling location during the additional sampling event. The log will include documentation of the following during sampling at each location:

- Time of sampling.
- Date of sampling.
- Weather conditions.
- Storm discharge flow/hydraulic conditions (standing water/moving flow, etc.).
- DO.
- Physical Observations:
 - Presence of grease.
 - Presence of floatables.
 - Presence of atypical smells.
 - Color.

Any other comments regarding additional observations deemed relevant should be recorded. The log will be completed by the sampler and given to the sampling leader upon completion of the sampling event.

Each container for grab sampling of the receiving water will be labeled on its cover with the name of the sample location.





3. Combined Sewer System Mapping, Database and Digitizing

3.1. Existing Conditions

The City has the majority of the combined sewer system mapped on record drawings that indicate the location of manholes, inlets, catch basins, pump stations, forcemains, sewers, and overflow structures in AutoCAD format. There is little data available pertaining to the inverts of the manholes and sewers that would be utilized for CSS modeling.

3.2. Intent

The intent of the CSS mapping, database, and digitizing task is to develop a single reference for the City in a geographic information system database. The City does not intend to perform a geographic positioning system (GPS) survey of its CSS; however, the City intends to digitize the existing mapping and develop a skeleton database structure that can be populated with data at a later date if funding becomes available.

3.3. Methodology

The City will solicit funding from various sources for archiving records and developing a GIS of its CSS, sanitary sewers, and storm sewers. The existing maps will be digitized and a database developed that will contain specific fields for population at a later date by City personnel.





4.1. Intent

It is the intent of the City of Kingston to replace metering equipment in the overflow chambers located at two of the existing CSOs, place an insert area-velocity meter down stream of the diversion chamber at Hunter Street, and place a level transducer in the equalization tank of the Wilber Avenue. These meters will allow the City to collect a minimum of one year of data pertaining to the frequency, duration, and volume of overflows throughout the City.

4.2. Methodology

One of the conditions to be met for compliance with the Ninth Minimum Control is the monitoring of the frequency of the overflow events at each CSO, where feasible. Since there are only four CSOs, monitoring of overflow occurrences at each CSO should be within the ability of the City and its staff.

There are many different methods available to monitor the frequency of overflow events. The simplest method is block testing. Block testing is the placement of a tethered block on a CSO control weir. When the block has been pushed off of the weir by an overflow, the event can be recorded as an overflow. The block can then be pulled back into place by the tether from the manhole access without entering the confined space of the outflow structure. The shortcomings of the block method include its reliance on staff to visit the outfall after each rainfall event and accessibility of the overflow weir from the access point. A more complex, yet less user-dependent method for overflow frequency monitoring is automatic monitoring. Electronic equipment can be installed in the overflow channels to record the level of flow in the channels and the flow rate, if required. The shortcomings of the automatic method include accessibility to a reliable power source and equipment failure problems.

For the purposes of this study, the City will install automatic metering equipment and data loggers at each of the overflows in order to accurately assess the frequency, duration, and volume of the overflow discharges as discussed herein.

4.3. Outfall Conditions

The condition of each outfall was examined to determine which overflow frequency monitoring method would be the most efficient and cost effective for each overflow chamber. Electronic equipment will be installed at all outfalls to automatically record





overflow data. All data will be recorded at each site and handheld equipment will be used that can collect the data, which can then be transferred to a desktop computer for compilation and examination.

4.3.1. Outfall #006 (Broadway)

The Broadway outfall consists of two separate facilities. The first, a diversion chamber, lies at the intersection of Abeel Street and Broadway and contains the overflow weir leading to the screening facility. From the diversion chamber, the overflow sewer is a 60-inch diameter reinforced concrete pipe (RCP) that travels down Broadway to the bar screen facility, which lies just over 100 feet from Rondout Creek at the intersection of West Strand Street and Broadway. The bar screen facility for the Broadway outfall includes a below-grade channel, which contains two mechanical bar screens. The screens collect large debris and floatables from the overflow stream before it is discharged to the Rondout Creek.

The overflow weir for the Broadway outfall is not readily accessible from the street manhole access, which makes block testing difficult without routine inspection and confined space entries. Therefore, the City has elected to collect flow frequency data at this outfall by the future installation of an area-velocity meter in the sewer entering the screening building. The benefit for this method of flow frequency data collection is that flow rate, duration of the overflow, and volume of the overflow are measured. The system will be provided with a data logger for maintaining a history of overflow data and will be downloaded by City personnel once per week. This data can then be used in preparation for the LTCP.

4.3.2. Outfall #005 (Hasbrouck Avenue)

The Hasbrouck Avenue outfall consists of a screening facility, similar to the Broadway outfall, except that the overflow weir at Hasbrouck is just upstream of the screening building at the dead-end of Catherine Street and contains a mechanical regulator just downstream of the sewer exiting the diversion chamber. The mechanical regulator maintains a maximum flow that can be discharged to the WWTF so that the WWTF is not deluged under wet weather conditions. As the regulator closes, combined sewage is backed up into the sewer, eventually overflowing the weir to the screening building. A 60-inch diameter RCP exits the screening building and discharges to the Rondout Creek.

The overflow weir for the Hasbrouck Avenue outfall is not readily accessible from the street manhole accesses, which makes block testing difficult. The Hasbrouck Avenue outfall screening facility is very similar to the Broadway screening facility. Therefore, the best method for the City to collect data at this outfall is to install an area-velocity meter in the sewer entering the screening facility. The benefit for this method of flow frequency data collection is that flow rate, duration of the overflow, and volume of the overflow are measured. The system will be provided with a data logger for maintaining a history of





overflow data and will be downloaded by City personnel once per week. This data can then be used in preparation for the LTCP.

4.3.3. Outfall #011 (Wilbur Avenue)

The Wilbur Avenue outfall consists of three separate structures installed approximately halfway between the Wilbur Avenue intersections with Wall Street and Chapel Street. The three structures from upstream to downstream of this outfall are: an equalization tank, a pump station, and a screening building. Flow that enters the equalization tank of the Wilbur Avenue pump station can be pumped to the City's WWTF. The equalization tank contains a high level overflow that discharges to a 24-inch diameter overflow sewer. When the flow exceeds the capacity of the pump station, it is directed to a screening facility that contains two automatic bar screens. The Wilbur Avenue screening facility is similar to those located at the Broadway and Hasbrouck CSOs.

To keep data consistent with the data collected from the other outfalls, a level sensor will be installed at the Wilbur Avenue overflow weir. The data logger used to collect data at the other outfalls will also be able to be used at Wilbur Avenue. This data collection method at Wilbur Avenue will only record water level over the weir. Calculations can be performed on the data to approximate flow.

4.3.4. Outfall #007 (Hunter Street)

The Hunter Street outfall consists of a diversion chamber with an overflow weir leading to a 36-inch diameter brick sewer that discharges to the Rondout Creek. The diversion chamber is located on Hunter Street, approximately 100 feet west of its intersection with Ravine Street.

The overflow weir for this diversion structure is a wood block structure that lies beneath a small concrete slab which acts as a step for access from the manhole. Therefore, it will not be possible to place a tethered block on the overflow weir without entering the chamber following confined spaced entry protocol. Therefore, the City will install a battery powered level sensor and data logger that will record frequency of overflow occurrences. The recording device will be attached to the underside of the chamber, immediately adjacent to the manhole access so that entry into the chamber will not be necessary for data retrieval. Data will be downloaded on a weekly basis and after each precipitation event greater than 1/2 inch.

4.4. Outfall Inspections

Weekly inspection of the outfalls and recording equipment will be conducted to ascertain that the equipment is operating properly and to collect data.

For all outfalls, recorded overflow events will be correlated to rainfall data. The City has a rainfall gauge at the WWTF on East Strand Street. The rainfall gauge will be calibrated





to verify its accuracy prior to commencement of the monitoring program. The rainfall gauge results can be used to determine the types of storms that result in overflows at each outfall.

All applicable safety precautions will be followed for inspection of any outfalls to be accessed from manholes. Safety precautions include, but are not limited to:

- Deployment of safety cones.
- Blocking traffic.
- Confined space entry procedures.

4.5. Rainfall Data

The rainfall gauge at the WWTF will be inspected every day to see if any measurable rainfall has occurred in the last 24 hours. If so, the rainfall amount, date, and approximate duration will be recorded. During periods of dry weather, outfalls will be inspected at least once per week.





5. Combined Sewer System Characterization

5.1. Intent

The collected flow and precipitation monitoring and river water quality data will be reviewed to estimate the frequency and volume of CSO activations and assess the impacts of CSO pollutant loadings on applicable water quality parameters of Rondout Creek.

5.2. CSO Activation Evaluations

Once the sufficient CSO discharge flow monitoring data is collected, the CSO flow monitoring and WWTF recorded data can be used to evaluate, under current conditions, the total volume treated at the WWTF, CSO volume, percent capture and frequency of overflow activations for a typical year of precipitation. These evaluations can establish an assessment of the existing system compliance status with the USEPA CSO Control Policy.

Longer term CSO discharge monitoring data (up to and over a year of monitoring) is typically required for such evaluations without developing a collection system model. The precipitation statistics for the monitoring period are compared to the long-term historical precipitation averages to determine if the monitoring conditions can be considered typical. If necessary, adjustments to CSO discharge data can be made to normalize the data to typical conditions.

The purpose of evaluating the CSO and precipitation is to estimate the annual percent capture and total number of overflow activations. Eighty-five percent capture of annual wet weather flows and 4 to 6 overflow activations per year are the two presumptive approach criteria by which compliance with the CSO Control Policy is first assessed. Evaluating existing conditions for these two parameters would establish the starting point from which CSO control alternatives need to be sized to bring the system into compliance with the CSO Control Policy.

5.3. Water Quality Evaluations

The data will be reviewed for trends during dry and wet weather conditions. Figures and tables will be developed to illustrate the changes in water quality parameters tested during the monitoring period. Dry weather and wet weather baseline conditions will also





be summarized for use in preliminarily evaluating water quality in comparison to the receiving stream water quality standards.

Estimated pollutant loadings from each CSO will be developed by utilizing the flow frequency, duration and volume data developed through the CSS monitoring discussed in Section 4. Typical pollutant values for CSOs presented in the Report to Congress, *Impacts and Control of CSOs and SSOs*, dated August 2004, will be utilized for the estimation of the pollutant loadings to the receiving stream.

Further evaluations will be performed to estimate whether the CSO discharges from the City result in exceeding or preclude from the attainment of the receiving stream water quality standards. There are a number of approximation methods that could be completed to support the water quality evaluations necessary for LTCP planning. The evaluations necessary for planning purposes include estimating the potential impact of CSO discharges on the receiving stream and determining the benefits of various LTCP alternatives in terms of improving water quality. The three most common approximation methods (typically used for estimating the impact from CSOs on fecal coliform concentrations in the receiving streams) are briefly discussed below.

5.3.1. First Approximation Method – End of Pipe Evaluation

A first approximation would involve an end of pipe evaluation using output from a continuous SWMM model simulation or existing CSO activation data. The assumption with an end of pipe evaluation is that any CSO discharge would cause bacteria concentrations greater than 200 MPN/100ml at the end of the discharge pipe since a CSO discharge typically has bacteria concentrations ranging from 105 to 107 MPN/100ml. This approach would not include analysis of the transport, fate, or decay of pathogens in the receiving stream.

Estimates of annual CSO occurrences are the basis for the first approximation method. These occurrences are typically obtained from SWMM model simulations or actual monitoring data from the typical year and include total annual CSO volume, hours of activation per year, maximum discharge rates and CSO discharge frequencies. Concentrations could also be applied to the CSO volume to estimate loadings of contaminants.

The first approximation method is especially applicable for pathogens, given that with current bacteriological water quality standards an exceedance is effectively triggered with any CSO occurrence. The first approximation is not as applicable for assessing attainment of water quality standards for other parameters (e.g., dissolved oxygen).





5.3.2. Second Approximation Method – Dilution Evaluation

The second approximation method incorporates a concentration and dilution evaluation and is typically performed after the first approximation. All of the evaluations included in the first approximation would be completed and the results would be combined with concentrations and river flows, thereby providing an estimate of the dilution of the CSO discharge and instream concentrations. The second approximation method explicitly accounts for CSO discharge concentrations, and also for background concentrations in the stream. It does not include transport, fate, or decay processes. The second approximation again assumes that bacteriological standards are the most critical and the most difficult criteria to meet.

A spreadsheet analysis is the simplest means of conducting the second approximation method. Using this method involves combining the stream discharge rates with the predicted CSO discharge rates (from the SWMM model or actual data from the typical year). Event mean concentrations in CSO discharges would be used in conjunction with the CSO discharge rates to predict concentrations.

5.3.3. Third Approximation Method – Dilution/Decay Evaluation

The third approximation method is the most complex and comprehensive evaluation that can be performed to assess CSO impacts on receiving streams. Data from the typical year, or a continuous SWMM simulation similar to the evaluation mentioned above, would be used to predict CSO discharge hydrographs as input for subsequent receiving water evaluation (modeling). This approach would account for the transport, fate, and decay of the parameters of interest. The choice of modeling tools depends on the specific questions that need to be answered and how detailed the simulation needs to be to obtain necessary information. A simple spreadsheet model may be applicable for a one-dimensional transport/decay model while more sophisticated water quality modeling tools such as USEPA QUAL2EU steady-state model or Water Quality Analysis Simulation Program (WASP) dynamic model would be more applicable for a two-or three-dimensional transport/decay model. These sophisticated models are also capable of modeling other parameters in addition to fecal coliform such as DO, nitrogen, phosphorus, and carbonaceous biochemical oxygen demand (CBOD).

The extent of the water quality evaluations necessary for assessing the impact from the City's CSOs on the Rondout Creek will be determined upon collecting and evaluating of the CSO discharge flow data and the receiving stream water quality data. It is anticipated that the end of pipe evaluation will be utilized.







Appendix B

Rondout Creek Sampling Raw Data

Attach nt 1 - Sampling	g Event Summary Sheet		2	S-2 M Page 1 of 1	
Initials:	ACH	E.	Date: _	7.4	
Sampling Team	R. TERPENING / A ADIN /	A.J. BROOKS/C. SCHEFF	EL HILL		3
Weather:	MUSTRY SUN M	- /	Temperature: 116 1		DEET
Direction of Flow:	EASTERLY (OUT)		START 10 30 H	(-) - (Eng 11:45A. chower SA	MPLING
	Time	Field Parameter	Physical Observations	Comments	/
Sampling Location	1 AT - 41,90652	no 10.2 mg/L	Grease NOME	TIDE OUT (EASTERY).	
FLUDENT CK N 250 YDS	2014-74.00443	temperature 15,4°C	Floatables STICKS	10 YDS WESTELLY OF TELEVITY I	
VESTREAM OF WIL BUR.	10:48AM	temperatare	Odors NONE		
OUTFALL	(AT: 41.91247	DO 10.3 mg/L.	Grease Nome	TIDE OUT (EASTERLY)	
# 2 MID. REPUBLICICA	Loive =73,94210	temperature 14.7 °C	Floatables NONE	TO ISLAND DOUR.	
UTS MUSICO. SE	11:06AM	temperature	Odors NOWE		
	LAT. 41.9147	DO 10.4 -4/L	Grease NEWE	TIDE OUT (LASTERLY).	
# 3 MID. ROLDEVICK	LUNG - 73.98-468	tomperature 14.4°C	Floatables STICKS	NEAR ISLAND BULKHEAD.	
OF BRIDGE (SLD)	1112 4-22	temperature / /	Odors NEWE		
	11.15 1911	DO 10,4 mg/L	Grease NONE	TIVE NT EASTERLY OF STEELHOUSE	
421 MID RONDOVICE	LONG - 73 47407	temporature 14.3°C	Floatables NONE	PATIC	
of BRIDGE (temperature refere	Odors NOWE		
(NEW),	11.29 pm	DO 105 mg/L	Grease None	TIDE OUT (ENSTERLY) OF GAS LINE	
# 5 MID. RONDONT CK.	LONG-73.96950	141°C	Eloatables NONE	CROSSING SIGN.	
DT PK		temperature · /	Odors NONE		
	11.50A. 1AF: 41.91745	DO 15. 4 mall	Grease NEWE	TIDE OUT (EASTERNY).	
HE MID. 120MDOU)	LONG - 73.95139	bomorphuro 1/1 2°C	Floatables Ning	50 YOS SWHERLY OF CLOUR MILE SHE	
(RT. 9W) BRIDGE	45 5 4 4 4	temperature 14.2	Odors NIDINE	DOUBLE SCID THE	
	1 AT: 41.88481	100 9.8 mg/L	Grease NONE	THE ALAN H - 40 FT LUNG	CFECTED
#7 UPSTREAM OF	LONG 74.03004	00 1.0 11°C	Eloatables NINE	END OF BOAT GUIDERAIL - SAMPLING	BY TIDE
MYSDEC BOAT LAUNCH	12:42 AN	temperature 16 C	Odors Atotte	DONE FROM POLE - NO BOAT ANAILABLE	
CREEKLOCKS RD TWING	FULSTER) 16 IT M		Grease	SEE SITE #5 ABONE	
#8	5/1= #3	00	Electobles		
DUYLICATE	14 07 A	temperature	Odors		
	1.464				

.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell	ewater Treatme			
	91-129 East Strand	NV	12401		
	Kingston	NT	12401	PC	J #
Client P	roject Name:	Rondout Cr	eek		
Sample	Туре:	Surface Wa	iter		
Order co	omment:				
Order ID:		120878		•	
Sample	Number:	214571			
Sample	Location:	Site #1			
Sample	Comment:	FC rec'd at	13.0 deg C.		
Date/Tin	ne sample collected:	5/7/2014	10:48	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS
Paramet	ter	Te	est Result*	Units	Test Method
Fecal Co	bliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell	ewater Treatme	ent Plant		
	Kingston	NY	12401	PC)#
Client P	roject Name:	Rondout Cr	eek		
Sample Type:		Surface Wa	iter		
Order ID:		120878			
Sample	Number:	214572		марийн арман арман алаан алаан араар араар алаан араан алаан алаан ал	
Sample	Location:	Site #2			
Sample	Comment:	FC rec'd at	10.6 deg C.		
Date/Tin	ne sample collected:	5/7/2014	11:06	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS
Paramet	er	Т	est Result*	Units	Test Method
Fecal Co	liform		60	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	ent Plant					
	Kingston	NY	12401	PC) #			
Client P	roject Name:	Rondout Cr	eek		yn yn de fan			
Sample	Туре:	Surface Wa	iter					
Order co	omment:							
Order IE):	120878						
Sample	Number:	214573						
Sample	Location:	Site #3						
Sample	Comment:	FC rec'd at	10.7 deg C.					
Date/Tin	ne sample collected:	5/7/2014	11:13	Collected By:	Alan Adin			
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo			
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS			
Paramet	ter	Т	est Result*	Units	Test Method			
Fecal Co	bliform		10	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	nt Plant				
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Rondout Cre	ek				
Sample	Туре:	Surface Wat	ter				
Order co	omment:						
Order IE):	120878					
Sample	Number:	214574					
Sample	Location:	Site #4					
Sample	Comment:	FC rec'd at 1	3.7 deg C.				
Date/Tin	ne sample collected:	5/7/2014	11:29	Collected By:	Alan Adin		
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo		
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS		
Paramet	ter	Te	est Result*	Units	Test Method		
Fecal Co	bliform		40	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	ent Plant					
	Kingston	NY	12401	PC) <i>#</i>			
Client P	roject Name:	Rondout Cr	eek					
Sample	Туре:	Surface Wa	iter					
Order c	omment:							
Order II	D:	120878						
Sample	Number:	214575						
Sample	Location:	Site #5						
Sample	Comment:	FC rec'd at	14.0 deg C.					
Date/Tin	ne sample collected:	5/7/2014	11:38	Collected By:	Alan Adin			
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo			
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS			
Parame	ter	т	est Result*	Units	Test Method			
Fecal Co	oliform		40	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 Fast Strand	ewater Treatme	ent Plant		
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cr	eek		
Sample	Туре:	Surface Wa	iter		
Order co	omment:				
Order ID):	120878			
Sample	Number:	214576			
Sample	Location:	Site #6			
Sample	Comment:	FC rec'd at	13.8 deg C.		
Date/Tin	ne sample collected:	5/7/2014	11:21	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS
Paramet	ter	Т	est Result*	Units	Test Method
Fecal Co	bliform		30	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Ab Manager, ELAP Lab ID #10924

12-May-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	ent Plant		
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cr	eek		
Sample	Type:	Surface Wa	ter		
Order c	omment:				
Order II	D:	120878			
Sample	Number:	214577			
Sample	Location:	Site #7			
Sample	Comment:	FC rec'd at	11.7 deg C.		
Date/Tir	me sample collected:	5/7/2014	12:51	Collected By:	Alan Adin
Date/Tir	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo
Date/Tir	me sample analyzed:	5/7/2014	16:40	Tech:	SS
Parame	ter	т	est Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	nt Plant		
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cre	ek		****************
Sample	Туре:	Surface Wat	er		
Order co	omment:				
Order ID):	120878			
Sample	Number:	214578			
Sample	Location:	Duplicate			
Sample	Comment:	FC rec'd at 1	3.1 deg C.		
Date/Tin	ne sample collected:	5/7/2014	11:42	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/7/2014	14:00	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS
Paramet	er	Те	st Result*	Units	Test Method
Fecal Co	liform		30	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Waste Attn: Allen Winchell 91-129 East Strand	ewater Treatme	ent Plant					
	Kingston	NY	12401	PC) #			
Client P	roject Name:	Rondout Cr	eek					
Sample Type: Order comment: Order ID:		Water						
		120878						
Sample	Number:	214729						
Sample	Location:	Blank-QC						
Sample	Comment:	FC blank pla	FC blank plate run with 100 mL buffered rinse water.					
Date/Tin	ne sample collected:	5/7/2014	16:40	Collected By:				
Date/Tin	ne sample received:	5/7/2014	16:40	Received by:	Amy Jo			
Date/Tin	ne sample analyzed:	5/7/2014	16:40	Tech:	SS			
Paramet	ter	Т	est Result*	Units		Fest Method		
Fecal Co	bliform		< 1	CFU/100m	L S	SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

12-May-14

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At ach	g Event Summary Sheet		- 28 -	
Ini ials:	AJA		Date:	5.12.14. Page 1 of 1
Sampling Team:	A. ADIN/R. SWENSON/A.	WINCHELL/K. MCINTOSL		
Weather:	CLEAR - 70?	/	Temperature:	
Direction of Flow:	IN - WESTERLY.		ROMDOUT CRE	EK.
I Sampling Location	Time	Field Parameter	Physical Observations	Comments
SITE #1	10:55A	DO 9.4 mg/L	Grease NOME	TIDE IN WESTERLY
WAND CREEK. ~ 250 YOS	LAT: 41.54 41.907	temperature 18.4 °C	Floatables NONE	10405 - WEST OF FIELDEY
UPS MEAN OF WILLBUR ONFALL	LONG. 74.003		Odors NONE	Dry Dock
CITE # 2	11:10A.	DO 9.6/mgL	Grease NOME	TIDE IN WESTERLY.
IN I D CREEK - UPSTREAM	AT: 41.91	temperature 17.5°C	Floatables NONE	50 YDS- SOUTHERLY - CATISLAND
of BLOCK PHEN.	LONG 73.99		Odors NOME	DOCK CAUSENAY CULVERTS.
SITE # 3 MID	11:19 A -	DO 9.7/mgl	Grease Nome	TIDE IN WESTERRY.
CREEK ~150 YDS	1 AT. 41.9149	temperature (7,1°C	Floatables NOME	STEEL BOILDS PROPRIOUS FROM
UPS REAM OF OLD	10NG: 73.9849		Odors NONE	WATER. WORTHERLY SIDEOF CREEK
DEIDER	11:32A	DO9.8 9.7/19/1	Grease NONE	50 YDS SOUTHERLY OF STEELHOUSE
CREEK ~ 200 YDS	LAT: 41.9193	temperature 120°C	Floatables NONE	REST. PATTO.
DOWNSTREAM OF NEW	LOUG 7 3.9790	17.0°C.	Odors NONF	TIDE IN WESTERLY.
BICTUSE CITE #S HID (DEEK	11:41 A	DO 9.6 mg/L.	Grease NONE	TIDE IN EASTERED
UPSTREAM OF KINGSTON	LAT 41.9220	temperature 16.9°C	Floatables NONE	50 YOS SON THERE OF
PT. PARK	LONG 73,9697	temperature / 0 /	Odors NOME.	CHGE - DANGER SIGN
SITE#6 MIDCREEK	11:26 A.	DO 9.7 mg/L	Grease NOME	TIDE IN WESTERY - SO YDS. SONTHERY
UNDER NEW	LAT 41.9177	temperature 17.0,C	Floatables Nove	of CLEARWATER SHEED DOUGLAN
BRIDGE	LONG 73,9813	temperature / / tere	Odors NDNF	poors.
SITTERT UPSTREAM	12:25 P.	DO 9.9 mg/4	Grease NOME	THE THE THE - WESTERLY END
OF EDDYNILLE DAM	1AT . 44.8848	temperature /6,3°C	Floatables NONF	OF NYSDEC BOAT LAUNCH ~ 70 HOURS
LANNCH-CREEKLOCKS (4)	LONG: 74.0300		Odors NONE	POLE SHORE W/ POLE/SITE UNDEFFECTED BY TIDE
TOWN OF ULS TERE.	SIDE #1	DO	Grease	SEE SITE #1
DUPLICATE		temperature	Floatables]
	10:57A.		Odors	



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Rondout Cree	ek				
Sample	Туре:	Surface Wate	er				
Order c	omment:						
Order ID):	120973					
Sample	Number:	214784					
Sample	Location:	Site #1, grab	Site #1, grab				
Sample	Comment:	FC rec'd at 1	5.4 deg C.				
Date/Tin	ne sample collected:	5/12/2014	10:55	Collected By:	Alan Adin		
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo		
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS		
Parame	ter	Te	st Result*	Units	Test Method		
Fecal Co	oliform		30	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC)#		
Client P	roject Name:	Rondout Cree	ek				
Sample Type:		Surface Water					
Order comment: Order ID:							
		120973					
Sample	Number:	214785					
Sample	Location:	Site #2, grab					
Sample	Comment:	FC rec'd at 14	.6 deg C.				
Date/Tin	ne sample collected:	5/12/2014	11:10	Collected By:	Alan Adin		
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo		
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS		
Paramet	ter	Tes	st Result*	Units	Test Method		
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office							
	Kingston	NY	12401	PC) #				
Client P	roject Name:	Rondout Cree	ek						
Sample Type:		Surface Wate	Surface Water						
Order co	omment:								
Order IE):	120973							
Sample	Number:	214786							
Sample	Location:	Site #3, grab							
Sample	Comment:	FC rec'd at 11	.2 deg C.						
Date/Tin	ne sample collected:	5/12/2014	11:19	Collected By:	Alan Adin				
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo				
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS				
Parame	ter	Tes	t Result*	Units	Test Method				
Fecal Co	bliform		20	CFU/100m	L SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cree	ek	****	
Sample Type:		Surface Wate	er		
Order comment: Order ID:					
		120973		× • • • •	
Sample	Number:	214787			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 14	deg C.		
Date/Tin	ne sample collected:	5/12/2014	11:32	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS
Paramet	er	Tes	st Result*	Units	Test Method
Fecal Co	liform		50	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office						
	420 Broadway							
	Kingston	NY	12401	PC) #			
Client P	roject Name:	Rondout Cree	ek					
Sample Type:		Surface Water						
Order c	omment:							
Order I) :	120973						
Sample	Number:	214788						
Sample	Location:	Site #5, grab						
Sample	Comment:	FC rec'd at 15	5.4 deg C.					
Date/Tin	ne sample collected:	5/12/2014	11:41	Collected By:	Alan Adin			
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo			
Date/Tir	ne sample analyzed:	5/12/2014	16:40	Tech:	SS			
Parame	ter	Tes	st Result*	Units	Test Method			
Fecal Co	oliform		20	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Rondout Cre	ek				
Sample	Туре:	Surface Wate	er				
Order co	omment:						
Order ID):	120973					
Sample	Number:	214789					
Sample	Location:	Site #6, grab					
Sample	Comment:	FC rec'd at 14	4.3 deg C.				
Date/Tin	ne sample collected:	5/12/2014	11:26	Collected By:	Alan Adin		
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo		
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS		
Parame	ter	Te	st Result*	Units	Test Method		
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by:/Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	neers Office						
	Kingston	NY	12401	PC)#			
Client P	roject Name:	Rondout Cree	łk	ha hain ala din kanya ang pang kanya na ang kanya na kany				
Sample Type: Order comment: Order ID:		Surface Water						
		120973						
Sample	Number:	214790	8					
Sample	Location:	Site #7, grab						
Sample	Comment:	FC rec'd at 14	.9 deg C.					
Date/Tin	ne sample collected:	5/12/2014	12:25	Collected By:	Alan Adin			
Date/Tin	ne sample received:	5/12/2014	15:30	Received by:	Amy Jo			
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS			
Paramet	ter	Tes	t Result*	Units	Test Method			
Fecal Co	bliform		< 10	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office						
	Kingston	NY	12401	PC) #			
Client P	roject Name:	Rondout Cre	ek					
Sample Type:		Surface Wate	Surface Water					
Order comment: Order ID:								
		120973						
Sample	Number:	214791						
Sample	Location:	Duplicate, gra	ab					
Sample	Comment:	FC rec'd at 1	4.4 deg C.					
Date/Tin	ne sample collected:	5/12/2014	10:57	Collected By:	Alan Adin			
Date/Tin	ne sample received:	5/12/2014	15:30 -	Received by:	Amy Jo			
Date/Tin	ne sample analyzed:	5/12/2014	16: 4 0	Tech:	SS			
Parame	ter	Те	st Result*	Units	Test Method			
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office								
	Kingston	NY	12401	PC)#					
Client P	roject Name:	Rondout Cre	eek							
Sample Type:		Water	Water							
Order comment: Order ID:										
		120973								
Sample	Number:	214905								
Sample	Location:	Blank-QC								
Sample	Comment:	FC blank pla	te run with 100 m	L buffered rinse water.						
Date/Tin	ne sample collected:	5/12/2014	16:40	Collected By:						
Date/Tin	ne sample received:	5/12/2014	16:40	Received by:	Amy Jo					
Date/Tin	ne sample analyzed:	5/12/2014	16:40	Tech:	SS					
Paramet	ter	Те	est Result*	Units	Test Method					
Fecal Co	oliform		< 1	CFU/100m	L SM 18 9222D					

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office Attn: Alan Adin								
	420 Broadway								
	Kingston	N	Y 12	2401	PC)#			
Client Pro	oject Name:	Rondout Creek							
Sample Location: Site #1, grab									
Order co	mment:								
Order ID:	120973	Sample Number	: 214784			Sample Type: S	urface Wa	ter	
Sample C	collected By:	Alan Adin							
Date/Time	e sample coll	ected:	Date/Time sample received:			Received by:			
5/12/2014	10:55		5/12/2014	4 15:3	0	Amy Jo			
Sample C	comment: FC	C rec'd at 15.4 deg	С.						
Paramete	er:	Test	Result	Units	Test Method	Test Dat	e/Time	Tech**	
Solids, Se	attieable		< 0.1	mL/L	SM20 2540F	5/13/2014	4 13:30	LAE	
Total Sus	pended Solids	5	6	mg/L	SM20 2540 D	5/16/2014	4	JFE	
Resuits C	Comment:								
	\mathcal{A}								

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office Attn: Alan Adin								
	420 Broadwa	ау							
	Kingston	NY	r 124	01	Р	0 #			
Client Pro	ject Name:	Rondout Creek							
Sample L	ocation:	Site #2, grab							
Order co	mment:								
Order ID:	120973	Sample Number	214785			Sample Type:	Surface Wa	ter	
Sample C	ollected By:	Alan Adin							
Date/Time	sample coll	ected:	Date/Time sample received:			Received by:			
5/12/2014	11:10		5/12/2014	15:30		Amy Jo			
Sample C	omment: FC	rec'd at 14.6 deg	С.						
Paramete	er:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**	
Solids, Se	ttleable		< 0.1	mL/L	SM20 2540F	5/13/20)14 13:30	LAE	
Total Sus	pended Solids		5	mg/L	SM20 2540 D	5/16/20)14	JFE	
Results C	comment:								

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Cilent:	City of Kingston Engineers Office									
	420 Broadway									
	Kingston	-, N	Y 12	2401	PC)#				
Client Pro	oject Name:	Rondout Creek								
Sample Location: Site #3, grab										
Order co	mment:									
Order ID:	120973	Sample Numbe	r: 214786			Sample Type:	Surface Wa	ter		
Sample C	collected By:	Alan Adin								
Date/Time	e sample coll	ected:	Date/Tim	Date/Time sample received:			Received by:			
5/12/2014	11:19		5/12/2014	5/12/2014 15:30 Amy Jo						
Sample C	comment: FC	rec'd at 11.2 deg	C.							
Paramete	er:	Tes	t Result	Units	Test Method	Test Da	ite/Time	Tech**		
Solids, Se	ottleable		< 0.1	mL/L	SM20 2540F	5/13/20	14 13:30	LAE		
Total Sus	pended Solids		6	mg/L	SM20 2540 D	5/16/20	14	JFE		
Results C	Comment:									
	Ş	in								

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office										
	Attn: Alan Adin										
	420 Broadway										
	Kingston	NY	′ 124	01	P(D #					
Client Pro	ject Name:	Rondout Creek									
Sample Location: Site #4, grab											
Order cor	mment:										
Order ID:	120973	Sample Number:	214787			Sample Type:	Surface Wat	ter			
Sample C	ollected By:	Alan Adin									
Date/Time	sample colle	ected:	Date/Time sample received:		:	Received by:					
5/12/2014	11:32		5/12/2014	15:30		Amy Jo					
Sample C	omment: FC	rec'd at 14 deg C.									
Paramete	r:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**			
Solids, Se	ttleable		< 0.1	mL/L	SM20 2540F	5/13/20	014 13:30	LAE			
Total Susp	pended Solids		29	mg/L	SM20 2540 D	5/16/20)14	JFE			
Results C	omment:	1									
	C	0									
	7										
		0									

Reviewed by: Lab Manager, ELAP Lab ID #10924

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07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office Attn: Alan Adin							
	420 Broadwa	ау						
	Kingston	NY	124	01	PC)#		
Client Project Name: Rondout Creek								
Sample Location: Site #5, grab								
Order co	mment:							
Order ID:	120973	Sample Number:	214788			Sample Type: S	urface Wa	iter
Sample C	ollected By:	Alan Adin						
Date/Time sample collected:			Date/Time sample received:			Received by:		
5/12/2014 11:41			5/12/2014 15:30 Amy Jo					
Sample C	comment: FC	rec'd at 15.4 deg 0	D					
Parameter: Test			Result	Units	Test Method	Test Dat	e/Time	Tech**
Solids, Settleable			< 0.1	mL/L	SM20 2540F	5/13/201	4 13:30	LAE
Total Sus	pended Solids		7	mg/L	SM20 2540 D	5/16/201	4	JFE
Results C	Comment:	flux						

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Cilent:	City of Kings	ston Engineers Official	ce					
	Attn: Alan A	din						
	420 Broadw	ay						
	Kingston	N	/ 124	01	P	0#		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #6, grab						
Order co	mment:							
Order iD:	120973	Sample Number	: 214789			Sample Type:	Surface Wa	iter
Sample C	ollected By:	Alan Adin						
Date/Time	Date/Time sample collected:		Date/Time	sample rec	ceived:	Received by:		
5/12/2014	11:26		5/12/2014	15:3	30	Amy Jo		
Sample C	omment: FC	rec'd at 14.3 deg	C.					
Paramete	r:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ttieable		< 0.1	mL/L	SM20 2540F	5/13/20	014 13:30	LAE
Total Susp	pended Solids	i	5	mg/L	SM20 2540 D	5/16/20)14	JFE
Results C	comment:	lut						

Reviewed by: Lab Manager, ELAP Lab ID #10924

-3

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	iton Engineers Of	fice				
	Attn. Alali A						
	Kingston	ay N	IY 1	2401	PO	#	
Client Pro	ject Name:	Rondout Creek					
Sample L	ocation:	Site #7, grab					
Order co	mment:						
Order ID:	120973	Sample Numbe	er: 214790)	S	ample Type: S	urface Water
Sample C	ollected By:	Alan Adin					
Date/Time	e sample coll	ected:	Date/Tin	ne sample rec	ceived:	Received by:	
5/12/2014	12:25		5/12/201	4 15:3	30 /	Amy Jo	
Sample C	omment: FC	rec'd at 14.9 deg	ј С.				
Paramete	er:	Tes	t Result	Units	Test Method	Test Date	e/Time Tech**
Solids, Se	ttleable		< 0.1	mL/L	SM20 2540F	5/13/2014	14:50 LAE
Total Sus	pended Solids	i	5	mg/L	SM20 2540 D	5/16/2014	I JFE
Results C	Comment:	lur					

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	e					
	Attn: Alan A	din						
	420 Broadwa	iy						
	Kingston	NY	124	01	P	0#		
Client Pro	ject Name:	Rondout Creek						
Sample Lo	ocation:	Duplicate, grab						
Order co	mment:							
Order ID:	120973	Sample Number:	214791			Sample Type:	Surface Wat	er
Sample C	ollected By:	Alan Adin						
Date/Time sample collected:		ected:	Date/Time	sample rec	ceived:	Received by:		
5/12/2014	10:57		5/12/2014	15:3	30	Amy Jo		
Sample C	omment: FC	rec'd at 14.4 deg (D.					
Paramete	г:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ttieable		< 0.1	mL/L	SM20 2540F	5/13/20)14 14:50	LAE
Total Susp	pended Solids		6	mg/L	SM20 2540 D	5/16/20)14	JFE
Results C	comment:	lus						

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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8-1313 Turnaround Tin 5 RUSH (Rus ** Date report 1	e: Standa h surcharg equested:	rd 🗸 ze applie	(8		4 F O	opy result ocal Healt es <mark>1</mark> P	s to h Dept. No V	Amt Pai Pmt Me Receipt	d: thod : No:		
Y OF KINGSTON		Client P	hone No: 1	845-334-3	8968		roject/Facility Name:	RONDOUT CRE	EK	1	
20 BROADWAY		Client Fi	ax No.:				ocation:				
4, NY 12401	_	Copy Re	eport To: _	RALPH	SWEN	SON	PWS Fed ID No:	: NY-			
CLIENT: COMPLI	TE THE	SAMPL	E INFOR	MATION	ININ	HE SPAC	E PROVIDED BELOW	V	LAB	USE O	4 >
Sample Identification & Sample Point	Matrix	(Ch Grab	leck One) Comp Fir	st Treatr st Type aw Resid	ment e & ⊥	Date/Time Sampled	Analysis Requested	Container & Preservative	lced Y/N	Sample Temp, Deg C	
3#1	SW	×			_	10:55A	SS/TSS	2-1LPLAS	Y	Big	the state of the s
3 #2	SW	×			-	1:10 A	SS/TSS	2-1LPLAS		6th H	
3 #3	SW	×			-	1:19 A	SS/TSS	2-1LPLAS		15.40/7.4	
3#4	SW	х			//	1:32A	SS/TSS	2-1LPLAS		142/28	-
3 #5	SW	×			1	NIA:1	SS/TSS	2-1LPLAS		8.7/178	101.00.0702
3#6	SW	×			-	1:26A	SS/TSS	2-1LPLAS		5.3/12	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.
3 #7	SW	×				2:25P	SS/TSS	2-1LPLAS		18.1/21	And in case of the local division of the loc
LICATE	SW	×			~	N£.5:0	55/755	2-1LPLAS.	t	16.3/6	-
											10000000
TIT that I am responsible for payment,	unless other p	payment ar	(Title) rangements a	ENGIA	in advan	ce by Smith	$\frac{C}{H}$ I hereby affirm that t Laboratory.	the information above is t	nue and co	nplete to th	=
ALAN ADIN			Received By	7		P		Date:		Time:	1
			Received at	Lab By:	C	ADP	,	Date: $5/L$	hite	Time: / 4	• n /1
ie following requirements			0	omments:							1
A CA											- 1 I.
	RY RY 8-1313 Turnaround Tim <i>RUSH</i> (<i>Rus</i> <i>NVSH</i> (<i>Rus</i> <i>RUSH</i> (<i>Rus</i>) <i>CLIENT</i> : <i>COMPLI</i> <i>CLIENT</i> : <i>COMPLI</i> <i>Sample Identification &</i> <i>Sample Identification &</i> <i>Sample Identification &</i> <i>Sample Identification &</i> <i>Sample Point</i> <i>Sample Point</i> <i>Sample Identification &</i> <i>Sample Foint</i> <i>Sample Identification &</i> <i>Sample Foint</i> <i>CLIENT</i> : <i>COMPLI</i> <i>Sample Identification &</i> <i>Sample Foint</i> <i>CLIENT</i> : <i>COMPLI</i> <i>CLIENT</i> : <i>COMPLI</i> <i>CLIENT</i> : <i>COMPLI</i> <i>CLIENT</i> : <i>COMPLI</i> <i>CLIENT</i> : <i>COMPLI</i> <i>Sample Identification &</i> <i>Sample Foint</i> <i>CLICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>LICATE</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ALAW ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i>ADIW</i> <i></i>	RY RY RY s=1313 Turnaround Time: Standa RUSH [(Rush surcharg RVSH [(Rush surcharg RVSH [(Rush surcharg RVSH [(Rush surcharg RVSH [(Rush surcharg requisements RVSH [RY RY 8-1313 Turnaround Time: Standard [] RUSH [] (Rush surcharge applie ** Date report requested: Client P Client F CLIENT: COMPLETE THE SAMPI CLIENT: COMPLETE THE SAMPI Sample Identification & Matrix Grab Sample Point ** Sample Point ** Sample Point ** Sample Point ** Date report solution ** Date report requested: ** Date report requirements ** Date report report requirements ** Date report requirements ** Date report requirements ** Date report report report requirements ** Date report requirements ** Date report	RY Change applies 8-1313 Turnaround Time: Standard $\[]$ 8-1313 Turnaround Time: Standard $\[]$ 8-1313 Turnaround Time: Standard $\[]$ 8 ** Date report requested: Y OF KINGSTON Client Phone No:: 120 BROADWAY_ Client Phone No:: CLIENT: COMPLETE THE SAMPLE INFOR Sample Identification & Matrix Sample Point Matrix Grab Comp Sample Point SW 8#1 SW 8#2 SW 8#3 SW 8#4 SW 8#5 SW 8#6 SW SW X ILCATE SW ALAN ADIN Received B Received B Received B Received B	RY Characound Time: Standard \boxed{V} 8-1313 Turnaround Time: Standard \boxed{V} RUSH (Rush surcharge applies) ** Date report requested: Client Phone No: 845-334-3 120 BROADWAY Client Phone No: 845-334-3 120 BROADWAY Client Phone No: 845-334-3 CLIENT: COMPLETE THE SAMPLE INFORMATION CLIENT: Mairix Grab Sample Identification & Mairix Grab Sample Identification & SW X Image: Treat Sample Identification & SW X Image: Treat Sample Point SW X Image: Treat S#4 SW X Image: Treat S#4 SW X Image: Treat S#6 SW X Image: Treat S#6 SW X Image: Treat S#7 SW X Image: Treat S#6 SW X Image: Treat S#6 SW X Image: Treat Comments SW X Image: Treat Comments	RY CHAINOF CON 8-1313 Turnaround Time: Standard $\[] \]$ Constructing explicits Constructing explicits Construction Constructin Construction Construc	RY CHAIN OF CONTRACT 8-1313 Turnaround Time: Standard $\[\] XUSH \]$ Copy result RUSH \] (Rush surcharge applies) vestile vor of KINGSTON Client Phone No: 845-334-3968 Incell Healt 20 BROADWAY Client Phone No: 845-334-3968 Incell Healt 20 BROADWAY Client Phone No: 845-334-3968 Incell Healt 4 VI 2401 Copy Report To:	RY CHAIN OF COSTON Copy results to ACUSET[Client Proof reguested: Copy results to voe Health Dept. Vest[Copy results to voe Health Dept. Vest[Copy results to voe Health Dept. Vest[Project/Facility Name: 20 BROADWAY Client Phone No: 845-334-3968 Project/Facility Name: Icoration: Vest[No. \Box 20 BROADWAY Client Phone No: 845-334-3968 Project/Facility Name: Icoration: Vest[No. \Box 320 BROADWAY Copy Report To: RALPH SWENSON PWS Fed ID No PWS Fed ID No 4, NY 12401 COMPLETE THE SAMPLE INFORMATION IN THE SPACE PROVIDED BELOW DataFine Sample baterification Analysis Sample Identification & SW X Image: Swelow X Image: Swelow Analysis 3#1 Swelow SW X Image: Swelow Swel	CHAIN CE COPURATION Annotation a. 1313 Turnargund Time: Sandard [] Local Health Dept. Annotation a. 1000 ROSTI [] (Kast surcharge applies) Local Health Dept. ProjectFacility Name:	RY CHAIN OF COSTON Opy results to Anni Paid: ** Due report requested: Anni Due: Image: Anni Paid: ** Due report requested: Anni Paid: Paid: ** Due report requested: Anni Paid: ** Due report requested: Anni Paid: ** Due reported: ** Due report request	CHAIN UP CUSUP Copy results to the function of the func

Attach nt 1 - Samplin	ng Event Summary Sheet	:		<u>is</u>	ſ .
Iniitials	AJA		Date:	5.16.12 Page 1 of 1	ē
Sampling Team: V /eathor:	A.ADIN/R.SWENSON ONERCAST - LIGHT	N/R.SCHEFFIL	Temperature:	Low 60 5	
Eirection of Flow:	OUT - EASTERLY/L	OWTIDE	e	RONDONT CREEK	
Sampling Location	Time	Field Parameter	Physical Observations	Comments	
SITE 1-MID	10:05 A.	DO 8.9 mg/L	Grease NONE	10 YDS EASTERLY OF FEELLEY	
UPSTREAM. OF WILBUR	LAT - 41.907	temperature /9.2°C	Floatables NonE	DRY DOCK - TI DE LOW - OUT FASTERLY	
OUTFALL - ROMPOUT	LONG - 74.004		Odors NONE		
12- MID Creek	LAT . 41.912	DO 9.0 mg/L	Grease NONE	TIDEOUT-EASTERLY	
REDUCAT UPSPREAM	LONG 73.992	temperature 19.1 °C	Floatables POLLEN?	SO YOS SOUTHEREY CONTRACTS	
	10:15A		Odors Nome	blee cooler in	
43 MID REMONT	LAT 41.915	DO 9.0 mg/L	Grease NONE	TIDE OUT EASTERLY	
CREEK ~ 150 YDS	LONG 73.985	temperature 19.18	Floatables None	PROTEVOING FROM MATTER WEAR ISCAND	
BRIDGE	10: ZI A		Odors NONE	DOCIL BULKHEAD.	
#4 MID RONDUT	LAT 41.913	DO 9.0 mg/L	Grease NONE	TIDEG OUT EASTERIA	
CREEK ~ ZOO YDS	LONG 73974	temperature /9.0°C	Floatables Nonc	STEEL HOUSE DIATION	
NEW BRIDGE	10:30 A		Odors NONE		
#5 MID RONDONT	LAT 41.923	DOT 4.1 mg #28.9	Grease NONE	TIDE OUT EASTERLY	
CREEK - WETREAM	LONG 73.970	temperature 19 19.0%	Floatables NONE_	GAS LINE CROSSING SIGN.	
	10:45A.	/9.1	Odors NONE		
#6 MID REWOUT	LAT 41.918	DO 9.1 mg/L	Grease NONE	TIDE OVE EASNERLY	
LREEK - UNDER	LONG 73.981	temperature 19.0°C.	Floatables NOVE	CLEAR WATER SHED	
ser genzee	10:35 A.		Odors NONE	DOUBLE DOORS.	
#7 UPSTREAM OF	LAT 41.885	DO 8.5 m/L	Grease NOVE	EASTER LY - KASTER PERE	
NYSDEC BOAT LAUNCH	LONG 74.030	temperature 19.3°	FloatablesNONE	RONDO'T CREEK - OF SO YOS SOUTHERLY	
TWN OF UNSTER.	11:10A.		Odors NONE	OF MYSDEC BOAT LAUNCH - UNEFFECTED BY	TID
allicare.	SEE SITE	DO	Grease	SEE SITE # 2 ABOVE	
	#2	temperature	Floatables	-	
			Odors		18

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Drinking Wat	ter		
Order comment:					
Order ID):	121143			
Sample	Number:	215177			
Sample	Location:	Site #1, grab			
Sample	Comment:	FC rec'd at 1	0.3 deg C.		
Date/Tin	ne sample collected:	5/16/2014	10:05	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Te	st Result*	Units	Test Method
Fecal Co	bliform		50**	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment: **Sample analyzed 5 mins outside of 6 hr. holding time.

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	roject Name:	Rondout Cre	ek	******	
Sample	Туре:	Drinking Wat	er		
Order comment: Order ID:					
		121143			
Sample	Number:	215178			······
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 1	0.9 deg C.		
Date/Tin	ne sample collected:	5/16/2014	10:15	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Te	st Result*	Units	Test Method
Fecal Coliform			80	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by/ Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cr	ek		
Sample	Туре:	Drinking Wa	iter		
Order comment: Order ID:					
		121143			
Sample	Number:	215179			
Sample	Location:	Site #3, grat)		
Sample	Comment:	FC rec'd at	2.8 deg C.		
Date/Tin	ne sample collected:	5/16/2014	10:21	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Те	est Result*	Units	Test Method
Fecal Coliform			40		L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cree	ek			
Sample	Туре:	Drinking Wate	er			
Order comment: Order ID:						
		121143	121143			
Sample	Number:	215180				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 13	3.4 deg C.			
Date/Tim	ne sample collected:	5/16/2014	10:30	Collected By:	Ralph Swenson	
Date/Tim	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo	
Date/Tim	ne sample analyzed:	5/16/2014	16:10	Tech:	SS	
Paramet	er	Tes	t Result*	Units	Test Method	
Fecal Coliform			10	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek	afrantis a filman as figuri filman di san da san da san ang sakakan		
Sample	Туре:	Drinking Wat	er			
Order comment: Order ID:						
		121143				
Sample	Number:	215181				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 13	3.9 deg C.			
Date/Tin	ne sample collected:	5/16/2014	10:45	Collected By:	Ralph Swenson	
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo	
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS	
Paramet	ter	Tes	st Result*	Units	Test Method	
Fecal Co	bliform		30	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cre	eek		
Sample	Туре:	Drinking Wa	iter		
Order comment: Order ID:					
		121143			
Sample	Number:	215182			
Sample	Location:	Site #6, grat)		
Sample	Comment:	FC rec'd at	13.7 deg C.		
Date/Tim	ne sample collected:	5/16/2014	10:35	Collected By:	Ralph Swenson
Date/Tim	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tim	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	er	Те	est Result*	Units	Test Method
Fecal Coliform			20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek	and and the second of a second of a second of a second second second second second second second second second	
Sample	Туре:	Drinking Wa	ter		
Order comment: Order ID:					
		121143			
Sample	Number:	215183			
Sample	Location:	Site #7, grab)		
Sample	Comment:	FC red' at 12	2.9 deg C.		
Date/Tin	ne sample collected:	5/16/2014	11:09	Collected By:	Alan Adin
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Те	st Result*	Units	Test Method
Fecal Coliform			10		L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	roject Name:	Rondout Cre	eek		
Sample	Туре:	Drinking Wa	iter		
Order co	omment:				
Order ID):	121143			
Sample	Number:	215184			
Sample	Location:	Duplicate, g	rab		
Sample	Comment:	FC rec'd at 1	15.8 deg C.		
Date/Tin	ne sample collected:	5/16/2014	10:15	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	5/16/2014	14:10	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Te	est Result*	Units	Test Method
Fecal Co	liform		90	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Water			
Order co	omment:				
Order ID):	121143			
Sample	Number:	215190			
Sample	Location:	Blank-QC			
Sample	Comment:	FC blank rur	with 100 mL b	uffered rinse water.	
Date/Tim	ne sample collected:	5/16/2014	16:10	Collected By:	
Date/Tim	ne sample received:	5/16/2014	16:10	Received by:	Amy Jo
Date/Tim	ne sample analyzed:	5/16/2014	16:10	Tech:	SS
Paramet	ter	Te	est Result*	Units	Test Method
Fecal Co	bliform		< 1	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

19-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	æ						
	Attn: Alan A	ain							
	420 Broadwa	ay					0.#		
	Kingston	NY	12	401			·0 #		
Client Pro	ject Name:	Rondout Creek							
Sample L	ocation:	Site #1, grab							
Order co	mment:								
Order ID:	121143	Sample Number	215177				Sample Type:	Surface Wa	ater
Sample C	ollected By:	Ralph Swenso	л						
Date/Time	e sample coll	ected:	Date/Tim	e sample	e received:		Received by:		
5/16/2014	10:05		5/16/2014	ł	14:10		Amy Jo		
Sample C	comment: FC	rec'd at 10.3 deg	0.						
Paramete)r;	Test	Result	Units		Test Method	Test D	ate/Time	Tech**
Solids, Se	attleable		< 0,1	mL/L		SM20 2540F	5/16/20	014 16:45	LAE
Total Sus	pended Solids	i	4	mg/L	:	SM20 2540 D	5/20/20	014	LAE
Results (Comment:								
		$\sim \sim -$							

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingsi Attn: Alan A	ton Engineers Offic din	æ					
	420 Broadwa Kingston	NY NY	124	01	P	0 #		
Client Pro Sample L Order co	oject Name: ocation: mment:	Rondout Creek Site #2, grab						
Order 1D:	121143	Sample Number	215178			Sample Type:	Surface Wat	ter
Sample C Date/Time 5/16/2014 Sample C	collected By: e sample colle 10:15 comment: FC	Ralph Swenso acted: rec'd at 10.9 deg (on Date/Time 5/16/2014 C.	sample receiv 14:10	ved:	Received by: Amy Jo		
Paramete Solids, Se Total Sus Results (er: ettleable pended Solids Comment:	Test	Result < 0.1 4	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test D 5/16/20 5/20/20	a te/Time 14 16:45 14	Tech** LAE LAE

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	æ					
	420 Broadwa	ау						
	Kingston	NY	′ 124	01		PO #		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #3, grab						
Order co	mment:							
Order ID:	121143	Sample Number	215179			Sample Type:	Surface Wa	iter
Sample C	collected By:	Ralph Swense	on					
Date/Tim	e sample coll	ected:	Date/Time	sample re	ceived:	Received by:		
5/16/2014	10:21		5/16/2014	1 4 :	10	Amy Jo		
Sample C	Comment: FC	rec'd at 12.8 deg	С.					
Paramete	ar:	Test	Result	Units	Test Metho	d Test i	Date/Time	Tech**
Solids, Se	ettieable		< 0.1	mL/L	SM20 2540	F 5/16/2	.014 16:45	LAE
Total Sus	pended Solids	k	2	mg/L	SM20 2540	D 5/20/2	014	LAE
Results (Comment:							

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	28					
	Kingston	₽y NY	′ 124	01	Р	0 #		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #4, grab						
Order co	mment:							
Order ID:	121143	Sample Number	215180			Sample Type:	Surface Wa	ter
Sample C	collected By:	Ralph Swense	on					
Date/Tim	e sample coll	ected:	Date/Time	sample recei	ved:	Received by:		
5/16/2014	10:30		5/16/2014	14:10		Amy Jo		
Sample C	comment: FC	rec'd at 13.4 deg	С.					
Paramete	er:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ettieable		< 0.1	mL/L	SM20 2540F	5/16/20)14 16:45	LAE
Total Sus	pended Solids	6	4	mg/L	SM20 2540 D	5/20/20	014	LAE
Results (Comment:							

5

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	aton Engineers Offic Adin	e					
	Kingston	ay NY	124	01		PO #		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #5, grab						
Order co	mment:							
Order ID:	121143	Sample Number:	215181			Sample Typ	e: Surface	Water
Sample C	ollected By:	Ralph Swenso	n					
Date/Time	e sample coll	ected:	Date/Time	sample	received:	Received b	oy:	
5/16/2014	10:45		5/16/2014	1	4:10	Amy Jo		
Sample C	comment: FC	C rec'd at 13.9 deg C	2.					
Paramete) r :	Test I	Result	Units	Test Metho	od Te:	st Date/Time	e Tech**
Solids, Se	ttleable		< 0.1	mL/L	SM20 2540)F 5/1	6/2014 16:4	45 LAE
Total Sus	pended Solids	5	5	mg/L	SM20 2540	D 5/2	0/2014	LAE
Results 0	Comment:							

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	æ				
	Kingston	NY	124	01	PO	#	
Client Pro	oject Name:	Rondout Creek					
Sample L	ocation:	Site #6, grab					
Order co	mment:						
Order ID:	121143	Sample Number:	215182		\$	Sample Type: Sur	face Water
Sample C	Collected By:	Ralph Swenso	on				
Date/Tim	e sample colle	ected:	Date/Time	sample receiv	ved:	Received by:	
5/16/2014	10:35		5/16/2014	14:10		Amy Jo	
Sample C	Comment: FC	rec'd at 13.7 deg (D.				
Paramete	er:	Test	Result	Units	Test Method	Test Date/	Time Tech**
Solids, Se	ettleable		< 0.1	mL/L	SM20 2540F	5/16/2014	16:45 LAE
Total Sus	pended Solids		< 1	mg/L	SM20 2540 D	5/20/2014	LAE
Results (Comment:						

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offi	ce .						
	Attn: Alan A	din							
	420 Broadwa	ау							
	Kingston	N	12	.401		۲	0#		
Client Pro	oject Name:	Rondout Creek							
Sample L	ocation:	Site #7, grab							
Order co	mment:								
Order ID:	121143	Sample Number	: 215183				Sample Type:	Surface Wa	iter
Sample C	ollected By:	Ralph Swens	on						
Date/Time	e sample coll	ected:	Date/Tim	e sampl	e received:		Received by:		
5/16/2014	11:09		5/16/2014	4	14:10		Amy Jo		
Sampie C	omment: FC	red' at 12.9 deg C							
Paramete	er:	Test	Result	Units	1	est Method	Test D	ate/Time	Tech**
Solids, Se	ttleable		< 0.1	mL/L	\$	SM20 2540F	5/16/20	014 17:05	LAE
Total Sus	pended Solids		3	mg/L	5	SM20 2540 D	5/20/20	014	LAE
Results C	Comment:								
	0	0 <							

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	æ					
	Attn: Alan A	din						
	420 Broadwa	У						
	Kingston	NY	124	01	F	°O #		
Client Pro	ject Name:	Rondout Creek						
Sample Lo	ocation:	Duplicate, grab						
Order col	mment:							
Order ID:	121143	Sample Number:	215184			Sample Type:	Surface Wat	er
Sample C	ollected By:	Ralph Swenso	on					
Date/Time	e sample colle	ected:	Date/Time	sample rec	eived:	Received by:		
5/16/2014	10:15		5/16/2014	14:1	0	Amy Jo		
Sample C	omment: FC	rec'd at 15.8 deg (C.					
Paramete	r:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ttieable		< 0.1	mL/L	SM20 2540F	5/16/20	014 17:05	LAE
Total Susp	ended Solids		2	mg/L	SM20 2540 D	5/20/20)14	LAE
Results C	omment:							

Reviewed by: Lab Manager, ELAP Lab ID #10924

10-Jun-14

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4 Scenic Drive	3	, ,		HAI	N OF CL	STODY		Login R Amt Du	leview:		
Hyde Park, NY 12538-1313 Phone: 845-229-6536 Fax: 845-229-6538	Turnaround Time: St RUSH [] (Rush surc ** Date report reques	andard [harge a led:	√] pplies)			Copy resu Local Hea Yes	lts to lth Dept. No 🗸	Amt Pai Pmt Me Receint	id: thod :		
Client Name: OF KINO	JSTON	Clie	ent Phor	ie No: {	45-334-396		Project/Facility Name:	RONDOUT CRE	哭		
Mailing Address:420 BROA	DWAY	Clie	ont Fax	No.:			Location:		• [
KINGSTON, NY 1240	01	Cop	y Repo	rt To:	RALPH SW	ENSON	PWS Fed ID No:	NY-			
LAB USE ONLY CI	LIENT: COMPLETE T	HE SAN	MPLE	NFOR	MATION IP	THE SPA	CE PROVIDED BELOW	V	a / 1		
Duder ID No: Sample Id	entification &		(Check	(One)	Treatment	Date/Time	Analysis		LAB	USE ON	VLY
Sample No:	ple Point Mat	rix Gr	b Com # hrs	p Firs	Type &	Sampled	Requested	Container & Preservative	Y/N	Temp,	Pres, at Lab
2151773 SITE #1	SV	×				10:02	SS/TSS	-ILPLAS	5	1.71	7
178 SITE #2	SW	x /				1012	SS/TSS	2-JLPLAS	>	11	TC.
(775 SITE #3	SW	×				1201	SS/TSS	1+LPLAS	8	111-1	+
(80) SITE #4	SW	×				05 01	SS/TSS	1-ILPLAS	21	10.5	-
1814 SITE #5	SW	×				inus	SS/TSS	2-JLPLAS	11	710.6	
18 5 SITE #6	SW	×				1035	SS/TSS	-ILPLAS	ü	10.8	-
(835 SIIE #7	SW	×				1109	SS/TSS	2-JLPLAS	2	101	
1842 DUPLICATE	SW	×				5101	55/755	J-JLVLAS	+ u	8:SI	H
Sampled By: (Name) ALAN AD I	V ENGINEERING	THEC	r' -	(Title)			Thereafter a fit				
Sample Relinquished By: ALAN	No IN	ar paymen	it arranger Rece	ments are ived By-	approved in adv	ance by Smith I	Laboratory.	S HIMOTHALION ADOVE IS THE	and comple	ete to the	best of
Sample Relinquished By:		4 6	Rece	ived at La	By:	AND		Date:	(l/c/		10
Sample(s) received met the following requ Thermal Preservation: NA Yes No	lirements		-	Com	nents:	é		tet ome	un <i>t. i</i> la		
Chemical Preservation: NA Yes No											
Other				Γ					5	4	

Attach nt 1 - Samplir	ng Event Summary Shee	t			
Initia s:	AA.		Date:	5.20.12 Page of	
Samoling Team:	J. PODESZEDLIK/	A.Adin / A. Windle			
Weaher:	clear 1		Temperature: 70		
Direstion of Flow:	OUT EASTERLY	-	<u>-</u>		
Sampling Location	Time	Field Parameter	Physical Observations	Comments	
#1 MID-PONDONT	LAT 41.906	DO 9.4 mg/L	Grease NDME	INDEONT - EXSTERLY OF	
WEREAM OF	LONG 74.004	temperature 17.7°C	Floatables	FEENET DRY DOCK	
WILBUR OUTFALL	10:43A.		Odors NOW	(STICKS, LEAVES, VEGETATIVE MATTER)	
#2 MID-RONDONT	LAT 41.912	DO 9.4 mg/L	Grease NOME	TIPE OUT - EASTERLY	
OF BLOCKPR	LONG 73.992	temperature 17.2 C	FloatablesATTE	SOYDS SOUTHER OF CONSIDER IT	
	10:55. Am		Odors NONE.		
#3 MIDCREEK	LAT 41.915	DO 9.5-19/L	Grease Nonf	TIDE OUT EASTORY	
.2150 YOS WSTREAM	LONG 73.985	temperature 16.9 °C	Floatables MON ERATE	25 YOS SOUTHERRY of SILL	
OF \$010 BRIDGE	11:05A		Odors	WEAR SSLAND DUCK BULKHEAD	
#4 mDCREEK	LAT 41.919	DO 9.6 mg/L	Grease Nowf.	TIDEOUT EASTERLY	
2200 YDS	LONG 73,479	temperature 16.8 °C.	Floatables Low	SO YDS SOUTHBRUY OF STEELTHOUSE	
NEW BRIDGE	11:20A,		Odors NONE	PATIO	
#5 MID CREEL	LAT 41.922	DO 9.6 mg/c	Grease NOME	TIDE OUT EASTERLY	
UPSpeartin of PK	LONG 73.970	temperature 16,9°C	Floatables NONE	SO YUS IN THEZEY OF THE	
LEINESTON	11:30A.		Odors NONE.		
#6 MID CREEK.	LA+ A1.918	DO 9.8 mg/L	Grease NONE	TIDE OUT FASTORLY - STORY	
UNDER NEN	LONG 73.981	temperature 16.5. °C	Floatables HEAV V.	IND COFFR. SOYOS SOTTHERY OF	
BRIDGE	11:12A.		Odors Nove	CLEARWATER SHED DONBLE SUDE DODES	
#7 UPS REAMOR	LAT, 41.885	DO 88 m/L	Grease NONE	TERENTEASTERLY - WESTERLY FLOW R	Sas del
EDDYVILLE DAME	Low6, 74.030	temperature 18.1°C	Floatables Nowf	END OF BOAT LAVENCH . MID	
LAN NGH	12:05-9		Odors NONE	CREEK/SITE UNCETTED BY TIDE	
AS DUPE	SITE #3	DO /	Grease	SITE #3	
	· · · · ·	temperature	Floatables] [
		6	Odors		
	A second s	and the second division of the second divisio			

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office									
	Attn: Alan Adin									
	420 Broadway									
	Kingston	NY 12401		PO #						
Client P	Project Name:	Rondout Cree	łk							
Sample Type: Order comment: Order ID:		Surface Wate	r							
		121203								
Sample	Number:	215283								
Sample	Location:	Site #1, grab								
Sample	Comment:	FC rec'd at 15	5.1 deg C.							
Date/Ti	me sample collected:	5/20/2014	10:43	Collected By:	Alan Adii	n				
Date/Tir	me sample received:	5/20/2014	15:45	Received by:	Amy Jo					
Date/Tir	me sample analyzed:	5/20/2014	16:30	Tech:	SS					
Parame	ter	Tee	it Result*	Units		Test Method				
Fecal C	oliform	160		CFU/100m	nL s	SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

3

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office) -				
	Kingston	NY 12401		PO #			
Client P	Project Name:	Rondout Cre	ek		- Haha- Akha		
Sample Type: Order comment: Order ID:		Surface Wat	er				
		121203					
Sample	Number:	215284					
Sample	Location:	Site #2, grat	b				
Sample	Comment:	FC rec'd at 1	6.1 deg C.				
Date/Tir	me sample collected:	5/20/2014	10:55	Collected By:	Alan Adin		
Date/Tir	me sample received:	5/20/2014	15:45	Received by:	Amy Jo		
Date/Tir	me sample analyzed:	5/20/2014	16:30	Tech:	SS		
Parame	ter	Te	st Result"	Units	Test Method		
Fecal C	oliform		190	CFU/100m	nL SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

e.

Reviewed by Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office									
	Attn: Alan Adin									
	420 Broadway									
	Kingston	NY 12401		PO #						
Client P	roject Name:	Rondout Cre	ek							
Sample Type:		Surface Wate								
Order c	omment:									
Order ID:		121203								
Sample	Number:	215285								
Sample	Location:	Site #3, grab								
Sample	Comment:	FC rec'd at 2	1.7 deg C.							
Date/Tir	me sample collected:	5/20/2014	11:05	Collected By:	Alan Adin					
Date/Tir	me sample received:	5/20/2014	15:45	Received by:	Amy Jo					
Date/Tir	ne sample analyzed:	5/20/2014	16:30	Tech:	SS					
Parame	ter	Те	st Result*	Units	Test Metho	d				
Fecal C	oliform	100		CFU/100m	nL SM 18 9222	D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office					
	Attn: Alan Adın						
	420 Broadway			"			
	Kingston	NY 12401		PQ#			
Client P	Project Name:	Rondout Cre	ek				
Sample Type:		Surface Wat	er				
Order c	omment:						
Order ID:		121203					
Sample	Number:	215286					
Sample	Location:	Site #4, gral	c				
Sample	Comment:	FC rec'd at 1	8.7 deg C.				
Date/Ti	me sample collected:	5/20/2014	11:20	Collected By:	Alan Adin		
Date/Ti	me sample received:	5/20/2014	15:45	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	5/20/2014	16:30	Tech:	SS		
Parame	ster	Te	st Result*	Units	Test Method		
Fecal C	oliform		110	CFU/100m	nL SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO #		
Client P	roject Name:	Rondout Cree	k			
Sample Type:		Surface Wate	r			
Order comment: Order ID:						
		121203				
Sample	Number:	215287				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 13	.9 deg C.			
Date/Ti	me sample collected:	5/20/2014	11:30	Collected By:	Alan Adin	
Date/Ti	me sample received:	5/20/2014	15:45	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	5/20/2014	16:30	Tech:	SS	
Parame	ter	Tee	t Result*	Units	Test Method	
Fecal Coliform		50		CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engineers Office								
	Attn: Alan Adin								
	420 Broadway								
	Kingston	NY 12401		PO #					
Client P	Project Name:	Rondout Cree	ek.						
Sample Type:		Surface Wate	F						
Order c	omment:								
Order ID:		121203							
Sample	Number:	215288							
Sample	Location:	Site #6, grab							
Sample	Comment:	FC rec'd at 20).7. deg C.						
Date/Tir	me sample collected:	5/20/2014	11:12	Collected By:	Alan Adin				
Date/Tir	me sample received:	5/20/2014	15:45	Received by:	Amy Jo				
Date/Tir	me sample analyzed:	5/20/2014	16:30	Tech:	SS				
Parame	ter	Te	st Result*	Units	Test Method				
Fecal C	oliform		90	CFU/100m	nL SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office					
	Attn: Alan Adin						
	420 Divadway	NM	49404	D0 #			
	Kingston	NY 12401					
Client P	roject Name:	Rondout Cree	ək				
Sample Type:		Surface Wate	r				
Order c	omment:						
Order ID:		121203					
Sample	Number:	215289					
Sample	Location:	Site #7, grab					
Sample	Comment:	FC rec'd at 1	5.1 deg C.				
Date/Tir	me sample collected:	5/20/2014	12:05	Collected By:	Alan Adin		
Date/Tir	me sample received:	5/20/2014	15:45	Received by:	Amy Jo		
Date/Tir	me sample analyzed:	5/20/2014	16:30	Tech:	SS		
Parame	ter	Te	st Result*	Units	Test Method		
Fecal C	oliform		150	CFU/100m	nL SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

1

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office					
	420 Broadway						
	Kingston	NY 12401		PO #			
Client P	Project Name:	Rondout Cree	ek	74		 -	
Sample	Type:	Surface Wate	эг				
Order c	omment:						
Order ID:		121203					
Sample	Number:	215290					
Sample	Location:	Duplicate, gra	ab				
Sample	Comment:	FC rec'd at 2	1.1 deg C.				
Date/Th	me sample collected:	5/20/2014	11:05	Collected By:	Alan Adin		
Date/Tin	me sample received:	5/20/2014	15:45	Received by:	Amy Jo		
Date/Tla	me sample analyzed:	5/20/2014	16:30	Tech:	SS		
Parame	ter	Te	st Result*	Units	Те	st Method	
Fecal C	oliform		60	CFU/100m	nL SM	18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Cilent:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Water			
Order c	omment:				
Order II	D:	121203			
Sample	Number:	215309			
Sample	Location:	Blank-QC			
Sample	Comment:	Rinsed with	100 mL buffered	rinse water.	
Date/Tir	ne sample collected:	5/20/2014	16:30	Collected By:	
Date/Tir	me sample received:	5/20/2014	16:30	Received by:	Amy Jo
Date/Tir	ne sample analyzed:	5/20/2014	16:30	Tech:	SS
Parame	tər	T	est Result*	Units	Test Method
Fecal C	oliform		< 1	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	City of Kingston Engineers Office Attn: Alan Adin							
	420 Broadwa Kingston	ay Ni	124	01	PO #	PO#000203	300-01		
Client Pro	oject Name:	Rondout Creek							
Sample L	ocation:	Site #1, grab							
Order co	mment:								
Order ID:	121203	Sample Number	: 215283		Sa	mple Type:	Surface Wa	ter	
Sample C	ollected By:	Alan Adin							
Date/Tim	e sample coli	ected:	Date/Time sample received:		ed: R	d: Received by:			
5/20/2014	10:43		5/20/2014	15:45	A	my Jo			
Sample C	comment: FC	rec'd at 15.1 deg	С.						
Deservete		Toet	Result	Units	Test Method	Test D	ate/Time	Tech**	
Paramete	PF:	Icar	< 0.1	ml /l	SM20 2540F	5/21/20	014 11:05	LAE	
Solids, Se	ettieadie		< 0.1	me/l	SM20 2540 D	5/21/2	014	LAE	
Total Sus	pended Solids		5	my/L	010120 2040 0	0/2 //2			
Results (Comment:								

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit, MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A 420 Broadwa Kingston	ton Engineers Offic din ay NY	e 1240	01	PC)# PO#00020	300-01	
Client Pr Sample L Order co	oject Name: _ocation: omment:	Rondout Creek Site #2, grab						
Order ID	: 121203	Sample Number:	215284			Sample Type:	Surface Wa	ter
Sample (Date/Tim 5/20/2014 Sample (Collected By: ne sample coll 4 10:55 Comment: FC	Alan Adin ected: ; rec'd at 16.1 deg (Date/Time 5/20/2014 C.	sample recei v 15:45	ed:	Received by: Amy Jo		
Paramet Solids, S Total Sus	er: ettleable spended Solids Comment:	Test	Result < 0.1 7	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test I 5/21/2 5/21/2)ate/Time 014 11:05 014	Tech** Lae Lae

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Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	ce .					
	420 Broadwa Kingston	IY NY	y 124	01	PC)# PO#00020	300-01	
Client Pr Sample L Order co	oject Name: Location: comment:	Rondout Creek Site #3, grab						
Order ID	: 121203	Sample Number:	: 215285			Sample Type:	Surface Wa	ter
Sample (Date/Tim 5/20/2014 Sample (Collected By: ne sample colle 4 11:05 Comment: FC	Alan Adin acted: rec'd at 21.7 deg (Date/Time 5/20/2014 C.	sample rece 15:45	ived:	Received by: Amy Jo		
Paramet Solids, S Total Sus Results	er: ettleable spended Solids Comment:	Test	Result < 0.1 2	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test D 5/21/20 5/21/20)ate/Time 014 11:05 014	Tech ** LAE LAE

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	e					
	420 Broadwa Kingston	ay NY	124	01	PO	# PO#000203	300-01	
Client Pr Sample L Order co	oject Name: _ocation: omment:	Rondout Creek Site #4, grab						
Order ID	: 121203	Sample Number	215286		S	ample Type:	Surface Wa	ter
Sample (Date/Tim 5/20/2014 Sample (Collected By: ne sample coll 4 11:20 Comment: FC	Alan Adin ected: Crec'd at 18.7 deg	Date/Time 5/20/2014 C.	sample receiv 15:45	ed:	Received by: Amy Jo		
Paramet Solids, S Total Sus Results	er: ettleable spended Solids Comment:	Test	Result < 0.1 6	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test D 5/21/20 5/21/20) ate/Time 014 12:15 014	Tech** LAE LAE

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A 420 Broadwa Kingston	ton Engineers Offic din ay NY	ce 124	01	Ρ	0 # PO#00020	300-01	
Client Pr Sample L Order co	oject Name: Location: omment:	Rondout Creek Site #5, grab						
Order ID	: 121203	Sample Number	: 215287			Sample Type:	Surface Wa	ter
Sample (Date/Tim 5/20/2014 Sample (Collected By: ne sample coll 4 11:30 Comment: FC	Alan Adin ected: ; rec'd at 13.9 deg i	Date/Time 5/20/2014 C.	sample rec 15:4	eived: 5	Received by: Amy Jo		
Paramet Solids, S Total Sus	er: settleable spended Solids	Test	Result < 0.1 2	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test D 5/21/20 5/21/20	a te/Time)14 12:15)14	Tech** LAE LAE

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	ce .					
	420 Broadwa Kingston	ay NY	۲ 124 ۲	01	P	D # PO#00020	300-01	
Client Pro Sample L Order co	oject Name: ocation: mment:	Rondout Creek Site #6, grab						
Order ID:	121203	Sample Number	: 215288			Sample Type:	Surface Wa	ter
Sample C Date/Time 5/20/2014 Sample C	collected By: e sample coll 11:12 comment: FC	Alan Adin ected: ; rec'd at 20.7. deg	Date/Time 5/20/2014 C.	sample receiv 15:45	ved:	Received by: Amy Jo		
Paramete Solida, Se Total Sus	er: ettleable pended Solids	Test	Result < 0.1 1	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test D 5/21/20 5/21/20	D ate/Time D14 12:15 D14	Tech** LAE LAE
Results (Comment:							

à

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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Total number of pages in this report, including chain of custody, is $\underline{\gamma}$



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	æ					
	420 Broadwa	iy NY	· 124	01	PC)# PO#00020	300-01	
Client Pro	oject Name:	Rondout Creek		-				
Sample L	ocation:	Site #7, grab						
Order co	mment:							
Order ID:	121203	Sample Number	215289			Sample Type:	Surface Wa	ter
Sample C	collected By:	Alan Adin						
Date/Tim	e sample coll	ected:	Date/Time	sample rece	ived:	Received by:		
5/20/2014	12:05		5/20/2014	15:45		Amy Jo		
Sample (Comment: FC	rec'd at 15.1 deg	С.					
Paramete	эг:	Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ettleable		< 0.1	mL/L	SM20 2540F	5/21/2	014 12:15	LAE
Total Sus	pended Solids		3	mg/L	SM20 2540 D	5/21/2	014	LAE
Results (Comment:							

no

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	e					
	Attn: Alan A	din						
	420 Broadwa Kingston	NY NY	124	01	P	O # PO#00020	300-01	
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Duplicate, grab						
Order co	mment:							
Order ID:	121203	Sample Number:	215290			Sample Type:	Surface Wat	er
Sample C	ollected By:	Alan Adin						
Date/Time	a sample coll	ected:	Date/Time	sample receiv	red:	Received by:		
5/20/2014	11:05		5/20/2014	15:45		Amy Jo		
Sample C	comment: FC	rec'd at 21.1 deg (D.					
Paramete) r:	Test	Result	Units	Test Method	Test	Date/Time	Tech**
Solids, Se	attleable		< 0.1	mL/L	SM20 2540F	5/21/2	014 12:15	LAE
Total Sus	pended Solids		3	mg/L	SM20 2540 D	5/21/2	014	LAE
Results C	Comment:							

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jun-14

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						nts:	Comme				ne: NA Yes No	sample(s) received Thermal Preservatio Chemical Preservati Correct Bottle Type
5	Time: 15	14	Date: 5/29		XIF	y:(red at Lab B	Receiv	1	4 (By:	ample Relinquished
	Time:		Date:		Park		red By:	Receiv	ļ	2	BY TRAN AD	ample Relinquished
best of	mplete to the	and com	formation above is true	CCH. I hereby affirm that the in: aboratory.	nce by Smith L	Proved in adva	(Title)	ent arrangem	her paym	le for payment, unless of	o affirm that I am responsit	ampled By: (Name ny knowledge. I als
	No. Lenk									-	1	
H	- NIN	H	1-11 PLAST	s5/75>	11:05 A					SA	DUPLICATE	12901
	188/20	-	17-ILPLAS 1-1/21 PLAST	SS/TSS	12:05P				×	VS SA	SITE #7	289
	8/0.21		17-11 PLAS	SS/TSS	11:12A				< ~ ~	SA	SITE #6	288
- 4	5-8/2.1	-	12-11 PLAS	SS/TSS	11:30A				× ×	SV	SITE #5	287
4	12.921	-	17-11PLAS	SS/TSS	11:20A				×	SV	SITE #4	1995
	CUBU		12-ILPLAS 1-1/21 DUAST	SS/TSS	11:05A				N N	SV	SITE #3	285
-	6.61	_	12-ILPLAS	SS/TSS	10:55A				×	SV	SITE #2	12841
τ	N.S.	2	- YELPLAS	SS/TSS	10:43A			×	×	IS	SITE #1	2152834
Pres. at Lab Y/N	Sample Temp, Deg C	Iced Y/N	Container & Preservative 4-	Analysis Requested	Date/Time Sampled S:20 .14	Treatment Type & Residual	Jne) First Draw	(Check (rab Comp # hrs	rix G	ation & Mar	Sample Identific Sample Poi	12/203 Sample No:
VLY	B USE ON	LAB		E PROVIDED BELOW	THE SPAC	TION IN	FORMA	MPLE IN	HE SA	T: COMPLETE T	CLIEN	AB USE ONLY Order ID No:
			Y-	_ PWS Fed ID No: N	NSON	LPH SWE	To:RA	py Report	C.		STON, NY 12401	KING
		* 6		Location:	1			ent Fax No	Cli	1Y	s:420 BROADWA	Mailing Address
		* .	RONDOUT CREE	Project/Facility Name:F		-334-3968_	No: 845-	ent Phone	Cli		_CITY OF KINGSTO	Client Name: _
		lo:	Receipt h	No V				(condda	led:	Date report request	1-6538 **	Fax: 845-229
			Amt Paic	sto	Copy result				andard	maround Time: St	12538-1313 Tu	Hyde Park, NY Phone: 845-770
	C		Amt Due					(4 Scenic Drive

nitial ::	AJA		_ Date:	<u>5.27.14</u> Page of
Sampling Team:	A. ADIN/R. SWEN	SON/A. WINCHELL	_	
Neather:	WESTLY SOUM.	/	Temperature: HIGH 7	10° 40~ 50°
Direction of Flow:			-	
Sampling Location	Time	Field Parameter	Physical Observations	Comments
F1 - UNID ROMANIT	LAT 41 906	DO 8.9 . 9/L	Grease NONE	TIDE - H MESTERING EASTERBY SLACK
CREEK 1-250 YDS	LONG 7-4.00-4.	temperature 21.4°C	Floatables MODERATE	10 YDS WESTERLY OF FEENEY DRY DOCK
HUBUR OUTFALL	11:42 A		Odors NONE	WEGETA TIVE MATTER-SMALL
ELIMIN RONOUT	LAT 41.912	DO 88 mg/L	Grease NOME	TIDE- WESTERY WE EASTERING SLA
F BLOCK PARK	LONG 73.992	temperature 21.9°C	Floatables LIGHT	CULVEETS
	11 54A		Odors NONE	VEGETATIVE MATTER
3-MID REPADOUT	CAT-41.9149	DO 8.9 mg/L	Grease NOWE	TIDE-IN TESTELY OUT SASTELY SLI
PSTREAMON DO	LONG -73,985	temperatureZ1.0°C	Floatables LIGHT	25 YOS SOUTHERLY OF STEEL BOILER PROPENDING FROM WATER NEAR
BRIDGE	12:01 PM		Odors NONE	ISLAMUS DOCK BUCKHED / VEGGIE MATTER
#4 MID CREEK RONOW	LAT 41.919	DO 9.2 mg/L.	Grease NOWE	SO VOS SOUTHERLY OF STEELIOUST
NE NEW BRIDGE	LONG 75,974	temperature 20.8°C.	Floatables L (GHT	PATTO GAS CANE CROSSING SIGN
	12:12 pm		Odors NOME	STEELHOUSE PATIO
5 MID RONDOUT	LAT 41.922	DO 83 mg/L	Grease NONE	TIDE - OUT EASTERLY SLACK
NEEK WSPREAM	LONG 73.969	temperature 21.1°C	Floatables McDizate	SHED DOUBLE SLIDE DODES CATS
	12:2 105 PM		Odors	LINE CROSSING SIGN FROM.
+6 MID . ROUDOUT	LAT 41,917	DO 9.1 mg/L	Grease NO ME	TIDE OUT EASTERY SLACK
CREEK VIDER NEW BRIDGE	LONG - 73.981	temperature 20.8 °C	Floatables LIGHT	SUCH DONBLE 3LIDÉ DOORS
Uprest	12:07 PM.		Odors NONE	VEG. MATTER.
t7 UPSTREAM OF	LAT 41.885	DO 8.5 m/L	Grease NONE	The own was the provider that the
EDDYVILLE DAMC	LONG 79.030	temperature 21.0°C	Floatables MODERAN	RUADOUT CREEK /SITE UN-
MISSEC LANNUH	1:05P toppon		Odors NONE	VEGETATIVE WATTER / EFFECTED BY TIDE
DUPE-	SITE #4	DO	Grease	SITE # 4
		temperature	Floatables	
			Odors	



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway	NIX 4	0404	PO	\ #	
	Kingston	NT	2401	FC		
Client F	Project Name:	Rondout Cree	k			
Sample	Туре:	Surface Wate	r			
Order c	omment:					
Order II	D:	121320				
Sample	Number:	215527				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 16	5.6 deg C			
Date/Ti	me sample collected:	5/27/2014	11:42	Collected By:	Alan Adin	
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina	
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS	
Parame	ətər	Tes	st Result*	Units	Test Method	
Fecal C	oliform		30	CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	420 Broadway				
	Kingston	NY	12401	PO	#
Client F	Project Name:	Rondout Cree	k		
Sample	Type:	Surface Wate	r		
Order c	omment:				
Order II	D:	121320			
Sample	Number:	215528			
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 15	5.6 deg C		
Date/Ti	me sample collected:	5/27/2014	11:54	Collected By:	Alan Adin
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS
Parame	əter	Tes	st Result*	Units	Test Method
Fecal C	oliform		20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office			
	Alth. Alah Aulu 420 Broadway				
	Kingston	NY 1	2401	PO) #
Client F	Project Name:	Rondout Cree	k		
Sample	Type:	Surface Wate	r		
Order c	omment:				
Order II	D:	121320			
Sample	Number:	215529			
Sample	Location:	Site #3, grab			
Sample	Comment:	FC rec'd at 17	.6 deg C		
Date/Ti	me sample collected:	5/27/2014	12:01	Collected By:	Alan Adin
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS
Parame	ətər	Tes	t Result*	Units	Test Method
Fecal C	oliform		40	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office			
	420 Broadway				
	Kingston	NY	12401	PO) #
Client P	Project Name:	Rondout Cree	ek		
Sample	Type:	Surface Wate	€r		
Order c	comment:				
Order II	D:	121320			
Sample	Number:	215530			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 1	5.8 deg C		
Date/Ti	me sample collected:	5/27/2014	12:12	Collected By:	Alan Adin
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS
Parame	əter	Te	st Result*	Units	Test Method
Fecal C	coliform		50	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client F	Project Name:	Rondout Cree	ik			
Sample	Туре:	Surface Wate	r			
Order c	comment:					
Order II	D:	121320				
Sample	Number:	215531				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 17	'.3 deg C			
Date/Ti	me sample collected:	5/27/2014	12:22	Collected By:	Alan Adin	
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina	
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS	
Parame	ətər	Tes	t Result*	Units	Test Method	
Fecal C	oliform		180	CFU/100m	1L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office			
	Attn: Alan Adin				
	420 Broadway	NY	12401	PC	. #
	Kingston		12401	PC	
Client P	roject Name:	Rondout Cree	ık		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121320			
Sample	Number:	215532			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 15	i.3 deg C		
Date/Tir	me sample collected:	5/27/2014	12:07	Collected By:	Alan Adin
Date/Tir	me sample received:	5/27/2014	14:40	Received by:	Karolina
Date/Tir	ne sample analyzed:	5/27/2014	15:50	Tech:	SS
Parame	ter	Тө	t Result*	Units	Test Method
Fecal C	oliform		30	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-May-14

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CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway				
	Kingston	NY	12401	PC) #
Client F	Project Name:	Rondout Cree	ek		
Sample	Type:	Surface Wate	F		
Order c	omment:				
Order II	D:	121320			
Sample	Number:	215533			
Sample	Location:	Site #7, grab			
Sample	Comment:	FC rec'd at 14	4.8 deg C		
Date/Ti	me sample collected:	5/27/2014	13:05	Collected By:	Alan Adin
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		40	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab iD #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office						
	Kingston	NY	12401	PO #				
Client P	Project Name:	Rondout Cree	łk					
Sample	Туре:	Surface Wate	r					
Order c	omment:							
Order II	D:	121320						
Sample	Number:	215534						
Sample	Location:	Duplicate, gra	ıb					
Sample	Comment:	FC rec'd at 17	7.0 deg C					
Date/Ti	me sample collected:	5/27/2014	12:12	Collected By:	Alan Adin			
Date/Ti	me sample received:	5/27/2014	14:40	Received by:	Karolina			
Date/Tir	me sample analyzed:	5/27/2014	15:50	Tech:	SS			
Parame	ter	Tes	st Result*	Units	Test Method			
Fecal C	oliform		100	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PO)#	
Client F	Project Name:	Rondout Cre	ek			
Sample	Туре:	Water				
Order c	omment:					
Order II	D:	121320				
Sample	Number:	215728				
Sample	Location:	Blank-QC				
Sample	Comment:	100 mL buffe	ered rinse water use	ed		
Date/Ti	me sample collected:	5/27/2014	15:50	Collected By:		
Date/Ti	me sample received:	5/27/2014	15:50	Received by:	Karolina	
Date/Ti	me sample analyzed:	5/27/2014	15:50	Tech:	SS	
Parame	ter	Te	est Result*	Units	Төз	st Method
Fecal C	oliform		< 1	CFU/100m	nL SM	18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

1

Reviewed by: Leb Manager, ELAP Lab ID #10924

30-May-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	e						
	420 Broadwa Kingston	iy NY	124	01		P	0 #		
Client Pro Sample L Order co	oject Name: ocation: mment:	Rondout Creek Site #1, grab							
Order ID:	121320	Sample Number:	215527				Sample Type:	Surface Wa	ter
Sample C Date/Time 5/27/2014 Sample C	collected By: e sample colle 11:42 Comment: FC	Alan Adin ected: ; rec'd at 16.6 deg (Date/Time 5/27/2014	sample 1	received: 4:40		Received by: Karolina		
Paramete Solids, Se Total Sus	er: ettleable pended Solids	Test	Result < 0.1 < 1	Units mL/L mg/L		Test Method SM20 2540F SM20 2540 D	Test E 5/28/20 5/29/20	Date/Time 014 17:00 014	Tech** LAE SW

Results Comment:

Reviewed by. Lab Manager, ELAP Lab ID #10924

11-Jun-14

Key: < Less than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Offic	æ					
	420 Broadwa Kingston	ay NY	ý 124	01	P	0 #		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #2, grab						
Order co	mment:							
Order ID:	121320	Sample Number	: 215528			Sample Type:	Surface Wa	ter
Sample C	ollected By:	Alan Adin				B		
Date/Time	e sample coll	ected:	Date/Time	sample receive	əd:	Received by:		
5/27/2014	11:54		5/27/2014	14:40		Karolina		
Sample C	comment: FC	rec'd at 15.6 deg	С				_	
Paramete		Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ettieable		< 0.1	mL/L	SM20 2540F	5/28/20	14 17:00	LAE
Total Sus	Total Suspended Solids		3	mg/L	SM20 2540 D	5/29/20)14	SW
Results (Comment:							

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst Attn: Alan Ad	on Engineers Offic din	e						
	420 Broadwa Kingston	y NY	124	01		P	D #		
Client Pro Sample Lo Order cor	ject Name: ocation: mment:	Rondout Creek Site #3, grab							
Order ID:	121320	Sample Number:	215529				Sample Type:	Surface Wat	ter
Sample Co Date/Time 5/27/2014 Sample C	ollected By: sample colle 12:01 omment: FC	Alan Adin acted: rec'd at 17.6 deg C	Date/Time 5/27/2014	sample 1	received: 4:40		Received by: Karolina		
Paramete Solids, Se Total Susp	r: ttleable bended Solids	Test	Result < 0.1 2	Units mL/L mg/L		Fest Method SM20 2540F SM20 2540 D	Test D 5/28/20 5/29/20	a te/Time)14 17:00)14	Tech** LAE SW

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offic din	e						
	420 Broadwa Kingston	NY NY	124	01		PC) #		
Client Pro Sample L Order co	ilient Project Name: Rondout Creek sample Location: Site #4, grab)rder comment: Vrder ID: 121320 Sample Numbe								
Order ID:	121320	Sample Number:	215530				Sample Type:	Surface Wate	ər
Sample C Date/Time 5/27/2014 Sample C	ollected By: sample colle 12:12 comment: FC	Alan Adin ected: ; rec'd at 15.8 deg (Date/Time 5/27/2014 C	sample n 14	eceived: :40		Received by: Karolina		
Paramete Solids, Se Total Sus	er: attleable pended Solids	Test	Result < 0.1 3	Units mL/L mg/L	Tes SM SM	st Method 120 2540F 20 2540 D	Test D 5/28/20 5/29/20	e ate/Time 014 17:00 014	Tech** LAE SW

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

Key: <= Iess than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A 420 Broadwa Kingston	ton Engineers Offic din ay NY	e 124	01		PO #		
Client Pro Sample L Order co	lient Project Name: Rondout Creek ample Location: Site #5, grab rder comment: rder ID: 121320 Sample Numbe							
Order ID:	121320	Sample Number:	215531			Sample Type:	Surface Water	
Sample (Date/Tim 5/27/2014 Sample (Collected By: e sample coll 4 12:22 Comment: FC	Alan Adin ected: ; rec'd at 17.3 deg (Date/Time 5/27/2014 C	sample r 14	eceived: ⊵40	Received by: Karolina		
Paramet Solids, S Total Sus	er: ettleable spended Solids	Test	Result < 0.1 14	Units mL/L mg/L	Test Me SM20 25 SM20 25	thod Test I 540F 5/28/2 540 D 5/29/2)ate/Time Tec 014 17:00 LA 014 S ¹	ch** AE W

Results Comment:

11-Jun-14

Reviewed by: Lab Manager, ELAP Lab ID #10924

Key: <= less than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingsi Attn: Alan Ad	ton Engin ee rs Offic din	æ					
	Kingston	iy NY	124	01		PO #		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #6, grab						
Order co	mment:							
Order ID:	121320	Sample Number:	215532			Sample Type:	Surface Wa	ter
Sample C	ollected By:	Alan Adin						
Date/Time	e sample colle	ected:	Date/Time	sample rec	eived:	Received by		
5/27/2014	12:07		5/27/2014	14:4	0	Karolina		
Sample C	omment: FC	rec'd at 15.3 deg (
Paramete	r:	Test	Result	Units	Test Meth	od Test	Date/Time	Tech**
Solids, Se	ttleable		< 0.1	mL/L	SM20 254	OF 5/28/2	2014 17:00	LAE
Total Sus	Total Suspended Solids		< 1	mg/L	SM20 2540) D 5/29/2	2014	SW
Describes O	a mana anti-							

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

Key: <= less than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A 420 Broadwa Kingston	iton Engineers Offici din ay N	ce (124	01		PO #		
Client Pro	oject Name:	Rondout Creek						
Sample L	ocation:	Site #7, grab						
Order co	mment:							
Order ID:	121320	Sample Number	: 215533			Sample Type:	Surface Wat	ter
Sample C	ollected By:	Alan Adin						
Date/Time	e sample coli	ected:	Date/Time	sample r	eceived:	Received by:		
5/27/2014	13:05		5/27/2014	14	1:40	Karolina		
Sample C	omment: FC	rec'd at 14.8 deg	с					
Paramete) r :	Test	Result	Units	Test Metho	d Test I	Date/Time	Tech**
Solids Se	ttleable		< 0.1	mL/L	SM20 2540	F 5/29/2	014 10:00	LAE
Total Sus	Total Suspended Solids		3	mg/L	SM20 2540	D 5/29/2	014	SW

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

Key: <= less than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is ____

11-Jun-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Offic	e						
	Attn: Alan Ad	in							
	420 Broadwa	У							
	Kingston	NY	1240	D1		P	0#		
Cilent Pro	ject Name:	Rondout Creek							
Sample Lo	ocation:	Duplicate, grab							
Order col	m ment :								
Order ID:	121320	Sample Number:	215534				Sample Type:	Surface Wat	er
Sample C	ollected By:	Alan Adin							
Date/Time	sample colle	ected:	Date/Time	sample	received:		Received by:		
5/27/2014	12:12		5/27/2014		14:40		Karolina		
Sample C	omment: FC	rec'd at 17.0 deg 0	2						
Paramete	r:	Test	Result	Units		Test Method	Test C	ate/Time	Tech**
Solids. Se	ttleable		< 0.1	mL/L		SM20 2540F	5/29/20	014 10:00	LAE
Total Sus	pended Solids		4	mg/L	:	SM20 2540 D	5/29/20	014	SW

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

Key: <= less than; A=Analysis performed over holding time; B=BOD blank depletion was greater than 0.2 mg/L; C=degrees Celsius; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; T.O.N.=Threshold Odor Number at 60 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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CHAIN OF CUSTODY substrint LABORATORY Turnational Time: Standard [] Copy results to hybe Fax: 845-229-635 ProjectFacility Name: RONDOUT CREEK_ Ann Paid: Copy Report 700							į	ints:	Comme			1	quirements	met the following re	Sample(s) received Thermal Preservatio
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		(ime:	-	Date:		Labor autry.		proved in which	d By:	Receiv	∛ ∑	Trans Contra	AO IN	By ALAN	Sample Relinquished
	best of	plete to the	; and com	ation above is true	e informa	ECH I hereby affirm that the	21NG T	NGINEE	Title)			less other	AO iC	ALAN	Sampled By: (Name
SMITH LABORATORY CHAIN OF CUSTODY Lagin Review: A securit Drive Copy results to Proper regulation Copy results to No Lagin Review: Amt Paid: Proper regulation Hyde Park, NY 1233-1313 Turnaround Time: Standard () Copy results to Proper regulation Copy results to No Proper regulation Amt Paid: Proper regulation Proper regulation Amt Paid: Proper regulation Amt Paid: Proper regulation Amt Paid: Proper regulation Proper regulation Amt Paid: Proper regulation Amt Paid: Proper regulation Amt Paid: Proper regulation Amt Paid: Proper regulation Proper regulation Proper regulation Amt Paid: Proper regulation Proper regulation Amt Paid: Proper regulation Proper regu	<	0.1	9	YEL YLAN	1	211/20	-								ALCC VID
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SMITH LABORATORY CHAIN OF CUSTODY Login Review: Annt Due: 4 Scenic Drive Hyde Park, NY 12538-1313 Turnaround Time: Standard [] Copy results to Annt Due: Annt Due: Hyde Park, NY 12538-1313 RUSH [] (Rush surcharge applies) Local Health Dept. No [] Annt Due: Phone: 845-229-6538 ** Date report requested: Yes [] No [] Project/Facility Name: RONDOUT CREEK_ Fax: 845-229-6538 ** Date report requested: Client Phone No: 845-334-3968_ Project/Facility Name: RONDOUT CREEK_ Client Name: _CITY OF KINGSTON, NY 12401_ Client Fax No:: Location:	1.18	13.4	1	LPLAS	1-1-27	SS/TSS	11:54A				×	SW		SITE #2	315528.
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SMITH LABORATORY CHAIN OF CUSTODY Login Review: 4 Scenic Drive Turnaround Time: Standard [] Copy results to Amt Due: Hyde Park, NY 12538-1313 Turnaround Time: Standard [] Copy results to Amt Due: Phone: 845-229-6536 RUSH [] (Rush surcharge applies) Local Health Dept. Pmt Method : Fax: 845-229-6538 ** Date report requested: Yes [] No [V] Project/Facility Name: RONDOUT CREEK Client Name: CITY OF KINGSTON Client Phone No: 845-334-3968 Project/Facility Name:RONDOUT CREEK Mailing Address: 420 BROADWAY Client Fax No.: Location: KINGSTON, NY 12401 Copy Report To:RALPH SWENSON PWS Fed ID No: NY LAB USE ONLY KINGSTON, NY 12401 Copy Report To:RALPH SWENSON PWS Fed ID No: NY LAB USE ONLY	Pres	Sample	Iced	Container &		Analysis	Date/Time	Treatment	ne)	Check O			dentification &	Sample I	Order ID No:
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SMITH LABORATORYCHAIN OF CUSTODYLogin Review: Amt Due:4 Scenic DriveTurnaround Time: Standard \checkmark Copy results to Local Health Dept.Amt Due: Amt Due:4 Scenic DriveRUSH \square (Rush surcharge applies)Copy results to Local Health Dept.Amt Due: Pmt Method :Fax:845-229-6538** Date report requested:Yes \square No \checkmark No \checkmark Client Name:CITY OF KINGSTONClient Phone No:845-334-3968Project/Facility Name:RONDOUT CREEKMailing Address:420 BROADWAYClient Fax No.:Location:Location:Location:					-YN	PWS Fed ID No:	NSON	ALPH SWE	[0:	Report 7	Сору		10	STON, NY 124	KING
SMITH LABORATORY CHAIN OF CUSTODY Login Review: 4 Scenic Drive 4 Scenic Drive Login Review: Amt Due: Hyde Park, NY 12538-1313 Turnaround Time: Standard Copy results to Amt Paid: Phone: 845-229-6536 RUSH (Rush surcharge applies) Local Health Dept. Pmt Method : Fax: 845-229-6538 ** Date report requested: Yes No Receipt No: Client Name: CITY OF KINGSTON Client Phone No: 845-334-3968 Project/Facility Name: RONDOUT CREEK			10			Location:			ĺ	: Fax No	Client		LDWAY	s:420 BRO/	Mailing Addres
SMITH LABORATORYCHAIN OF CUSTODYLogin Review:4 Scenic Drive4Scenic DriveLogin Review:Amt Due:4 Scenic DriveTurnaround Time: Standard Copy results toAmt Due:Hyde Park, NY 12538-1313Turnaround Time: Standard Copy results toAmt Paid:Phone: 845-229-6536RUSH (Rush surcharge applies)Local Health Dept.Pmt Method :Fax: 845-229-6538** Date report requested:Yes No No Receipt No:		I	×	IDOUT CREE	RON	Project/Facility Name:		-334-3968_	No: 845	t Phone I	Client		GSTON	_CITY OF KIN	Client Name:
SMITH LABORATORY CHAIN OF CUSTODY Login Review: 4 Scenic Drive Amt Due: Amt Due: 4 Scenic Drive Turnaround Time: Standard Copy results to Amt Paid: Hyde Park, NY 12538-1313 Turnaround Time: Standard Copy results to Amt Paid: Drove 6256 Drove for the standard of the standard Copy results to Amt Paid:			10:	Receipt N			Yes			mes)	ige upp	quested	** Date report re	-6538	Fax: 845-229
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						1. gov.	2 - 2	in st	5	∧ ₹	5.00	5			

Attach 1 - Sampling Event Summary Sheet

Initials.	2-8		Date:	JUNE 3 LOCK Page of
Sampling Team:	ALAD ALLAD	R44/64	s • 51	2
Weather:	CHEAR JUNNY	CALM	Temperature: 70 >	
Direction of Flow:	OUT BANTE	RGY		
Sampling Location	Time	Field Parameter	Physical Observations	Comments
SITE #1: MID-RONDOUT	LATITOE: 41.9064	DO 84	Grease Now #	ADDONY IS YDS WESTERLY OF FEENEY DRY
UPSTREAM OF WILBUR	LONGITUDE: 74.0043	temperature 22, 3 °C	Floatables	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	,9:25 AM		Odors	FEENEY AND FEEDEN OUT
SITE # 2: MID-RONGAUT	LAT: 41.912/6	DO 8.7	Grease Noun	50 YDS SOUTHERLY OF ISLAND DOCK
OF BLOCK PARK	LONG: 73.9921	temperature 24.1 C	Floatables	CAUSEWAY CULVERTS
	9:40 Am		Odors	
SITE #3: MID-	LAT: 41,9148	DO 8.7	Grease No NE	TIDE:
APPROX, 150 YDS	LONG: - 73,9847	temperature 21.7°C	Floatables AIGHT	BOILER PROTRUDING FROM WATER NEAR
UPSTREAM OF OLD BRIDGE	9:47 Am		Odors none	VEGETATIVE MATTER
SITE #6: MID-	LAT: 41,9178	DO 8,8	Grease NOWE	TIDE: OUT
RONDOUT CREEK	LONG: 78,9812	temperature 21,4 °C	Floatables Kacat	MAINTENANCE SHED, DOUBLE SLIDE DOORS
	- 9:55 AM		Odors MONIE	VEGETATIVE MATTER
SITE #4: MID-	LAT: 41.9192	DO 8.6	Grease Nordez	TIDE: OF STEELHOUSE
RONDOUT CREEK APPROX, ZOO YDS	LON 6: 73.9790	temperature 21, 2°C	Floatables AICHT	RESTAURANT CONFRED PATIC
DOWNSTREAM OF	9:59 AM		Odors NONS	VEGETATIVE MATTER
SITE #5: MID-	LAT: 41.7220	DO 8.7	Grease Donie	TIDE OUTFERLY OF GAS LINE
RONDONT CREEK UPSTREAM OF BLOCK	LONG: 73.9695	temperature 21,4°c	Floatables LIGHT	CROSSING WARNING SIGN
PARK	19:05 AM		Odors Non	VEGETATIVE MATTIER
SITE # 7: MID-	LAT: 41.885	DO 8.0	Grease NONE	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
3/4 MILE UPSTREAM OF	LONG: 74,030	temperature 22.5	Floatables LIGHT	END BOAT LANNCH
EDDYVILLE DAM AT NYSDEL BOATLAUNCH	10:35 A		Odors NOVE	J'EGEPATIVE Not ITEK.
	LAT; H1.9220	DO 8.7	Grease NON	526 #5 COMMENTD
DUPLICATE	LONG: 73.7695	temperature 21.4 C	Floatables 4Cott	
P# 5	DEOS AM		Odors NONE	

ler

well human



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	comment:					
Order I	D:	121504			_	
Sample	Number:	215854				
Sample	Location:	Site #1, grab				
Sample	o Comment:	FC rec'd at 1	9.4 deg C.	. –		••
Date/Ti	me sample collected:	6/3/2014	9:25	Collected By:	Alan Ad	חול
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo)
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS	
Param	eter	Te	est Result*	Units		Test Method
Fecal C	Coliform		60	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office			
	Attn: Alan Adin				
	420 Broadway				
	Kingston	NY	12401	PO	#
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	121504			
Sample	Number:	215855			
Sample	Location:	Site #2, grab			
Sample Comment:		FC rec'd at 10	6.5 deg C.		
Date/Ti	me sample collected:	6/3/2014	9:40	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Paramo	ətər	Те	st Result*	Units	Test Method
Fecal C	Coliform		< 10	CFU/100m	1L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	Kingston	NY	12401	PO	*
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	121504			
Sample	Number:	215856			
Sample Location:		Site #3, grab			
Sample	a Comment:	FC rec'd at 1	6.4 deg C.		
Date/Ti	me sample collected:	6/3/2014	9:47	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	əter	Те	st Result*	Units	Test Method
Fecal C	Coliform		40	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	420 Broadway Kingston	NY	12401	PO	#
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	121504			
Sample	Number:	215857			
Sample	Location:	Site #4, grab			
Sample	or Comment:	FC rec'd at 1	8.2 deg C.		
Date/Ti	me sample collected:	6/3/2014	9:59	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	eter	Te	st Result*	Units	Test Method
Fecal C	Coliform		20	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	Kingston	NY	12401	PO	#
Client P	Project Name:	Rondout Cree	ek		
Sample	Type:	Surface Wate	er		
Order c	omment:				
Order II	D:	121504			
Sample	Number:	215858			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 1	9.6 deg C.		
Date/Ti	me sample collected:	6/3/2014	10:05	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office			
	Kingston	NY	12401	PO)#
Client P	Project Name:	Rondout Cre	ek		
Sample	Type:	Surface Wate	er		
Order c	omment:				
Order II	D:	121504			
Sample	Number:	215859			
Sample Location:		Site #6, grab			
Sample	Comment:	FC rec'd at 2	1.0 deg C.		
Date/Ti	me sample collected:	6/3/2014	9:55	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	ətər	Te	est Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	1L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY	12401	PO	#
Client F	Trojant Nama	Rondout Cree	ek		
Sample		Surface Wate	er		
Order o	comment:				
Order II	D:	121504			
Sample	Number:	215860			
Sample Location:		Site #7, grab			
Sample Comment:		FC rec'd at 2	1.8 deg C.		
Date/Ti	me sample collected:	6/3/2014	10:35	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	420 Broadway Kingston	NY	12401	PO) #
		Dendeut Cro			
Client F	Project Name:	Rondout Cree	7K Ar		
Sample	iype:	Sullace Wald	21		
Order c	omment:	121504			
Order II	D:	121304			
Sample	Number:	215861			
Sample	Location:	Duplicate/Site	e #5, grab		
Sample	Comment:	FC rec'd at 1	7.5 deg C.		
Date/Ti	me sample collected:	6/3/2014	10:05	Collected By:	Alan Adin
Date/Ti	me sample received:	6/3/2014	11:45	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS
Parame	əter	Te	st Result*	Units	Test Method
Fecal C	Coliform		50	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	420 Broadway Kingston	NY	12401	PO)#	
	Milgoton					
Client F	Project Name:	Rondout Ci	eek			
Sample	Туре:	Water				
Order o	comment:					
Order I	D:	121504				
Sample	Number:	216298				
Sample	Location:	Blank-QC				
Sample	o Comment:	100 mL bu	ffered rinse water us	sed		
Date/Ti	me sample collected:	6/3/2014	15:00	Collected By:		
Date/Ti	me sample received:	6/3/2014	15:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	6/3/2014	15:00	Tech:	SS	
Param	eter	•	Fest Result*	Units		Test Method
Fecal C	Coliform		< 1	CFU/100n	nL :	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Off	ice					
	Attn: Alan A	din						
	420 Broadwa	ау						
	Kingston	N	Y 12	401	PC)# 00020300-	01	
Client Pr	oject Name:	Rondout Creek						
Sample L	ocation:	Site #1, grab						
Order co	omment:							
Order ID:	: 121504	Sample Numbe	r: 215854			Sample Type:	Surface Wa	ater
Sample (Collected By:	Alan Adin						
Date/Tim	e sample coll	ected:	Date/Time	e sample rece	ived:	Received by:		
6/3/2014	9:25		6/3/2014	11:45		Amy Jo		
Sample (Comment: FC	rec'd at 19.4 deg	C .					
Paramete	ег:	Tes	t Result	Units	Test Method	Test D	ate/Time	Tech**
Solids, Se	ettleable		< 0.1	mL/L	SM20 2540F	6/4/20	14 16:30	JFE
Total Sus	pended Solids		5	mg/L	SM20 2540 D	6/4/20	14	SW
Results	Comment:							
		fler						

Reviewed by: Lab Manager, ELAP Lab ID #10924

16-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Office	e					
	Attn: Alan Ad	nin 						
	420 Broadwa Kingston	y NY	124	01	PO	¥ 00020300-01		
Client Pro Sample L Order co	oject Name: ocation: mment:	Rondout Creek Site #2, grab						
Order ID:	121504	Sample Number:	215855		S	ample Type: S	urface Wa	iter
Sample C Date/Time 6/3/2014 Sample C	collected By: e sample colle 9:40 comment: FC	Alan Adin acted: rec'd at 16.5 deg C	Date/Time 6/3/2014	sample rece 11:45	ived:	Received by: Amy Jo		
Paramete Solids, Se Total Sus	er: ettleable pended Solids	Test	Result < 0.1 3	<mark>Units</mark> mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test Dat 6/4/2014 6/4/2014	e/Time 16:30	Tech** JFE SW
Results (Comment:	fler						

Reviewed by: Lab Manager, ELAP Lab ID #10924

16-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings	ton Engineers Office	e					
	Attn: Alan Ad							
	420 Broadwa Kingston	NY	124	01	PO	# 00020300-	01	
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #3, grab						
Order co	mment:							
Order ID:	121504	Sample Number:	215856			Sample Type:	Surface Wat	ter
Sample C	ollected By:	Alan Adin						
Date/Time	e sample colle	ected:	Date/Time	sample receive	d:	Received by:		
6/3/2014	9:47		6/3/2014	11:45		Amy Jo		
Sample C	omment: FC	rec'd at 16.4 deg C)					
Paramete	er:	Test	Result	Units	Test Method	Test C)ate/Time	Tech**
Solids. Se	ettleable		< 0.1	mL/L	SM20 2540F	6/4/20)14 16:30	JFE
Total Sus	pended Solids		2	mg/L	SM20 2540 D	6/4/20)14	SW
Results C	Comment:	0	3					
		olun						
		8						
							16 Jun 1	4

Reviewed by: Lab Manager, ELAP Lab ID #10924

16-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Office	Ð					
	Attn: Alan Ad 420 Broadwa Kingston	y NY	124	01	Р	O # 00020300-	01	
Client Pro Sample L Order co	oject Name: ocation: mment:	Rondout Creek Site #4, grab						
Order ID:	121504	Sample Number:	215857			Sample Type:	Surface Wa	ter
Sample C Date/Time 6/3/2014 Sample C	collected By: e sample colle 9:59 comment: FC	Alan Adin ected: rec'd at 18.2 deg 0	Date/Time 6/3/2014 C.	sample receive 11:45	d:	Received by: Amy Jo		
Paramete Solids, Se Total Sus	er: ettleable pended Solids	Test	Result < 0.1 4	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test I 6/4/20 6/4/20	Date/Time 014 16:30 014	Tech** JFE SW
Results (Comment:	fin	:					
			Carl Charles Carl				16-Jun-	14

Reviewed by: Lab Manager, ELAP Lab ID #10924

16-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Offic	е					
	420 Broadwa	y .			_		14	
	Kingston	NY	124	01	P()# 00020300-0		
Client Pro	oject Name:	Rondout Creek						
Sample L	ocation:	Site #5, grab						
Order co	mment:							
Order ID:	121504	Sample Number:	215858			Sample Type:	Surface Wat	ter
Sample C Date/Time 6/3/2014 Sample C	collected By: e sample colle 10:05 Comment: FC	Alan Adin ected: : rec'd at 19.6 deg (Date/Time 6/3/2014 C.	sample received 11:45	1:	Received by: Amy Jo		
		Test	Result	Units	Test Method	Test D	ate/Time	Tech**
Paramete	er: Stiesble	1001	< 0.1	mL/L	SM20 2540F	6/4/20	14 16:30	JFE
Total Sus	pended Solids		3	mg/L	SM20 2540 D	6/4/20	14	SW
Results (Comment:	Ques						
		8					16-Jun-1	4

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Offi	ce					
	Attn: Alan Ad	חוב ער						
	Kingston	N'	r 124	01	PC	0 # 00020300-	·01	
Client Pro Sample Lo Order co	ject Name: ocation: mment:	Rondout Creek Site #6, grab						
Order ID:	121504	Sample Number	: 215859			Sample Type:	Surface Wa	iter
Sample C Date/Time 6/3/2014 Sample C	collected By: e sample colle 9:55 Comment: FC	Alan Adin acted: rec'd at 21.0 deg	Date/Time 6/3/2014 C.	sample receive 11:45	ed:	Received by: Amy Jo		
Paramete Solids, Se Total Sus	er: ettleable pended Solids	Test	: Result < 0.1 2	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test 6/4/20 6/4/20	Date/Time 014 16:30 014	Tech** JFE SW
Results (Comment:	glus	6					

Reviewed by: Lab Manager, ELAP Lab ID #10924

16-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingst	on Engineers Offic	e					
	Attn: Alan Ad	din						
	420 Broadwa	У					01	
	Kingston	NY	124	01	P0	# 00020300-		
Client Pro	ject Name:	Rondout Creek						
Sample L	ocation:	Site #7, grab						
Order co	mment:							
Order ID:	121504	Sample Number:	215860		5	Sample Type:	Surface Wa	iter
Sample C	collected By:	Alan Adin				-		
Date/Time	e sample colle	ected:	Date/Time	sample rece	ved:	Received by:		
6/3/2014	10:35		6/3/2014	11:45		Amy Ju		
Sample C	Comment: FC	rec'd at 21.8 deg (C.					
Paramete	er:	Test	Result	Units	Test Method	Test C)ate/Time	Tech**
Solids, Se	ettleable		< 0.1	mL/L	SM20 2540F	6/4/20	14 16:50	JFE
Total Sus	pended Solids		4	mg/L	SM20 2540 D	6/4/20	14	377
Results (Comment:							
		flit						
-							16-Jun-1	14

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kings Attn: Alan A	ton Engineers Offici din	ce				
	420 Broadwa Kingston	ay N'	r 124	401	PO #	00020300-01	
Client Pro Sample L Order co	iject Name: ocation: mment:	Rondout Creek Duplicate/Site #5	, grab				
Order ID:	121504	Sample Number	: 215861		Sa	ample Type: Surface	Water
Sample C Date/Time 6/3/2014 Sample C	ollected By: e sample coll 10:05 comment: FC	Alan Adin ected: crec'd at 17.5 deg	Date/Time 6/3/2014 C.	e sample rec 11:4	seived: R 5 A	Received by: Imy Jo	
Paramete	r:	Test	Result	Units	Test Method	Test Date/Time	Tech**
Solids, Se	ttleable		< 0.1	mL/L	SM20 2540F	6/4/2014 17:0	0 JFE
Total Sus	pended Solids		3	mg/L	SM20 2540 D	6/4/2014	SW
Results C	comment:	Slus	-				

Reviewed by: Lab Manager, ELAP Lab ID #10924

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		2	Review: Mgr	.ev. 4, 2/14 Data	un of Custody R	aboratory Cha	Smith L					pe Yes No	Correct Bottle Typ
-						hents:	Comm				e requirements	d met the following tion: NA Yss No ation NA Yss No	Sample(s) received Thermal Preservat Chemical Preserva
ミナ	1	1	Uate-		(SAT	By:	ived at Lab	Recei	1			ed By:	ample Relinquishe
AT A	Time Time	5/10	Date:	1	has		ved By:	Recei	1		BIN	ed By: ALAW	ample Relinquishe
e to the best of	1 complet	ine and	e information above is t	thereby affirm that the aboratory.	21 NG TEC	NG INEES	(Tide)	it arrangen	r paymer	unless othe	AD / N a responsible for payment,	ie) ALAN Iso affirm that I am	ampled By: (Nam ny knowledge. I a
	\vdash												t dol
t C	26		1-1/2 L PLAS	TSS SS	10:05-1				×	SW		DUPLICATE	0
2	21.		1-1LPLAS 1-1/2 L PLAS	SS TSS	10:35A				×	SW		SITE #7	2018
3	120		1-11PLAS 1-1/2 L PLAS	SS TSS	9:55A				×	SW		SITE #6	0.00
7 7	21.		1-112 L PLAS	SS TSS	10:05A.				×	SW		SITE #5	070
A A	1194		1-112 L PLAS	SS TSS	9:59A				×	SW		SITE #4	202
Z	18.		1-1LPLAS 1-1/2 L PLAS	SS TSS	ALA:6				×	SW		SITE #3	0.4
-	19.		1-1LPLAS 1-1/2 L PLAS	SS TSS	9:40A				×	SW		SITE #2	91 60CV
3 N	21	9	1-1LPLAS 1-1/2 L PLAS	SS TSS	9:25 A				×	SW		SITE #1	Sample NO.
C YN	D		I LOOKI T MITTO	Kednesten	(6.3-14	Type & Residual	First	# hus	Grab	Matrix	Imple Point	Sar	212
ple Pres. ip, at Lab	1 Samp	Y I Ged	Container &	Analysis	Date/Time	Treatment	ne)	Check O			Identification &	Cample	Order ID No:
SONLY	AB USE	75		? PROVIDED BELOW	THE SPACE	TION IN	FORMA	PLE INI	SAM	TE THE	TIENT: COMPLE	2	A PIGE ONIT V
			ID No: NY-	N PWS Fed	H SWENSO	fo:_RALP	Report 1	Сору			I, NY 12401	KINGSTON	
			ocation:	ov I	ingston-ny.g	aadin@k	t Email:	Client			JWAY	: 420 BROAD	ailing Address:
EEK	JT CRE	NDOL	cility Name: _RO	Project/Fa	34-3968	Vo: _845-3	t Phone N	Client			GSTON	CITY OF KIN	ient Name:
		hod :	Amt Pai Pmt Met Receipt	o Dept. 2 √	Copy results 1 Local Health Yes No		*] lies)	ard 🗸	: Stand surchai quested:	Turnaround Time RUSH [] (Rusl ** Date report re	12538-1313 -6536 -6538	icenic Drive rde Park, NY one: 845-229- x: 845-229-
			Amt Due	3	ΤΟDΥ	F CUS	AIN O	CHL				ATORY	ITH LABOR

Attach	nt 1 - Sampling Event Summary Sheet	
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Initials:	AA		Date:	6 16 14 Page of
Sampling Team: Weather: Direction of Flow:	A ADINI/A WINCHEL (LEAR OUT - EASTERN	1/C. SCHEFFEL	Temperature: HIGH, 7	² 0 ⁵ ,
	Time	Eiold Parameter	Physical Observations	Comments
Sampling Location			Crosse NOA F	TIDE: ONT EASTERLY
CREEK APPROX. 250 YOS UPSTREAM OF WILBUR	LONGITUDE: 74.004	temperature 22.4°C	Floatables Nove	APPROX. 15 YDS WESTERLY OF FEENEY DRY DOCK AT PROPERTY BUNDARY BETWEEN CEENEY AND RECYCLING BUSINESS
AVE. 0011 114	- 10:55A .		Odors North	BROWN-CLOUDY.
SITE # Z: MID-RONGOUT CREEK - UPSTREAM	LAT: 41 9/ 2 LONG: 73 992	DO 3.5 m/L	Grease NONE	50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS
OF BLOCK PARK	11-10 A.	temperature 2 0.5 0	Odors NOWE	BROWN-CLONDY!
SITE #3: MID-	LAT: 41.915	DO \$5 m/L	Grease None	25 YDS SOUTHERLY OF OLD STEEL
APPROX, 150 YDS UPSTREAM OF 0-0	LONG: 73.985	temperature 20.6°C	Floatables NONE	BOILER PROTRUDING FROM WATER NEAR ISLAND DOCK BULKHEAD
BRIDGE	11:20A		Odors NOTOC	TIDE: OVTEATERLY_
SITE #6: MID- RONDOUT CREEK	LAT: 41818 LONG: 73.981	DO 8 4 mg/L	Grease NOLE	50 YDS SOUTHERLY OF CLEARWATER MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER NEW SRIDEF	= 11:25 A		Odors Nove	BROWN-CLOUDY.
SITE #4: MID-	LAT: 41,919	DO \$.3. mg/L	Grease NONE	50 VDS SOUTHERLY OF STEELHOUSE
RONDOUT CREEK APPROX, 200 YDS	LON 6: 73.979	temperature 21.3°C	Floatables NOV	RESTAURANT CONFRED PATIO
NEW BRIDGE	1:30A		Odors NONE	THE OUT EASTERLY
SITE #5: MID- RONDONT CREEK	LAT: 41.922	DO 8.4 mg/L	Grease None	50 YOS SOUTHERLY OF GAS LINE
UPSTREAM OF BLOCK	11-40 4	temperature 21,0 0	Odors NONE	BROWN-CLANDY
SITE # 7. MID-	LAT: 01 889	DO THE MIAL	Grease NONE	FLOW: ALWAY'S EASTERLY (DOWN STREAM) - LOCATION
RONDAUT CREEK APPROX.	LON 6: 74,01	temperature 22.4 U	Floatables NUME	END BOAT LANNCH
EDDYVILLE DAM AT NYSDEL BOAT LAUNCH	12:15P		Odors NONE	BROWN-CLONDY.
	LAT: SEE	DO	Grease	CITE #7
DUPLICATE	LONG: SITE #7	temperature	Floatables))/ 7T
			Odors	

eccentleur

3



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY	12401	PO	#
Client P	Project Name:	Rondout Cree	łk		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216746			
Sample	Location:	Site #1, grab			
Sample	Comment:	FC rec'd at 13	8.4 deg C.		
Date/Ti	me sample collected:	6/16/2014	10:55	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	eter	Tes	st Result*	Units	Test Method
Fecal C	oliform		270	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office						
	Kingston	NY	12401	PO) #			
Client P	Project Name:	Rondout Cre	ek					
Sample	Туре:	Surface Wate	er					
Order c	omment:							
Order il	D:	121905						
Sample	Number:	216747						
Sample	Location:	Site #2, grab						
Sample	Comment:	FC rec'd at 1	4.9 deg C.					
Date/Ti	me sample collected:	6/16/2014	11:10	Collected By:	Alan Adin			
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo			
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS			
Parame	eter	Te	st Result*	Units	Test Method			
Fecal C	oliform		340	CFU/100m	L SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY	12401	PO) #
Client P	Project Name:	Rondout Cree	9k		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216748			
Sample	Location:	Site #3, grab			
Sample	Comment:	FC rec'd at 14	4.3 deg C.		
Date/Ti	me sample collected:	6/16/2014	11:20	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	əter	Te	st Result*	Units	Test Method
Fecal C	oliform		220	CFU/100m	1L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PO)#
Client F	Project Name:	Rondout Cree	ək		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216749			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 13	3.1 deg C.		
Date/Ti	me sample collected:	6/16/2014	11:30	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	ater	Tes	st Result*	Units	Test Method
Fecal C	oliform		320	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY 1	2401	PC)#
Client P	Project Name:	Rondout Cree	k		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216750			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 14	.8 deg C.		
Date/Ti	me sample collected:	6/16/2014	11:40	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal C	oliform		260	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	Kingston	NY	12401	PO)#
Client P	roject Name:	Rondout Cree	ŀk		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order I): at	121905			
Sample	Number:	216751			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 16	5.3 deg C.		
Date/Ti	me sample collected:	6/16/2014	11:25	Collected By:	Alan Adin
Date/Tir	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Tir	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal C	oliform		310	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	2401	PC)#
Client P	roject Name:	Rondout Cree	k		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216752			
Sample	Location:	Site #7, grab			
Sample	Comment:	FC rec'd at 16	.4 deg C.		
Date/Ti	me sample collected:	6/16/2014	12:15	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	ter	Tes	t Result*	Units	Test Method
Fecal C	oliform		240	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

5

Reviewed by: Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ik		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	121905			
Sample	Number:	216753			
Sample	Location:	Duplicate/Site	#7, grab		
Sample	Comment:	FC rec'd at 15	5.7 deg C.		
Date/Ti	me sample collected:	6/16/2014	12:15	Collected By:	Alan Adin
Date/Ti	me sample received:	6/16/2014	13:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/16/2014	15:30	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal C	oliform		360	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units:

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	PC) #	
Client P	Project Name:	Rondout Cr	eek			
Sample	Туре:	Water				
Order c	omment:					
Order II	D:	121905				
Sample	Number:	216788				
Sample	Location:	Blank-QC				
Sample	Comment:	100 mL of t	ouffered rinse water used			
Date/Ti	me sample collected:	6/1 6/2014	15:30	Collected By:		
Date/Ti	me sample received:	6/16/2014	15:30	Received by:	Amy Jo	
Date/Tli	me sample analyzed:	6/16/2014	15:30	Tech:	SS	
Parame	ətər	т	est Result*	Units		Test Method
Fecal C	oliform		< 1	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lao Manager, ELAP Lab ID #10924

18-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401	PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek		
Order ID: 121905 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 216746 Site #1, grab 6/16/2014 10:55 6/16/2014 13:30 FC rec'd at 13.4 deg 0	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 14 mg/L < 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/17/2014 SM20 2540F 6/16/2014 14:10	Tech** SW LAE
Order ID: 121905 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	Number: 216747 Site #2, grab 6/16/2014 11:10 6/16/2014 13:30 FC rec'd at 14.9 deg	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settieable	Test Result Units 12 mg/L < 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/17/2014 6/16/2014 14:10	Tech** SW LAE
Order ID: 121905 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 216748 Site #3, grab 6/16/2014 11:20 6/16/2014 13:30 FC rec'd at 14.3 deg	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 7 mg/L < 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/17/2014 6/16/2014 14:10 SM20 2540F 6/16/2014 14:10 14:10	SW LAE
Order ID: 121905 Sa Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	mple Number: 216749 Site #4, grab 6/16/2014 11:30 6/16/2014 13:30 FC rec'd at 13.1 deg	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 8 mg/L < 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/17/2014 6/16/2014 14:10 SM20 2540F 6/16/2014 14:10 14:10	• Tech** SW) LAE

Page 1 of 3



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401		PO #	
Order ID: 121905 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 216750 Site #5, grab 6/16/2014 11:40 6/16/2014 13:30 FC rec'd at 14.8 deg C.	Sample Collected By: Sample Received by:	Alan Adin Amy Jo Date Test Time	Tech**
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 6 mg/L < 0.1 mL/L	SM20 2540 D 6/17/2 SM20 2540F 6/16/2	2014 2014 14:10	SW LAE
Order ID: 121905 Sam Sample Location: Date/Time sample collected: Date/Time samples received:	ple Number: 216751 Site #6, grab 6/16/2014 11:25 6/16/2014 13:30 FC rec'd at 16.3 deg C	Sample Collected By: Sample Received by:	Alan Adin Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 8 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 6/17/2 SM20 2540F 6/16/2	2014 2014 2014 14:10	Tech** SW LAE
Order ID: 121905 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 216752 Site #7, grab 6/16/2014 12:15 6/16/2014 13:30 FC rec'd at 16.4 deg 0	Sample Collected By: Sample Received by:	Alan Adin Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 12 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 6/17/ SM20 2540F 6/16/	t Date Test Time 2014 2014 14:10	Tech** SW LAE
Order ID: 121905 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 216753 Duplicate/Site #7, gra 6/16/2014 12:15 6/16/2014 13:30 FC rec'd at 15.7 deg (b Sample Collected By: Sample Received by: C.	Alan Adin Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 10 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 6/17 SM20 2540F 6/16	at Date Test Time /2014 /2014 14:10	Tech** SW LAE



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway

NY 12401

PO #

03-Jul-14

Results Comment:

Kingston

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is $\underbrace{4}$

	Date /	(a Review: Mgr	tev. 4, 2/14 Dati	uin of Custody R	aboratory Cha							Other
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									-		No	ration: NA Yes	Chemical Preserv
						nents:	Come				No No	tion: NA tes	Sample(s) receive Thermal Preserva
									1	-	A CONTRACTOR OF	ied By:	Sample Relinquish
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ť	61 14%	-1 -1	1-112 L PLAS	SS	12.15P				×	WS	TE / ~ * + +	DUPLICA	11
Ľ	381/1-0		1-11/2 L PLAS	SS TSS	12:15P				×	SW		SITE #7	101
	pa, lys		I-ILPLAS	SS TSS	11:25A				×	SW		SITE #6	120
	EU/P		I-1/2 L PLAS	TSS	11:40A				×	SW		SITE #5	NC -
t	1.U.		1-17 L PLAS	TSS	11:30A				×	WS		SITE #4	7461
1	104		1-1/2 L PLAS	TSS	Hor: 11			T	>	SW SW		SITE #3	748
	3.4/0		1-ILPLAS	SS					<	CW			-147
	63/17.4	2	1-112 LPLAS 1-172 L PLAS	SS	11:10 A				×	WS		SILE #2	8 ALIAID
2	1.3/17:4	1	1-1/2 L PLAS	SS TSS	10:55A				×	WS		SITE #1	Sample rev.
YN	DegC			Nedhrester	6 16 14	Type & Residual	First Draw	Comp # hrs	Grab	Matrix	Sample Point	C	5061 CI
Pres. It Lab	Sample Temp, s	X locd	Container &	Analysis	Date/Time	Treatment)ne)	Check (2		nle Identification &	Sam	Order ID No:
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			iD No: NY-	N PWS Fe	H SWENSO	To: _RALP	y Report	Сору			ON, NY 12401	KINGST	
			Location:	VOV	ingston-ny.g	aadin@k	nt Email:	Clier			ADWAY	s: 420 BRO	Mailing Addres
	CREEK_	DOUT	Facility Name: _RONI	Project/l	134-3968	No: _845-3	it Phone	Clier			INGSTON	_CITY OF K	Client Name:
L		9	Traditional Land	0	Yes					quested:	** Date report re	9-6538	Fax: 845-229
		od :	Print Methy	Dept.	Local Health	1		Lies)	ge app	surchar	RUSH (Rush	12538-1313 1-6536	Hyde Park, NY
			Amt Paid:	to	Copy results 1	~	£(고	· Ctands	T		4 Scenic Drive
			Amt Due:		TODY		AIN	CH				RATORY	SMITH LABOF
	m	riew:	Login Rev		TONV	TE CITC							

Attach nt 1 - Sampling Event Summary Sheet

	Artil		Date:	6.20.14 Page 1 of
initials:	ATAN ADAL ALLE	N NINCHELL		
Sampling leam:	ALIEN ADIN ALUE	to S	Temperature:	2
Weather:	SUNNY - HIGH 7	10.	Temperature.	15 158 D-M
Direction of Flow:	24 EASTERLY.		LO	WIDE - 2.55 Par
Sampling Location	Time	Field Parameter	Physical Observations	Comments
SITE #1: MID-RONDOUT	LATITUDE: 41,906	DO 8.7 19/4.	Grease none	ADDRAY IS YDS WESTERLY OF FEFAREY DRY
UPSTREAM OF WILBUR	LONGITUDE: 74,004	temperature 25.8°C	Floatables wore	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	. Z:10P'		Odors None.	FEENEY AND FEISLONG BUSINESS
SITE # 2: MID-RONGAT	LAT: ALAI	DO 8.7 my/L.	Grease none	50 YDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 73.99	temperature 25.2°C	Floatables Mone	CAUSEWAY CULVERTS
	2:20 8.		Odors More.	
SITE #3: MID-	LAT: A.gi	DO 8.8 mg/c	Grease none	25 VDS SOUTHERLY OF OLD STEEL
APPROX, 150 YDS	LONG: 73.98	temperature 25.2°C	Floatables none	BOILER PROTRUDING FROM WATER NEAR
UPSTREAM OF OLD BRIDGE	2:30P		Odors none	
SITE #6: MID-	LAT: 41.92	DO 88 mg/L.	Grease None	50 YDS SOUTHERLY OF CLEARWATER
RONDOUT CREEK	LONG: 7-3.95	temperature 24.6°C	Floatables More	MAINTENANCE SHED, DOUBLE SLIDE DOORS
	= 2:35p		Odors rone	T CIDICAL M
SITE #4: MID-	LAT: 41.92	DO 5.8mg/2	Grease none	50 YDS SOUTHERLY OF STEELHOUSE
APPROX, ZOO YDS	LONG: 73.98	temperature 24.3°C	Floatables Mont	RESTAURANT CONFRED PATIO
DOWNSTREAM OF NEW BRIDGE	2 409		Odors inone	OT ENANOLY!
SITE #5: MID-	LAT: 41.92	DO 8.8 mg/c	Grease More	TO YOS SOUTHERLY OF GAS LINE
UPSTREAM OF BLOCK	LONG: 73.97	temperature 24.5°C	Floatables Nene	CROSSING WARNING SIGN
PARK	2:47P		Odors None.	
SITE # 7: MID-	LAT: 21.58	DO S. Omy L	Grease Mark	NOT I DAL. STRAIGHT OUT FROM WESTERLY
3/4 MILE UPSTREAM OF	LONG: 1903	temperature 25.1°C	Floatables M	END BOAT LANNCH
EDDYVILLE DAM AT NYSDEL BOATLAUNCH	3.15p.		Odors nore	ex low, ~ week
	LAT:	DO	Grease	
DUPLICATE	LONGI	temperature	Floatables	Ste SILE #1
	SLIF#1		Odors	

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client F	Project Name:	Rondout Cree	ek 🛛			
Sample	Type:	Surface Wate	er -			
Order c	omment:					
Order II	D:	122080				
Sample	Number:	217141				
Sample	ELocation:	Site #1, grab				
Sample	o Comment:	FC rec'd at 14	4.9 deg C.			
Date/Ti	me sample collected:	6/20/2014	14:10	Collected By:	Alan Adii	า
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS	
Paramo	eter	Te	st Result*	Units		Test Method
Fecal C	Coliform		< 10	CFU/100m	iL i	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office			
	Kingston	NY 1	2401	PO) #
Client P	Project Name:	Rondout Cree	k		
Sample	Туре:	Surface Water	r		
Order c	omment:				
Order II	D:	122080			
Sample	Number:	217142			
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 13	.7 deg C.		
Date/Ti	me sample collected:	6/20/2014	14:20	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo
Date/TI	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	əter	Tes	t Result*	Units	Test Method
Fecal C	oliform		50	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	2401	PO	*
Client P	Project Name:	Rondout Cree	k		
Sample	Type:	Surface Wate	r		
Order c	omment:				
Order II	D:	122080			
Sample	Number:	217143			
Sample	Location:	Site #3, grab			
Sample	Comment:	FC rec'd at 13	.3 deg C.		
Date/Ti	me sample collected:	6/20/2014	14:30	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	ətər	Tes	t Result*	Units	Test Method
Fecal C	oliform		50	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client F	Project Name:	Rondout Cree	ek			
Sample	Type:	Surface Wate	ſ			
Order c	omment:					
Order II	D:	122080				
Sample	Number:	217144				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 14	1.8 deg C.			
Date/Ti	me sample collected:	6/20/2014	14:40	Collected By:	Alan Ad	lin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS	
Parame	ətər	Te	st Result*	Units		Test Method
Fecal C	oliform		60	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office			
	Kingston	NY	2401	PO)#
Client P	Project Name:	Rondout Cree	k		
Sample	Туре:	Surface Wate	r		
Order c	comment:				
Order II	D:	122080			
Sample	Number:	217145			
Sample	Location:	Site #5, grab			
Sample	e Comment:	FC rec'd at 9.	9 deg C.		
Date/Ti	me sample collected:	6/20/2014	14:47	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Paramo	eter	Tes	st Result*	Units	Test Method
Fecal C	Coliform		80	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY 1	2401	PO) #
Client F	Project Name:	Rondout Cree	k		
Sample	Type:	Surface Wate	r		
Order c	omment:				
Order I	D:	122080			
Sample	Number:	217146			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 16	.9 deg C.		
Date/Ti	me sample collected:	6/20/2014	14:35	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	ətər	Tes	t Result*	Units	Test Method
Fecal C	oliform		20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY	12401	PC	*
Client P	Project Name:	Rondout Cree	łk		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	122080			
Sample	Number:	2171 4 7			
Sample	Location:	Site #7, grab			
Sample	Comment:	FC rec'd at 15	5.3 deg C.		
Date/Ti	me sample collected:	6/20/2014	15 :15	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16 :10	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	eter	Tes	st Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Menager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway				х и
	Kingston	NY	12401	PU	7 #
Client P	Project Name:	Rondout Cree	ek.		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	122080			
Sample	Number:	217148			
Sample	Location:	Duplicate, Sit	e #1, grab		
Sample	Comment:	FC rec'd at 18	3.9 deg C.		
Date/Ti	me sample collected:	6/20/2014	14:10	Collected By:	Alan Adin
Date/Ti	me sample received:	6/20/2014	16:10	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		60	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PO) #
Client F	Project Name:	Rondout Cr	eek		
Sample	Type:	Water			
Order c	omment:				
Order II	D:	122080			
Sample	Number:	217246			
Sample	Location:	Blank-QC			
Sample	Comment:	100 mL buf	fered rinse water us	ed	
Date/Ti	me sample collected:	6/20/2014	17:30	Collected By:	
Date/Ti	me sample received:	6/20/2014	17:30	Received by:	Amy Jo
Date/Ti	me sample analyzed:	6/20/2014	17:30	Tech:	SS
Parame	əter	т	est Result*	Units	Test Method
Fecal C	oliform		< 1	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

24-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401	PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek		
Order ID: 122080 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 217141 Site #1, grab 6/20/2014 14:10 6/20/2014 16:10 FC rec'd at 14.9 deg 0	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 4 mg/L 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/24/2014 SM20 2540F 6/20/2014	Tech** SW JFE
Order ID: 122080 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 217142 Site #2, grab 6/20/2014 14:20 6/20/2014 16:10 FC rec'd at 13.7 deg	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test ResultUnits5mg/L< 0.1	Test Method Test Date Test Time SM20 2540 D 6/24/2014 6/20/2014 16:30 SM20 2540F 6/20/2014 16:30 16:30	Tech** SW JFE
Order ID: 122080 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Total Suspended Solids Solids, Settleable	Imple Number: 217143 Site #3, grab 6/20/2014 14:30 6/20/2014 16:10 16:10 FC rec'd at 13.3 deg 13.3 deg 10 Test Result Units 3 mg/L 0.1 mL/L 0.1 mL/L	Sample Collected By: Alan Adin Sample Received by: Amy Jo C. Test Method Test Date Test Time SM20 2540 D 6/24/2014 SM20 2540F 6/20/2014 16:30	Tech** SW JFE
Order ID: 122080 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 217144 Site #4, grab 6/20/2014 14:40 6/20/2014 16:10 FC rec'd at 14.8 deg	Sample Collected By: Alan Adin Sample Received by: Amy Jo C.	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 5 mg/L < 0.1 mL/L	Test Method Test Date Test Time SM20 2540 D 6/24/2014 6/24/2014 SM20 2540F 6/20/2014 16:30	Tech** SW JFE



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SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingsto Attn: Alan Adiu 420 Broadway	n Engineers Office n				
Kingston	NY	12401		PO #	
Order ID: 122080	Sample Number	: 217145			
Sample Location:	Site #5, g	rab			
Date/Time sample colle	ected: 6/20/2014	14:47	Sample Collecte	ed By: Alan Adin	
Date/Time samples rec	eived: 6/20/2014	16:10	Sample Receive	ed by: Amy Jo	
Sample Comment:	FC rec'd a	at 9.9 deg C			
Parameter:	Test Resul	t Units	Test Method	Test Date Test Ti	ime Tech**
Total Suspended Solids		4 mg/L	SM20 2540 D	6/24/2014	SW
Solids, Settleable	< 0	.1 mL/L	SM20 2540F	6/20/2014 16	i:30 JFE
Order ID: 122080	Sample Number	: 217146			
Sample Location:	Site #6, g	rab			
Date/Time sample colle	ected: 6/20/2014	14:35	Sample Collect	ed By: Alan Adin	
Date/Time samples rec	eived: 6/20/2014	4 16:10	Sample Receive	adiby: Amy Jo	
Sample Comment:	FC rec'd	at 16.9 deg	С.		
Parameter:	Test Resu	lt Units	Test Method	Test Date Test T	ime Tech**
Total Suspended Solids		4 mg/L	SM20 2540 D	6/24/2014	SW
Solids, Settleable	C),1 mL/L	SM20 2540F	6/20/2014 16	3:30 JFE
Order ID: 122080	Sample Number	r: 217147			
Sample Location:	Site #7, g	rab			
Date/Time sample coll	ected: 6/20/2014	4 15:15	Sample Collect	ed By: Alan Adin	
Date/Time samples rec	eived: 6/20/201	4 16:10	Sample Receiv	ed by: Amy Jo	
Sample Comment:	FC rec'd	at 15.3 deg	С.		
Parameter:	Test Resu	it Units	Test Method	Test Date Test T	ime Tech**
Total Suspended Solids		4 mg/L	SM20 2540 D	6/24/2014	SW
Solids, Settleable	< ().1 mL/L	SM20 2540F	6/20/2014 1	6:30 JFE
Order ID: 122080	Sample Numbe	r: 217148	3		
Sample Location:	Duplicate	e, Site #1, g	rab		
Date/Time sample coll	ected: 6/20/201	4 14:10	Sample Collect	ted By: Alan Adin	
Date/Time samples rec	ceived: 6/20/201	4 16:10	Sample Receiv	ed by: Amy Jo	
Sample Comment:	FC rec'd	at 18.9 deg	С.		
Parameter:	Test Resu	lt Units	Test Method	Test Date Test 1	"ime Tech**
Total Suspended Solids	6	6 mg/L	SM20 2540 D	6/24/2014	SW
Solids, Settleable	< (0.1 mL/L	SM20 2540F	6/20/2014 1	6:30 JFE



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway

NY 12401

PO #

03-Jul-14

Results Comment:

Kingston

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is _____

\uparrow	Date)		Review: Mgr	ev. 4, 2/14 Data	in of Custody R	aboratory Cha	Smith L						Other
	2		1				Π				No	pe (Yes)	Correct Bottle Ty
											No	ation NA Yes 1	Chemical Preserv
											No	tion: NA Yes 1	Thermal Preserva
						hents:	Comm			-	ng requirements	d met the followi	Sample(s) receive
	Time: [01	1110	Date: 0 / 04		SAIT	By:	ived at Lab	Recei	1			ed By:	Sample Relinquish
	Time:	110	Date:		D		ived By:	Recei	ų.		e ASIV.	ed By: ITLA	Sample Relinquish
				Laboratory.	rance by Smith 1	pproved in adv	nents are a	it arranger	- paymen	nless other	am responsible for payment, u	also affirm that I a	my knowledge. I a
best of	plete to the	e and com	e information above is true	H I hereby affirm that th	ZING TEG	NGINEES	(Title) E				ちこ	ALAN	Campled Rv: (Nan
			、										
A	1.71	+	I-1/2 L PLAS	SS TSS	2:102				×	SW	E 517E#1	DUPLICAT	1481
Ł	0.460.8		1-1LPLAS 1-1/2 L PLAS	SS TSS	3:15P				х	SW		SITE #7	INI
	Deg. 2	10	1-112 L PLAS	SS TSS	2:350				×	SW		SITE #6	146
	13.7/169	-	I-ILPLAS I-1/2 L PLAS	SS TSS	2:470				×	SW		SITE #5	145
	6.4/15/2	-	1-1LPLAS 1-1/2 L PLAS	SS TSS	2: 40p			-	×	SW		SITE #4	MM
	18.9	X	1-1LPLAS 1-1/2 L PLAS	SS TSS	2:300				×	SW		SITE #3	173
	hill bill	0	1-1LPLAS 1-1/2 L PLAS	SS TSS	1:200				×	WS		SITE #2	211.10
T	10.9	1	1-1LPLAS 1-1/2 L PLAS	SS TSS	2:102				×	SW		SITE #1	ALNULE
YN	DegC	Y/N	Preservative	Requested	Sampled 6-20-(4	Type & Residual	First Draw	Comp # hrs	Grab	Matrix	Sample Point		Sample No:
Pres.	Sample Temp	Iced	Container &	Analysis	Date/Time	Treatment	One)	Check (~		nle Identification &	Same	Order ID No:
	USE ONL	LAB		E PROVIDED BELOW	THE SPAC	ATION IN	FORM	PLE IN	SAM	TE THE	CLIENT: COMPLE		LAB USE ONLY
			d ID No: NY)N PWS Fee	H SWENSC	To: _RALF	y Report	Copy			ON, NY 12401	KINGSTO	
ļ			Location:	30V	kingston-ny.§	aadin@!	nt Email:	Clie		ļ	ADWAY	ss: 420 BRO	Mailing Addres
	CREEK_	DOUT	Facility Name: _RON	Project/F	334-3968	No: _845-:	nt Phone	Clier	22		INGSTON	_CITY OF K	Client Name:
		lo:	Pmt Meth Receipt N	1 Dept.	Local Health Yes N			nlies)	rge app	surchau quested:	Turnaround Time <i>RUSH</i> (<i>Rush</i> ** Date report re	9-6538 9-6538	Hyde Park, NY Phone: 845-22 Fax: 845-22
			Amt Due:						j			RATORY	SMITH LABO 4 Scenic Drive
	ANY.	view:	Login Rev		TONY								
Attach	nt 1 - Sam	pling Event	Summary Sheet										
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·	4-54		Date:	6 23.14 Pageof
Initials:	A ADIALA MARKA	a. 12 Siterison.		
Sampling Team:	A.BUINTA WINCH	ful from	Tomperature: Hile	H 702
Weather:	CLEATE		Temperature.	
Direction of Flow:	W-WESTERLY.		HIGH TOP	11474
Sampling Location	Time	Field Parameter	Physical Observations	Comments
SITE #1: MID-RONDOUT	LATITUDE: 41.906	DO 5.4 m/c	Grease NERE	TIDE: MESTERIN OF ELEVEN DRY
UPSTREAM OF WILBUR	LONGITUDE: 74,004	temperature 25,1°C	Floatables MINIMAL-	DOCK AT PROPERTY BUNDARY BETWEEN
AVE. OUTFALL	.10-30A.		Odors NOWE	FEENEY AND PEOKENNE BUSINESS 2
SITE # 2: MID-RONCOUT	LAT: 41.91	DO 9.5 mg/c.	Grease None	50 YDS SOUTHERLY OF ISLAND DOCK
OF BLOCK PARK	LONG: 73.99	temperature 24.6	Floatables None	CAUSEWAY CULVERTS
	10:40 A	24.6°C	Odors Now	
SITE #3: MID-	LAT: 41.91	DO 9.3 mg/L	Grease None	25 YDS SOUTHERLY OF OLD STEEL
APPROX, 150 YOS	LONG: 7398	temperature 24.c°C	Floatables Now	BOILER PROTRUDING FROM WATER NEAR
UPSTREAM OF OLD BRIDGE	10:50A.	i	Odors NOWE	
51TE #6; MID-	LAT: 41.92	DO 8.9 mg/L	Grease NONE	TIDE: TO WESTERLY OF CLEARWATER
RONDOUT CREEK	LONG: 73.98	temperature 24.50	Floatables NOME	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER THEM SHIDE	- 10°.56A.		Odors NOWE	
SITE #4: MID-	LAT: 41.92	DO S.6 mg/L	Grease NONE	TIDE: IN MESTERLY
RONDONT CREEK APPROX 200 YDS	LONG: 73.98	temperature 23.8°C	Floatables None	RESTAURANT CONBRED PATIO
DOWNSTREAM OF	11:02A		Odors NONE	
SITE #5: MID-	LAT: 41.92	DO 3.3.19/L	Grease None	TIDE: INVESTICAS LINE
RONDONT CREEK UPSTREAM OF BLOCK	LONG: 73.47	temperature 23,7°C	Floatables NOME	CROSSING WARNING SIGN
PARK	11:10A.		Odors NOVE.	MILKY BROWN
SITE #7: MID-	LAT: 41.90	DO 8.4	Grease NONE	FLOW: ALWAYS EASTERLY (DOWN STREAM) - WCAMON NOT TIDAL. STRAIGHT OUT FROM WESTERLY
BONDAUT CREEK APPROX. 3/4 MILE UPSTREAM OF	LON 6: 74.03	temperature 25.1	Floatables Multimate	END BOAT LAVNCH VEGEMATIVE WATTER
EDDYVILLE DAM AT NYSDEC BOAT LAUNCH	11:37 H 34A		Odors NONE	CREEK LEVEL - Z LOW
	LAT:	DO	Grease	CCE CIDE HT?
DUPLICATE	LONGI	temperature	Floatables	7ET SIIL #2
	SITEAL	V	Odors	

ž



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client P	Project Name:	Rondout Cree	ek			
Sample Type: Order comment: Order ID:		Surface Water				
		122107				
Sample	Number:	217213				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 16	6.2 deg C			
Date/Ti	me sample collected:	6/23/2014	10:30	Collected By:	Alan Adin	
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS	
Parame	əter	Tea	st Result*	Units	Test Method	
Fecal C	oliform		80	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client F	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Water				
		122107				
Sample	Number:	217214				
Sample	Location:	Site #2, grab				
Sample	e Comment:	FC rec'd at 13	8.1 deg C			
Date/Ti	me sample collected:	6/23/2014	10:40	Collected By:	Alan Adin	
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS	
Parame	eter	Tes	st Result*	Units	Test Method	
Fecal C	Coliform		< 10	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway					
	Kingston	NY	12401	PC) #	
Client F	Project Name:	Rondout Cre	ek			
Sample Type:		Surface Wat	er .			
Order comment:						
Order ID:		122107				
Sample	Number:	217215				
Sample	Location:	Site #3, grat)			
Sample	Comment:	FC rec'd at 6	6.9 deg C			
Date/Ti	me sample collected:	6/23/2014	10:50	Collected By:	Alan Adin	
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS	
Parame	er	Te	est Result*	Units	Test Meth	bod
Fecal C	oliform		< 10	CFU/100m	nL SM 18 922	22D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Menager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office	12401	PC	. #
	Kingston	INT	12401	P G	
Client F	Project Name:	Rondout Cree	ek		
Sample Type: Order comment: Order ID:		Surface Wate	r		
		122107			
Sample	Number:	217216			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 20).8 deg C		
Date/Ti	me sample collected:	6/23/2014	11:02	Collected By:	Alan Adin
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS
Parame	oter	Tes	st Result*	Units	Test Method
Fecal C	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway				
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ek		
Sample Type: Order comment: Order ID:		Surface Wate	F		
		122107			
Sample	Number:	217217			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 5.	5 deg C		
Date/Ti	me sample collected:	6/23/2014	11:10	Collected By:	Alan Adin
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal C	oliform		50	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	420 Broadway					
	Kingston	NY 12401		PO #		
Client P	Project Name:	Rondout Cree	ŀk			
Sample Type:		Surface Wate	r			
Order comment:						
Order ID:		122107				
Sample	Number:	217218				
Sample	Location:	Site #6, grab				
Sample	Comment:	FC rec'd at 14	.8 deg C			
Date/Ti	me sample collected:	6/23/2014	10:56	Collected By:	Alan Adin	
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS	
Parame	eter	Tes	at Result*	Units	Test Method	
Fecal C	oliform		50	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY 12401		PO #			
Client F	Project Name:	Rondout Cre	ek				
Sample Type:		Surface Wat	er				
Order comment: Order ID:							
		122107					
Sample	Number:	217219					
Sample	- Location:	Site #7, grab					
Sample	o Comment:	FC rec'd at 1	3.4 deg C				
Date/Ti	me sample collected:	6/23/2014	11:37	Collected By:	Alan Adin		
Date/Ti	me sample received:	6/23/2014	15:00	Received by:	Karolina		
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS		
Parame	əter	Te	est Result*	Units	Test Method		
Fecal C	oliform		10	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office												
	Kingston	NY	12401	PO #										
Client P	Project Name:	Rondout Cree	ek											
Sample Type: Order comment: Order ID:		Surface Water 122107												
								Sample	Number:	217220				
								Sample	Location:	Duplicate, Site #2, grab				20
Sample	Comment:	FC rec'd at 10	0.1 deg C											
Date/Ti	me sample collected:	6/23/2014	10:40	Collected By:	Alan Adir	1								
Date/Tir	me sample received:	6/23/2014	15:00	Received by:	Karolina									
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS									
Parame	iter	Tes	st Result*	Units	1	est Method								
Fecal C	oliform		10	CFU/100m	nL S	SM 18 9222D								

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY 12401		PC) #		
Client F	Project Name:	Rondout Cr	eek				
Sample Type:		Water					
Order comment:							
Order II	D:	122107					
Sample	Number:	217245					
Sample	Location:	Blank-QC					
Sample	Comment:	100 mL of t	uffered rinse wate	r used			
Date/Ti	me sample collected:	6/23/2014	16:00	Collected By:			
Date/Ti	me sample received:	6/23/2014	16:00	Received by:	Karolina		
Date/Ti	me sample analyzed:	6/23/2014	16:00	Tech:	SS		
Parame	eter	Т	est Result*	Units	Test Method		
Fecal C	oliform		< 1	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units,

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

26-Jun-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office NY 12401		PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek			
Order ID: 122107 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 217213 Site #1, grab 6/23/2014 10:30 6/23/2014 15:00 FC rec'd at 16.2 deg C	Sample Collected By: Sample Received by:	Alan Adin Karolina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 8 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 6/24 SM20 2540F 6/23	st Date Test Time J/2014 3/2014 15:20	Tech** SW LAE
Order ID: 122107 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	mple Number: 217214 Site #2, grab 6/23/2014 10:40 6/23/2014 15:00 FC rec'd at 13.1 deg C	Sample Collected By: Sample Received by:	Alan Adin Karolina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 6 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 6/24 SM20 2540F 6/23	st Date Test Time 1/2014 15:20	Tech** SW LAE
Order ID: 122107 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter:	mple Number: 217215 Site #3, grab 6/23/2014 10:50 6/23/2014 15:00 FC rec'd at 6.9 deg C Test Result Units	Sample Collected By: Sample Received by: Test Method Test	Alan Adin Karolina st Date Test Time	Tech**
Total Suspended Solids Solids, Settleable	8 mg/L < 0.1 mL/L	SM20 2540 D 6/24 SM20 2540F 6/23	8/2014 15:20	SW
Order ID: 122107 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	mple Number: 217216 Site #4, grab 6/23/2014 11:02 6/23/2014 15:00 FC rec'd at 20.8 deg C	Sample Collected By: Sample Received by:	Alan Adin Karolina	Tech**
Parameter: Total Suspended Solids Solids, Settleable	8 mg/L < 0.1 mL/L	SM20 2540 D 6/24 SM20 2540F 6/23	4/2014 3/2014 15:20	SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine	ers Office					
Attn: Alan Adin						
420 Broadway						
Kingston	NY	12401		PC) #	
Order ID: 122107 San	nple Number:	217217				
Sample Location:	Site #5, gra	ab				
Date/Time sample collected:	6/23/2014	11:10	Sample Collected	I By: Alan	Adin	
Date/Time samples received:	6/23/2014	15:00	Sample Received	by: Karo	olina	
Sample Comment:	FC rec'd at	5.5 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	14	mg/L	SM20 2540 D	6/24/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	6/23/2014	15:20	LAE
Order ID: 122107 San	nple Number:	217218				
Sample Location:	Site #6, gra	ab				
Date/Time sample collected:	6/23/2014	10:56	Sample Collected	IBy: Alan	Adin	
Date/Time samples received:	6/23/2014	15:00	Sample Received	by: Karo	olina	
Sample Comment:	FC rec'd at	14.8 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	5 mg/L	SM20 2540 D	6/24/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	6/23/2014	15:20	LAE
Order ID: 122107 San	nple Number:	217219				
Sample Location:	Site #7, gra	ab				
Date/Time sample collected:	6/23/2014	11:37	Sample Collected	I By: Alan	Adin	
Date/Time samples received:	6/23/2014	15:00	Sample Received	by: Karo	olina	
Sample Comment:	FC rec'd at	13.4 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	2	2 mg/L	SM20 2540 D	6/24/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	6/23/2014	16:20	LAE
Order ID: 122107 San	nple Number:	217220				
Sample Location:	Duplicate,	Site #2, grat	D			
Date/Time sample collected:	6/23/2014	10:40	Sample Collected	I By: Alan	Adin	
Date/Time samples received:	6/23/2014	15:00	Sample Received	by: Karo	olina	
Sample Comment:	FC rec'd at	10.1 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	i mg/L	SM20 2540 D	6/24/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	6/23/2014	16:20	LAE

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

Y 12401

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is

4 Scenic Drive Hyde Park, NY 12538-1313 Tu Phone: 845-229-6536 RV	urnaround Time: St USH (Rush surc	andard [harge a	√] pplies)			Copy result Local Healt	s to h Dept. Vo [√]	Amt Paic Pmt Met Receipt 1	hod :		
Client Name:CITY OF KINGSTO	N		Clie	ent Phone	e No: _845	-334-3968	Project/Fi	acility Name: _ROM	IDOUT	CREEK	
Mailing Address: 420 BROADWAY			Clie	ent Emai	l:aadin@	kingston-ny.	gov]	Location:			
KINGSTON, NY I	12401		Cop	y Repor	t To: _RAL	PH SWENS	ON PWS Fed	ID No: NY-			
LAB USE ONLY CLIEN	IT: COMPLETE T	HE SAI	MPLE II	VFORM	ATION IN	THE SPAC	E PROVIDED BELOW		LAB	USE ON	ΊLΥ
Order ID No: I A A 107 Sample Identific Sample Identific	cation & Ma		(Check	One)	Treatment	Date/Time Sampled	Analysis Requested	Container & Preservative	Iced Y/N	Sample Temp,	Pres. at Lab
Sample No:			ab Comp # hrs	Draw	Residual	6-23-14		1-11 PI AS	>	Deg C	NIA
9/72/2018 SITE #1	S	X				10:304	TSS	I-ILFLAS I-1/2 L PLAS	A	8.3	N
DIDAIU PR SITE #2	S	x X				10:40A	SS TSS	1-1LPLAS 1-1/2 L PLAS		\Im	
2/12/5 % SITE #3	S	N X				hos:01	SS TSS	1-1LPLAS 1-1/2 L PLAS		D.I	
2 172/10 pb SITE #4	S	X X				AZ0:11	SS TSS	1-1LPLAS 1-1/2 L PLAS		18.9	
A 1721768 SITE #5	S	x X				H-01:11	SS TSS	1-1LPLAS 1-1/2 L PLAS		18.81	
21721946 SITE #6	S	w X				10:56A	SS TSS	1-1LPLAS 1-1/2 L PLAS		17.1	
217 219 SITE #7	S	x X				H1:37A	SS TSS	1-1LPLAS 1-1/2 L PLAS		22.3	-
DUPLICATE SIT	£#2 S	X X				10:404.	SS TSS	1-1LPLAS 1-1/2 L PLAS	H	18,7	H
								•			
Sampled By: (Name) HUAN ADIA				_(Title)	ENGINE	ERING T	TECH. I hereby affirm that the	information above is tru	ie and con	plete to the	e best of
Sample Relinquished By: HUAN 101	N		Rec	eived By:	/L			Date:	2	Time:	
Sample Relinquished By:			Rec	vived at La	b By: YU	Napry	2	Date: (1/0	15/17	Time:	PAN
Sample(s) received met the following requiren Thermal Preservation: NA Ves No	nents			Com	ments:	0					
Chemical Preservation: NA Ves No		and the second se									
Other				Smith	Laboratory Ch	ain of Custody F	(ev. 4, 2/14 Data I	Review: Mgr		Date 7	12

Attach nt 1 - Sampling	Event Summary Sheet			V
	A.A.		Date:	7.3.14 PageOT
Initials;	A Adin / A. Wine	chell.		
Sampling reall.	SIFP CAST / POST	RAINEVENT	Temperature: , 70	1.0.45
Weather:	TH WESTERN	- HIGH TIDE 6	5 P /DAWIN	-STORMS COMMENCED VIISP/END 5:45
Direction of Flow:	The mestered	(A		Comments
Sampling Location	Time	Field Parameter	Physical Observations	TIDE: MERCY
SITE #1: MID-RONDOUT	LATITOE: AI, 907	DO 7.5 myle	Grease NOAR	APPROX. 15 YDS WESTERLY OF FLEARY DRY
UDSTREAM OF WILBUR	LONGITUDE: 74.004	temperature 26.5°C	Floatables NONE	CEEVEN AND RECYCLING BUSINESS
AVE. OUTFALL	6:15 PM		Odors NDNE	HUTTER BIOUT EASTERLY
SITE # 2. MID-RONDOUT	LAT: 11, 912	DO 7.6 mg/L.	Grease NONE	50 YDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 23.942.	tomporature 26 400C	Floatables NONE	CAUSEWAY CULVERTS
OF BLOCK PARK	5:250	temperature	Odors NONE	SPORADIC LARGE WOOD DEBICIS.
	O. USP	ad 2 mili	Grease NONE	TIDE: TO WESTERLY OF OLD STEEL
SITE #3: MID- ROMDAUT CREEK	LAT: 41.915	DO 1.9. 110.	Electobles NOAK	BOILER PROTEVOING FROM WATER NEAR
APPROX, 150 YDS	LONG. 75,984	temperature Lune	Floatables to vio	ISLAND DOCK BULKHEAD
BRIDGE	6:30P.		Odors NOM	TIDE: DUT EASTERLY.
SITE #6; MID-	LAT: 41.918	DO S.H.mll	Grease NONE	50 YDS SOUTHERLY OF CLEARWATER
RONDOUT CREEK	LONG: 73.981	temperature 26.24	Floatables NDME	MAINTENHINCE SHED, DOOD 2
UNDER WERE DETE	- 10:350		Odors NONE,	A DIT FACTERY
CITE #1: MID-	LAT: 41.919	DO 8.4 mg/L	Grease NONE	TIDE OUT HOT OF STEELHOUSE
RONDONT CREEK	LONG: 73,979	tomporature 26.1C	Floatables MINIMAL	RESTAURANT CONFRED PATTC
APPROX, ZOO YDS DOWALSTREAM OF	1.400	temperature	Odors NONE	VEGEDATIVE WITTER
NEW BRIDGE	V. 107	a a c mg/	Grease NONE	TIDE: OFENSTERIN & GAS LINE
RONDONT CREEK	41.926	DO 4.5 1. 1.°C	Electobles NUMF	CROSSING WARNING SIGN
UPSTREAM OF BLOCK	LONG; + 1.1-1	temperature 20, 40	Chara LINAS	· · · ·
PAIRK	6:45P		Udors Norve	FLOW : ALWAYS EASTERLY (DOWN STREAM) - LOCATION
SITE # 7: MID-	LAT: 41.90	DO 5.7. mg/L	Grease NOINE	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
3/4 MILE UPSTREAM OF	LONE: JA.OU.	temperature 25.6 C	Floatables MODERATE	TOTICUS DERPIS NECETATIVE MATTER
EDDYVILLE DAM AT	7-150		Odors NOAN	SUCKS, DEDKID, VLOEINI - 1111
PISUEL DURY DURY ON	LAT:	DO	Grease	- STE#4
DUPLICATE.	LONG: SITE#4	temperature	Floatables	
		Composition	Odors	
			20070-000 C	

. .

CHICKNESS CONTRACTOR

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	Project Name:	Rondout Cr	reek			
Sample	Туре:	Surface Wa	iter			
Order c	omment:					
Order II	D:	122376				
Sample	Number:	217840	60000 G-			
Sample	Location:	Site #1, gra	b			
Sample	Comment:	FC rec'd at	8.3 deg C.			
Date/Ti	me sample collected:	7/2/2014	18:15	Collected By:	AW	
Date/Tit	me sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	ľ	est Result*	Units		Test Method
Fecal C	oliform		270	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cr	e k			<u>.</u>
Sample	Type:	Surface Wa	ter			
Order c	omment:					
Order II	D:	122376		ta Table ita est ant ave		55 20 28 as 2022/05/06/
Sample	Number:	217841				
Sample	Location:	Site #2, grat)			
Sample	Comment:	FC rec'd at '	10.4 deg C.			
Date/Tie	ne sample collected:	7/2/2014	18:25	Collected By:	AW	
Date/Tis	ne sample received:	7/2/2014	20:10	Received by:	Amy Jo	H.
Date/Ti	ne sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	T	et Result"	Units		Test Method
Fecal C	oliform		70	CFU/100m	iL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by; Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8538

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client F	roject Name:	Rondout Cre	ek			
Sample	Type:	Surface Wat	er			
Order c	omment:					
Order II	D:	122376	Programme -			
Sample	Number:	217842	16			
Sample	Location:	Site #3, grab	el			
Sample	Comment:	FC rec'd at 13.3 deg C.				
Date/Ti	me sample collected:	7/2/2014	18:30	Collected By:	AW	
Date/Ti	me sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	Te	st Result*	Units		Test Method
Fecal C	oliform		40	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab, Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PC	0#	
Client P	roject Name:	Rondout Cr	ock			
Sample	Type:	Surface Wa	ter			
Order c	omment:					
Order II	D:	122376				
Sample	Number:	217843				
Sample	Location:	Site #4, gral	D			
Sample	Comment:	FC rec'd at	13.1 deg C.			
Date/Tin	me sample collected:	7/2/2014	18:40	Collected By:	AW	
Date/Ti	me sample received:	7/2/2014	20:10	Received by:	Amy Jo	t.
Date/Ti	me sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	T.	est Result*	Units		Test Method
Fecal C	oliform		7000 (Est)	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment: (Est): Represents an estimated count due to overcrowding growth.

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cre	ek			
Sample	Type:	Surface Wat	er			
Order c	omment:					
Order II	D:	122376				
Sample	Number:	217844				
Sample	Location:	Site #5, grab	i i			
Sample	Comment:	FC rec'd at 1	2.7 deg C.			
Date/Tir	ne sample collected:	7/2/2014	18:45	Collected By:	AW	
Date/Tir	me sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	Te	st Result"	Units		Test Method
Fecal C	oliform		470	CFU/100m	aL.	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			<u></u>
Sample	Туре:	Surface Wat	ter			
Order c	omment:					
Order ID:		122376				
Sample	Number:	217845				
Sample	Location:	Site #6, grab				
Sample	Comment:	FC rec'd at 12.2 deg C.				
Date/Tir	ne sample collected:	7/2/2014	18:35	Collected By:	AW	
Date/Tir	ne sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Data/Tir	ne sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	Te	et Result*	Units		Test Method
Fecal Co	oliform		1500	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cre	ek	nan Die		
Sample	Type:	Surface Wat	er			
Order c	omment:					
Order II	D :	122376				
Sample	Number:	217846				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 10.4 deg C.				
Date/Tin	ne sample collected:	7/2/2014	19:15	Collected By:	AW	
Date/Tin	ne sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Date/Tin	ne sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	Te	st Result*	Units	.,	Test Method
Fecal Co	oliform		450	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cre	ek	ta (1. and (1. and		
Sample	Type:	Surface Wat	er			
Order c	omment:					
Order if	D:	122376				
Sample	Number:	217847		- 14- W		·····
Sample	Location:	Duplicate, gr	ab			
Sample	Comment:	FC rec'd at 14.6 deg C.				
Date/Tir	ne sample collected:	7/2/2014	18:40	Collected By:	AW	
Date/Tir	ne sample received:	7/2/2014	20:10	Received by:	Amy Jo	
Date/Tir	ne sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	Te	st Result*	Units		Test Method
Fecal Co	oliform	6	500 (Est)	CFU/100m	iL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment: (Est): Represents an estimated count due to overcrowding growth.

Reviewed by: Lab Manager, ELAP Lab ID #10924

07-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Ci	reek	-11.00		
Sample	Type:	Buffered DI	Water			
Order c	omment:					
Order II	D:	122376				
Sample	Number:	217975				
Sample	Location:	Blank				
Sample	Comment:					
Date/Tir	ne sample collected:	7/2/2014	20:55	Collected By:	AGS	
Date/Tir	ne sample received:	7/2/2014	20:55	Received by:	Amy Jo)
Date/Tir	ne sample analyzed:	7/2/2014	20:55	Tech:	AGS	
Parame	ter	T	'est Result"	Units		Test Method
Fecal Co	oliform		<1	CFU/100m	IL.	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

08-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin	rs Office					
Kingston	NY	12401		PO	#	
Sample Type:	Surface Wa	ter				
Client Project Name:	Rondout Cre	eek				
Order comment:						
Order ID: 122376 Sam	ple Number:	217840				
Sample Location:	Site #1, gra	b				
Date/Time sample collected:	7/2/2014	18:15	Sample Collected	By: AW		
Date/Time samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at	8.3 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID: 122376 Sam	ple Number:	217841				
Sample Location:	Site #2, gra	b		Sec. Sec. Sec. Sec. Sec. Sec. Sec. Sec.		
Date/Time sample collected:	7/2/2014	18:25	Sample Collected	By: AW		
Date/Time samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at	10.4 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	3	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID: 122376 Sam	ple Number:	217842				
Sample Location:	Site #3, gra	b				
Date/Time sample collected:	7/2/2014	18:30	Sample Collected	By: AW		
Date/Time samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at	13.3 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	3	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID: 122376 Sam	ple Number:	217843				
Sample Location:	Site #4, gra	ıb				
Date/Time sample collected:	7/2/2014	18:40	Sample Collected	By: AW		
Date/Time samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at	13.1 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	6	6 mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office					
	Attn: Alan Adın						
	420 Broadway	NV	12401		PO	#	
	Kingston		12401				
Order ID	: 122376 Sam	ple Number:	217844				
Sample I	ocation:	Site #5, gra	b				
Date/Tim	e sample collected:	7/2/2014	18:45	Sample Collected	By: AW		
Date/Tim	e samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample (Comment:	FC rec'd at	12.7 deg C.				
Paramete	er:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Sus	pended Solids	4	mg/L	SM20 2540 D	7/8/2014		SW
Solids, S	ettleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID	: 122376 Sam	ple Number:	217845				
Sample	Location:	Site #6, gra	b				
Date/Tim	ne sample collected:	7/2/2014	18:35	Sample Collected	By: AW		
Date/Tim	ne samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample	Comment:	FC rec'd at	12.2 deg C.				
Paramet	er:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Sus	spended Solids	2	mg/L	SM20 2540 D	7/8/2014		SW
Solids, S	ettleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID	: 122376 San	ple Number:	217846				
Sample	Location:	Site #7, gra	ıb				
Date/Tim	ne sample collected:	7/2/2014	19:15	Sample Collected	By: AW		
Date/Tim	ne samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample	Comment:	FC rec'd at	10.4 deg C.				
Paramet	er:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Sus	spended Solids	3	mg/L	SM20 2540 D	7/8/2014		SW
Solids, S	ettleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW
Order ID	: 122376 San	nple Number:	217847				
Sample	Location:	Duplicate, g	grab				
Date/Tin	ne sample collected:	7/2/2014	18:40	Sample Collected	By: AW		
Date/Tin	ne samples received:	7/2/2014	20:10	Sample Received	by: Amy	Jo	
Sample	Comment:	FC rec'd at	14.6 deg C.				
Paramet	ter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Su	spended Solids	5	5 mg/L	SM20 2540 D	7/8/2014		SW
Solids, S	Settleable	< 0.1	mL/L	SM20 2540F	7/3/2014	11:45	SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

12401

PO #

18-Jul-14

Results Comment:

IND

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is <u>4</u>

5	Date	4	Review: Mgr	ev. 4, 2/14 Data R	in of Custody Re	aboratory Cha	Smith L						Other
			2									ation: NA Yes	Chemical Preserva Correct Bottle Tvi
											No	ion: NA Yes	Thermal Preservat
						ents:	Comm	S.	and the state of the second	ARE RELEASED FRANK	ng requirements	d met the followi	Sample(s) receive
udon	Nime: 8	11219	7) Bate XT	A	AT CULIN	By:	ved at Lab	Receiv				od By:	Sample Relinquishe
	Time:		Date			proved in and	ved By:	Receiv	раушен	niess outer	am responsible for payment, u	d By	my knowledge. I a Sample Relinquishe
best of	plete to the	and com	information above is true	hereby affirm that the i	PERATO	0. 7S	(Title)				SUD WEHEI	e) Aller	Sampled By: (Nam
			•										
F	19.7	E	1-112 L PLAS	SS TSS	6 top				×	SW	μ	DUPLICAT	1847
	18.6		1-1/2 L PLAS	SS TSS	7/2/12				X	SW		SITE #7	923
	1.044	1	1-1LPLAS 1-1/2 L PLAS	SS TSS	7/2/14				х	SW		SITE #6	Sha
	19.6	1-	1-1LPLAS 1-1/2 L PLAS	SS TSS	7/2/14				×	SW		SITE #5	644
	- Lig	-	1-1/2 L PLAS	SS TSS	11/16/2				x	SW		SITE #4	843
	13.6		1-1LPLAS 1-1/2 L PLAS	SS TSS	1/2/14				×	SW		SITE #3	842
Ľ	124	-	I-ILPLAS I-1/2 L PLAS	SS TSS	625P				×	SW		SITE #2	111-8 1
Z	100	~	1-1LPLAS 1-1/2 L PLAS	SS TSS	7/2/14				×	SW		SITE #1	2178405
Pres. t Lab Y/N	Sample Temp, a Deg C	Iced Y/N	Container & Preservative	Analysis Requested	Date/Time Sampled	Treatment Type & Residual	ne) First Draw	Check O Comp # hrs	(I	Matrix	ole Identification & Sample Point	Samp	Order ID No:
Y	USE ONL	LAB		PROVIDED BELOW	THE SPACE	TION IN	FORMA	PLE IN	SAMI	FE THE	CLIENT: COMPLE		LAB USE ONLY
1			ID No: NY-	N PWS Fed I	H SWENSO	To:_RALP	Report	Сору			DN, NY 12401	KINGSTO	
			ocation:	ovL	cingston-ny.g	aadin@k	t Email:	Clien			ADWAY	5: 420 BRO/	Mailing Address
I	CREEK	DOUT	cility Name: _RONI	Project/Fac	334-3968	No: _845-3	t Phone]	Clien			INGSTON	_CITY OF K	Client Name:
Ш		0: 0d ::	Pmt Metho Receipt No	o √	Local Health Yes No			lies)	ge app	surchar quested:	RUSH [] (Rush ** Date report re	-6536 -6538	Phone: 845-229 Fax: 845-229
			Amt Paid:	to	Copy results			-	ard	: Stand	Turnaround Time	12538-1313	4 Scenic Drive Hvde Park, NY
		10W. W	Amt Due:		TODY	OF CUS	AINC	CH				LATORY	SMITH LABOR
		iew.	I onin Dev										

Attach nt 1 - Sampling	g Event Summary Sheet			2211
	ΛA		Date:	<u></u> Page of
Initials:	A Adia (A 1)	dell / P. Suense	5	9
Sampling Team:	MARAIN/A.W.	well / 10	Temperature: ALGH 🖇	0
Weather:	H-H-++	/		1 20 244
Direction of Flow:		N	LON TIDE	A:09 pret.
Sampling Location	Time	Field Parameter	Physical Observations	TIDE OUT EASDERLY
SITE #1: MID-RONDOUT	LATITOE: 41.906	DO 8.1 mg/L	Grease NONE	APPROX. 15 YDS WESTERLY OF FEENEY DRY
CREEK APPROX. 250 YOS	LONGIT WE: 74.004	temperature 25.9°C.	Floatables NDME	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	1480		Odors NONE	HEEVEY HIT SHENCOLN
	1.701 LAT: (1) (1)7	DO Za/mg.1	Grease NOWE	SONDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 27 (107	72489	Elostables NONE	CAUSEWAY CULVERTS
OF BLOCK PARK	13.490	temperature 27,0 C	Oders ALDAF	
	1:57P	22.1	NONE	TIDE: OUT EASTEREY
SITE #3: MID-	LAT: 41.914	DO t. tmg/C	Grease TOCTOL	25 YDS SOUTHERLY OF OLD FROM WATER NEAR
APPROX, 150 YDS	LONG: 73.985.	temperature 24.8°C	Floatables TOUTUE	ISLAND DOCK BULKHEAD
UPSTREAM OF OLD	2:05P		Odors NOVE	ENT ALT EASTERIN
BRIDGE	LAT: 21918	DO 8.0 mg/1	Grease NOWF	50 YDS SOUTHERLY OF CLEARWATER
RONDOUTCREEK	LONG: 23.981	temperature 14.9°C	Floatables NONE	MAINTENANCE SHED, DOUBLE SLIDE DOCKS
UNDER NEW BRIDGE	- 2:070	temperatore - / /	Odors NONE	
·	2.07	& Daval	Grosse ALOXIE	TIDE: OV T EATERLY
SITE #4: MID-	LAT: 41.919	DO D. U. ray/L	Glease IOCION	SO YDS SOUTHERED PATIO
APPROX, ZOO YDS	LONGTOTIL	temperature 64.60	Floatables Poortic	
DOWNSTREAM OF NEW BRIDGE	2:10 p.		Odors NUNE	TIDE: NT EASTERLY .
SITE #5: MID-	LAT: 41.922	DO 7. twyk	Grease NOWE	50 YDS SOUTHERLY OF GAS LINE
RONDONT CREEK	LONG: 73.969	temperature 25.7°C.	Floatables NONE	CROSSING WARNING SIGN
DADK	2:100		Odors NDNE	1/ STREAM)- 40(ATTO)
1 4KK	LATIN	DO 1015	Grease NONE	FLOW: ALWAYS EASTERLY (DOWN STREAM)
RONDOUT CREEK APPRO	X LAND TETOT	00000	Electobles NONE	END BOAT LAVNCH
3/4 MILE UPSTREAM OF	LONG	temperature 23.	Plualables	
NYSDEL BOAT LAUNCH	2.409.		Odors	
Manual Street and	LAT: 41.840	DO	Grease	- SITE #4
DUPLICATE	LONG: 74.01	temperature	Floatables	-1
	SILFA		Odors	

Section in section in



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	omment:					
Order IC	D:	122441				
Sample	Number:	217954				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 7	.7 deg C.			
Date/Tir	ne sample collected:	7/7/2014	13:48	Collected By:	RS	
Date/Tin	ne sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Tir	ne sample analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	ter	Te	st Result*	Units	Test M	ethod
Fecal Co	oliform		150	CFU/100m	L SM 18 9	9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed(by: Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	omment:					
Order IE):	122441				
Sample	Number:	217955				
Sample	Location:	Site #2, grab	i			
Sample	Comment:	FC rec'd at 6	.6 deg C.			
Date/Tin	ne sample collected:	7/7/2014	13:57	Collected By:	RS	
Date/Tin	ne sample received:	7/7/2014	16:00	Received by:	Amy Jo	1
Date/Tin	ne sample analyzed:	7/7/2014	17:20	Tech:	SS	
Paramet	ter	Te	st Result*	Units		Test Method
Fecal Co	oliform		100	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab/Manager, ELAP Lab ID #10924

09-Jul-14

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CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	ter			
Order c	omment:					
Order IE):	122441				
Sample	Number:	217956				
Sample	Location:	Site #3, grab)			
Sample	Comment:	FC rec'd at §	5.8 deg C.			
Date/Tin	ne sample collected:	7/7/2014	14:05	Collected By:	RS	
Date/Tin	ne sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Tin	ne sample analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	ter	Те	est Result*	Units		Test Method
Fecal Co	oliform		60	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

 \sim

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order II	D:	122441				
Sample	Number:	217957				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 9	.6 deg C.			
Date/Tir	ne sample collected:	7/7/2014	14:10	Collected By:	RS	
Date/Tir	ne sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Tir	ne sample analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	ter	Te	st Result*	Units		Test Method
Fecal Co	oliform		100	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order II	D:	122441				
Sample	Number:	217958				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 8	.1 deg C.			
Date/Ti	me sample collected:	7/7/2014	14:15	Collected By:	RS	
Date/Ti	me sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Tir	me sample analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	iter	Те	st Result*	Units		Test Method
Fecal C	oliform		40	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units:

Results Comment:

29

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	omment:					
Order ID:		122441				
Sample	Number:	217959				
Sample	Location:	Site #6, grab	i			
Sample	Comment:	FC rec'd at 5	.7 deg C.			
Date/Ti	me sample collected:	7/7/2014	14:07	Collected By:	RS	
Date/Ti	me sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Ti	me sampie analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	ətər	Te	est Result*	Units		Test Method
Fecal C	oliform		110	CFU/100m	ıL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO) #	
	Kingatoti					
Client F	Project Name:	Rondout Cree	ek			
Sample	Type:	Surface Wate	ər			
Order c	comment:					
Order ID:		122441				
Sample	Number:	217960				
Sample	• Location:	Site #7, grab				
Sample	e Comment:	FC rec'd at 1	3.5 deg C.			
Date/Ti	me sample collected:	7/7/2014	14:40	Collected By:	RS	
Date/Ti	me sample received:	7/7/2014	16:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/7/2014	17:20	Tech:	SS	
Parame	əter	Te	st Result*	Units		Test Method
Fecal C	oliform		60	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				17.	
	420 Broadway Kingston	NY	12401	PO) #		
Client P	Project Name:	Rondout Cree	ek				
Sample	Type:	Surface Wate	er				
Order comment:							
Order ID:		122441					
Sample	Number:	217961					
Sample	Location:	Duplicate, gra	ab				
Sample	Comment:	FC rec'd at 6	3 deg C.				
Date/Ti	me sample collected:	7/7/2014	14:10	Collected By:	RS		
Date/Ti	me sample received:	7/7/2014	16:00	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	7/7/2014	17:20	Tech:	SS		
Parame	eter	Te	st Result*	Units	Test Meth	od	
Fecal Coliform			110	CFU/100mL SM 18 922		2D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jui-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Ci	reek		
Sample	Туре:	Water			
Order c	omment:				
Order II	D:	122441			
Sample	Number:	217976			
Sample	Location:	Blank-QC			
Sample	Comment:	100 mL buf	fered rinse water us	ed	
Date/Ti	me sample collected:	7/7/2014	17:20	Collected By:	
Date/Ti	me sample received:	7/7/2014	17:20	Received by:	Amy Jo
Date/Tit	me sample analyzed:	7/7/2014	17:20	Tech:	SS
Parame	ter	1	est Result*	Units	Test Method
Fecal C	oliform		< 1	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units,

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Eng Attn: Alan Adin	gineers Office		
Kingston	NY 12401	PO #	
Sample Type:	Surface Water		
Client Project Name: Order comment:	Rondout Creek		
Order ID: 122441	Sample Number: 217954		
Sample Location:	Site #1, grab		
Date/Time sample collected	: 7/7/2014 13:48	Sample Collected By: RS	
Date/Time samples received	1: 7/7/2014 16:00	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 7.7 deg C.		
Parameter:	Test Result Units	Test Method Test Date Test Time	Tech**
Total Suspended Solids	5 mg/L	SM20 2540 D 7/8/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F 7/7/2014 16:35	SW
Order ID: 122441	Sample Number: 217955		
Sample Location:	Site #2, grab		
Date/Time sample collected	: 7/7/2014 13:57	Sample Collected By: RS	
Date/Time samples received	d: 7/7/2014 16:00	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 6.6 deg C.		
Parameter:	Test Result Units	Test Method Test Date Test Time	Tech**
Total Suspended Solids	6 mg/L	SM20 2540 D 7/8/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F 7/7/2014 16:35	SW
Order ID: 122441	Sample Number: 217956		
Sample Location:	Site #3, grab		
Date/Time sample collected	: 7/7/2014 14:05	Sample Collected By: RS	
Date/Time samples received	d: 7/7/2014 16:00	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 5.8 deg C.		
Parameter:	Test Result Units	Test Method Test Date Test Time	Tech**
Total Suspended Solids	6 mg/L	SM20 2540 D 7/8/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F 7/7/2014 16:35	SW
Order ID: 122441	Sample Number: 217957		
Sample Location:	Site #4, grab		
Date/Time sample collected	: 7/7/2014 14:10	Sample Collected By: RS	
Date/Time samples received	d: 7/7/2014 16:00	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 9.6 deg C.		
Parameter:	Test Result Units	Test Method Test Date Test Time	e Tech**
Total Suspended Solids	4 ma/L	SM20 2540 D 7/8/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F 7/7/2014 16:35	5 SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine	ers Office					
Attn: Alan Adin						
420 Broadway						
Kingston	NY	12401		P	D #	
Order ID: 122441 San	ple Number:	217958				
Sample Location:	Site #5 gra	h				
Date/Time sample collected:	7/7/2014	14.15	Sample Collected F	RV RS		
Date/Time samples received:	7/7/2014	16:00	Sample Received b	v: Am	/ Jo	
Sample Comment:	FC rec'd at	8.1 deg C.		.	,	
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/7/2014	16:35	SW
Order ID: 122441 Sam	ple Number:	217959				
Sample Location:	Site #6, gra	b				
Date/Time sample collected:	7/7/2014	14:07	Sample Collected E	By: RS		
Date/Time samples received:	7/7/2014	16:00	Sample Received b	y: Amy	/ Jo	
Sample Comment:	FC rec'd at	5.7 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/7/2014	16:35	SW
Order ID: 122441 Sam	ple Number:	217960				
Sample Location:	Site #7, gra	b				
Date/Time sample collected:	7/7/2014	14:40	Sample Collected E	By: RS		
Date/Time samples received:	7/7/2014	16:00	Sample Received b	y: Amy	/ Jo	
Sample Comment:	FC rec'd at	13.5 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/7/2014	16:35	SW
Order ID: 122441 Sam	ple Number:	217961				
Sample Location:	Duplicate, g	rab				
Date/Time sample collected:	7/7/2014	14:10	Sample Collected E	By: RS		
Date/Time samples received:	7/7/2014	16:00	Sample Received b	y: Amy	Jo	
Sample Comment:	FC rec'd at	6.3 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	mg/L	SM20 2540 D	7/8/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/7/2014	16:35	SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

12401

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

21-Jul-14 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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SMITH LABOR 4 Scenic Drive Hyde Park, NY Phone: 845-229 Fax: 845-229	ATORY 12538-1313 -6536 -6538	Turnaround Time RUSH [] (Rush ** Date report re	: Standa surcharg	ge appl	ies)	ALIN		Copy results Local Health Yes N	n Dept.	Amt Du Amt Pai Pmt Me Receipt	e: d: thod : No:		
Client Name:	CITY OF KING	STON			Client	t Phone	No: _845	-334-3968	Project/F	acility Name: _RO	NDOUT	CREEK	ſ
Mailing Address:	: 420 BROADW	/AY	I		Client	Email:	aadin@	kingston-ny.	gov	Location:			
	KINGSTON, 1	NY 12401			Сору	Report	To:_RAL	PH SWENSC	DN PWS Fee	ID No: NY-			
LAB USE ONLY	CL	IENT: COMPLE	FE THE	SAMP	LE INF	ORM	ATION IN	THE SPAC	E PROVIDED BELOW		LAI	USE OF	VLY
Order ID No:	Sample Ide	ntification &		()	heck Or	ne)	Treatment	Date/Time	Analysis	Container &	Iced	Sample Temp,	Pres. at Lab
Sample No:	Samp	le Point	Matrix	Grab	Comp # hrs	First Draw	Type & Residual	Sampled 7-7-14	Requested	Preservative	Y/N	Deg C	YN
RINARUALA	SITE #1		SW	×				1:480	SS TSS	I-ILPLAS I-I/2 L PLAS	4	E. 9, 9	て
1 955	SITE #2		SW	×				451:570	SS TSS	I-ILPLAS I-1/2 L PLAS	_	bhles	(
956	SITE #3		SW	×				2:050	SS TSS	I-ILPLAS I-I/2 L PLAS		K'gbr	
720	SITE #4		SW	x				201:2	SS TSS	I-ILPLAS I-1/2 L PLAS		>.4 4.<	
958	SITE #5		SW	x				2:15P	SS TSS	I-ILPLAS I-I/2 L PLAS		51/4.1	
959	SITE #6		SW	×			1	2:070	SS TSS	I-ILPLAS I-1/2 L PLAS		4.43.8	
916	SITE #7		SW	×				2:400	SS TSS	I-ILPLAS I-1/2 L PLAS		15%31	
Jac c	DUPLICATE		SW	Х				2:108	SS TSS	1-1LPLAS 1-1/2 L PLAS	f	5.4.0	t
			64 Y 1							•			
Sampled By: (Name)	A RAWH	SINTN SON				Title)	TH E	VGINEE	I hereby affirm that the	e information above is tr	ue and co	mplete to th	ie best of
my knowledge. 1 als Sample Relinquished	By: ALAN /	AD IN	iless outer p	раушсис	Receive	ants are ap ed By:				Date:		Time:	
Sample Relinquished	IBy:				Receive	ed at Lab	By:	NO		Date: 7/7	4114	Time 6	8
Sample(s) received i Thermal Preservatio	met the following req m: NA Yes No	uirements				Comm	ents:						
Chemical Preservati	ion: NA Yes No												
Correct Bottle Type	Yes No												
Other						Omish I	horston, Cho	in of Custody D	A 3/14 Data	Review Mor	h	Date 7	2

Attach nt 1 - Sampling	J Event Summary Shee	t	tί	5 15/12/1
nitials: Sampling Team:	AF) A ADIN/R.SWEN	Sou A. WINCHA	Date:	<u>+1317</u> Pageor
Weather:	(IENC		Temperaturer	
Direction of Flow:	OUT ETITOZUY		- LOW TIDE	1:30PM.
Sampling Location	Time	Field Parameter	Physical Observations	Comments
SITE #1: MID-RONDOUT	LATITOE: 41907	DO 7.1.44/L	Grease NOWE	ADDROX IS YDS WESTERLY OF FLENEY DRY
REEK APPROX. 250 YOS	LONGITUDE: 74004	temperature 26.5°C	Floatables NONE	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	LIS ANA	temperatures e 19	Odors NONE	FEENEY AND RECYCLING BUSINESS
CITE # 7. MID-RONCOUT	LAT: 41912	no 7.2 m/L	Grease NONE	50 VDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 73.992	temperature 25.7°C	Floatables NONE-	CAUSEWAY CULVERTS
or public interes	11:28 km	temperatore	Odors NONE	A LE EQUITED IN
SITE #3; MID-	LAT: ALGIS	DO 7.3 Mg/L	Grease Nove	25 VDS SOUTHERLY OF OLD STEEL
RONDAT CREEK	LONG: 73985.	temperature 25.5°C.	Floatables NOVE	BOILER PROTEUDING FROM WATER NEAR
IPSTREAM OF OLD	11.34A	tomportation	Odors NOME	ISCARD COCK POLICY
SITE #6: MID-	LAT: 41.918	DO 7.3/m/L	Grease NONE	TIDE: OF CLEARWATER
RONDOUTCREEK	LONG: 73.981	temperature 25.1°C	Floatables NEME	MAINTENANCE SHED, DOUBLE SLIDE DOOR
UNDER NEW DRIVOT	: 11:40A	composition of the second s	Odors NONE	ST CAELEOIN
CITE #4: MID-	LAT: 41.419	DO 7.2 = 249/L.	Grease NONE	TIDE: OF STEELHOUSE
RONDAUT CREEK	LONG: 73 474	temperature 25,0 °C	Floatables NONE	RESTAURANT CONFRED PATIO
DOWNSTREAM OF	11:444		Odors NONE.	a m (A m C()/
SITE #5: MID-	LAT: 41972	DO 7.4 mg/2.	Grease None	TIDE SOUTHERLY OF GAS LINE
RONDONT CREEK	LONG: 73,949	temperature 24,8°C	Floatables NOWE	CROSSING WARNING SIGN
PARK	11:52 1000		Odors NONE	1 5 4 1 5 1 1 5 PEAN - 40(
SITE #7: MID-	LAT: 41.890	DO lail mg/L	Grease NOME	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
RONDONT CREEK APPRON	LON6: 74.01	temperature 25.50	Floatables NONE	END BOAT LAVNCH
EDDYVILLE DAM AT	12:30 P~		Odors NOW	
	LAT:	DO	Grease	SITE #5
DUDLICATE	LONGISTE#5	temperature	Floatables	
			Odors	



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cree	ek			
Sample	Туре:	Surface Wate	Pr			
Order c	omment:					
Order ID:		122820				
Sample	Number:	218783				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 8.	.1 deg C.			
Date/Ti	me sample collected:	7/18/2014	11:13	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	ater	Te	st Result*	Units	Units	
Fecal Coliform		10		CFU/100mL SM 18 922		SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office	12401	PO	#	
Client P	Project Name:	Rondout Cree	k			
Sample	Type:	Surface Wate	r			
Order comment: Order ID:						
		122820				
Sample	Number:	218784				
Sample	Location:	Site #2, grab				
Sample	e Comment:	FC rec'd at 9.	8 deg C.			
Date/Ti	me sample collected:	7/18/2014	11:28	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	eter	Tes	st Result*	Units		Test Method
Fecal Coliform		20		CFU/100mL SM 18 9222D		SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office	10101	10	.44	
	Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cree	łk			
Sample	Type:	Surface Wate	ſ			
Order comment: Order ID:						
		122820				
Sample	Number:	218785				
Sample	Location:	Site #3, grab				
Sample	Comment:	FC rec'd at 8.	2 deg C.			
Date/Ti	me sample collected:	7/18/2014	11: 34	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	eter	Tes	st Result*	Units		Test Method
Fecal Coliform		30		CFU/100mL		SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

÷

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO) #	
Client P	Project Name:	Rondout Cree	ek.			
Sample	Туре:	Surface Wate	r			
Order comment: Order ID:						
		122820				
Sample	Number:	218786				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 9.	8 deg C.			
Date/Ti	me sample collected:	7/18/2014	11:44	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	ter	Tes	st Result*	Units		Test Method
Fecal Coliform		50		CFU/100m	ıL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cree	k			
Sample	Type:	Surface Wate	r			
Order comment:						
Order II	D:	122820				
Sample	Number:	218787				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 11	.7 deg C.			
Date/Ti	me sample collected:	7/18/2014	11: 52	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	eter	Tes	st Result*	Units		Test Method
Fecal C	oliform		50	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

37

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client F	Project Namo:	Rondout Cree				
Sample	Tupe:	Surface Wate				
Order comment: Order ID:						
		122820				
Sample	Number:	218788				
Sample	Location:	Site #6, grab				
Sample	Comment:	FC rec'd at 9.	8 deg C.			
Date/Ti	me sample collected:	7/18/2014	11:40	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	ətər	Te	st Result*	Units		Test Method
Fecal Coliform		60		CFU/100mL SM 18 9		SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway	NY	12401	PO	#	
	Kingston	INT	12401			
Client F	Project Name:	Rondout Cree	ek			
Sample	Type:	Surface Wate	er			
Order c	comment:					
Order I	D:	122820				
Sample	Number:	218789				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 19	9.0 deg C,			
Date/Ti	me sample collected:	7/18/2014	12:30	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	ətər	Te	st Result*	Units		Test Method
Fecal C	oliform		< 10	CFU/100m	iL.	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office				
	420 Broadway					
	Kingston	NY	12401	PO) #	
Client P	Project Name:	Rondout Cre	ek			
Sample	Type:	Surface Wat	er			
Order c	omment:					
Order II	D:	122820				
Sample	Number:	218790				
Sample	Location:	Duplicate, gr	da			
Sample	Comment:	FC rec'd at 3	3.4 deg C.			
Date/Ti	me sample collected:	7/18/2014	11:52	Collected By:	RS/AA	
Date/Ti	me sample received:	7/18/2014	14:00	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS	
Parame	ater	Те	est Result*	Units		Test Method
Fecal C	oliform		90	CFU/100m	٦L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lao Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC) #		
Client P	Project Name:	Rondout Cr	eek				
Sample	Туре:						
Order c	omment:						
Order II	D:	122820					
Sample	Number:	218833					
Sample	Location:	Blank QC					
Sample	Comment:	100 mL of t	ouffered rinse wa	ed rinse water used.			
Date/Ti	me sample collected:	7/18/2014	16:50	Collected By:			
Date/Ti	me sample received:	7/18/2014	16:50	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	7/18/2014	16:50	Tech:	SS		
Parame	ter	т	est Result*	Units	Test Method		
Fecal C	oliform		< 1	CFU/100m	nL SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

22-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401		PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek			
Order ID: 122820 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 218783 Site #1, grab 7/18/2014 11:13 7/18/2014 14:00 FC rec'd at 8.1 deg C.	Sample Collected By Sample Received by:	: RS/AA Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test ResultUnits2mg/L< 0.1	Test Method T SM20 2540 D 7/ SM20 2540F 7/	Test Date Test Time /23/2014 15:20	Tech** SW SW
Order ID: 122820 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 218784 Site #2, grab 7/18/2014 7/18/2014 11:28 7/18/2014 14:00 FC rec'd at 9.8 deg C.	Sample Collected By Sample Received by	r: RS/AA : Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test ResultUnits3mg/L< 0.1	Test Method 7 SM20 2540 D 7 SM20 2540F 7	Test Date Test Time /23/2014 /18/2014 /18/2014 15:20	Tech** SW SW
Order ID: 122820 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 218785 Site #3, grab 7/18/2014 7/18/2014 11:34 7/18/2014 14:00 FC rec'd at 8.2 deg C.	Sample Collected By Sample Received by	r: RS/AA : Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 2 mg/L < 0.1 mL/L	Test Method 7 SM20 2540 D 7 SM20 2540F 7	Test Date Test Time /23/2014 /18/2014 /18/2014 15:20	Tech** SW SW
Order ID: 122820 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 218786 Site #4, grab 7/18/2014 11:44 7/18/2014 14:00 FC rec'd at 9.8 deg C.	Sample Collected By Sample Received by	y: RS/AA r: Amy Jo Test Date Test Time	Tech**
Parameter: Total Suspended Solids Solids, Settleable	fiest Result Onits 6 mg/L < 0.1 mL/L	SM20 2540 D 7 SM20 2540F 7	7/23/2014 7/18/2014 15:20	SW SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engi	neers Office			
Attn: Alan Adin				
420 Broadway		2.1		
Kingston	NY 124	01	PO #	
Order ID: 122820 S	ample Number: 21	18787		
Sample Location:	Site #5, grab			
Date/Time sample collected:	7/18/2014 11:	:52 Sample Coll	ected By: RS/AA	
Date/Time samples received:	7/18/2014 14:	:00 Sample Rec	eived by: Amy Jo	
Sample Comment:	FC rec'd at 11.7	/ deg C.		
Parameter:	Test Result U	nits Test Method	Test Date Test Time	Tech**
Total Suspended Solids	2 n	ng/L SM20 2540 D	7/23/2014	SW
Solids, Settleable	< 0.1 n	nL/L SM20 2540F	7/18/2014 15:20) SW
Order ID: 122820 S	ample Number: 21	18788		
Sample Location:	Site #6, grab			
Date/Time sample collected:	7/18/2014 11	:40 Sample Coll	ected By: RS/AA	
Date/Time samples received:	7/18/2014 14	:00 Sample Rec	eived by: Amy Jo	
Sample Comment:	FC rec'd at 9.8	deg C.		
Parameter:	Test Result U	Inits Test Method	Test Date Test Time	e Tech**
Total Suspended Solids	3 n	ng/L SM20 2540 D	7/23/2014	SW
Solids, Settleable	< 0.1 n	nL/L SM20 2540F	7/18/2014 15:20) SW
Order ID: 122820 S	ample Number: 21	18789		
Sample Location:	Site #7, grab			
Date/Time sample collected:	7/18/2014 12	:30 Sample Coll	ected By: RS/AA	
Date/Time samples received:	7/18/2014 14	:00 Sample Rec	eived by: Amy Jo	
Sample Comment:	FC rec'd at 19.0) deg C.		
Parameter:	Test Result U	Inits Test Method	Test Date Test Time	e Tech**
Total Suspended Solids	4 n	ng/L SM20 2540 D	7/23/2014	SW
Solids, Settleable	< 0.1 n	nL/L SM20 2540F	7/18/2014 15:20) SW
Order ID: 122820 S	ample Number: 21	18790		
Sample Location:	Duplicate, grab			
Date/Time sample collected:	7/18/2014 11	:52 Sample Coll	lected By: RS/AA	
Date/Time samples received:	7/18/2014 14	:00 Sample Rec	eived by: Amy Jo	
Sample Comment:	FC rec'd at 3.4	deg C.		
Parameter:	Test Result U	Inits Test Method	Test Date Test Time	e Tech**
Total Suspended Solids	4 r	ng/L SM20 2540 D	7/23/2014	SW
Solids, Settleable	< 0.1 r	nL/L SM20 2540F	7/18/2014 15:20) SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

12401

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

25-Jul-14 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is

Sector Drive Sector Drive Prode: BA:229-6533 Turnaround Time: Standard $\[\]$ Chail NOT COULT Ann Date Product Rescale Production Productin Pr								ents:	Comm	we with the part of the second second			quirements	e Yes No_	Sample(s) received Thermal Preservati Chemical Preserva Correct Bottle Typ
MITH LABOR TORY CHAIN OF OUT OF	8	Time: 14	14	Date: 7/18		T	and	3y:	ed at Lab I	Receive	a santan na sa			d By:	Sample Relinquishe
Securit Dive Turnaround Time: Standard \checkmark Chain V C USU 1 Ant Dec. Securit Dive REVER	f	Time:		Date:			0		ed By:	Receive	'		ADIN	d By: ALW	Sample Relinquishe
MITH LABORATORY CHAIN OF CONTON Ann Due: Sectio Drive RUST [] RUST [] Russ survey and runs: Sample Rest Copy results on the run of the ru	best of	nplete to the	e and con	information above is tru	_ I hereby affirm that the ory.	h Laborate	ance by Smit	broved in adva	Title) EN	arrangeme	payment	No.	SON ALAN AN I sponsible for payment, u	e) RALPH SWEWS	Sampled By: (Namu my knowledge. I al
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				•		1100	ENGINE	<							
CHAILOF CUSULT Anti-Dec Copy results to py		PSK'	t	1-1LPLAS 1-1/2 L PLAS		TSS SS	11:52 A				×	WS		DUPLICATE	1790+
MITH LABORATIONY CHAIL OF CULUI Ann Due: Seemic Drive are: 845-229-638 Turnaround Time: Standard $\[\] \]$ Copy results to Yes Ann Due: No $\[\] \]$ Ann Due: Ann Due: Near Project/Facility Name: RONDOUT CREEK_ 'hom: 845-229-638 ** Date report reguested: Client Phone No: $\] 845-334-3968$ Project/Facility Name: RONDOUT CREEK_ 'hom: 845-229-638 ** Date report reguested: Client Phone No: $\] 845-334-3968$ Project/Facility Name: RONDOUT CREEK_ 'hom: 845-229-638 ** Date report reguested: Client Phone No: $\] 845-334-3968$ Project/Facility Name: RONDOUT CREEK_ 'hom: 845-229-6538 ** Date report reguested: Client Email: _ aadin@kingston-ny.gov Location: 'lating Address: 420 BROADWAY CLENT: COMPLETE THE SAMPLE INFORMATION IN THE SPACE PROVIDED BELOW Location: 'lating Address: Sample Foint Marix Grab Comp Treament Date Fine 'lating Address: SITE #1 SW X Image Address Single Container & locd Simple Preservaive V/V 'lating Address: SITE #3 SW X Image Address Simple Preservaive V/V Dee Container & locd Simple Preservaive V/V<		4.81/30x		1-1LPLAS 1-1/2 L PLAS		P SS TSS	12:30				×	WS		SITE #7	789
MITH LABOKATORY CHAIN OF CUTUT Ann Dac. Local Health Dept. Ann Dac. Ann Educ. Scenic Drive Scenic Drive and Sc229-6536 $\mathbf{KUSH} [(keck surcharge applies)] Ko [] No []$		Zh/Reo	-	1-1LPLAS 1-1/2 L PLAS		SS TSS	11:404				×	SW		SITE #6	788
MMTH LABORATORY CHAIN OF CUSTOR Ann Due: Seenic Drive RUSH $[$ (Rush surcharge applies) Local Halth Dept. Ann Due: 'hon: 845-229-6538 RUSH $[$ (Rush surcharge applies) Local Halth Dept. Project/Facility Name:_RONDUT CREEK_ 'hon: 845-229-6538 ** Date report requested: Client Phone No: $_{845-334-3968}$ Project/Facility Name:_RONDUT CREEK_ 'hailing Address: 420 BROADWAY Client Phone No: $_{845-334-3968}$ Project/Facility Name:_RONDUT CREEK_ 'alling Address: 420 BROADWAY Client Email: _aadin@kingston-ny.gov Location: 'string Form KINGSTON, NY 12401 Copy Report To: _RALPH SWENSON PWS Fed ID No: NY- 'string Form KINGSTON, NY 12401 Check One) Treament Signing Sample demification & Marxing First Tree Sample To: _RALPH SWENSON PWS Fed ID No: NY- 'string First Type Voc Sumple boint Marxing Grand, Grand Comp Treament Residual Analysis Comainer & Inger Provide Torget Vinger V		20. Kilo		1-1LPLAS 1-1/2 L PLAS		SS TSS	11:522				×	SW		SITE #5	787
MITH LABORATORY CHAIN OF COLUT Annt Due: Local Health Dept. Annt Due: Annt Due: Nore: 2009 Fails to Project/Facility Name: CITY OF KINGSTON Annt Due: Annt Paid: Nore: 2009 Fails surcharge applies) Annt Due: Local Health Dept. Annt Due: Necept No: Necept No: 2009 Facility Name: RONDOUT CREEK Silient Name: CITY OF KINGSTON Issue applies Client Phone No: _845-334-3968 Project/Facility Name: RONDOUT CREEK Annt Due: NV 12401 Client Email: _aadin@kingston-ny.gov Location:		5. 7.3	A	1-1LPLAS 1-1/2 L PLAS		SS TSS	1:444				×	SW		SITE #4	786
MITH LABORATORY CHAIN OF CUSION Ann Due: Seenic Drive Sumple Signal 313 Turnaround Time: Standard Copy results to Ann Dept. Seenic Drive RUSH (Rush surcharge applies) Local Health Dept. Project/Facility Name:_RONDOUT CREEK_ 'hone: 845-229-6538 ** Date report requested: Client Phone No: _845-334-3968 Project/Facility Name:_RONDOUT CREEK_ 'haiting Address: 420 BROADWAY Client Phone No: _845-334-3968 Project/Facility Name:_RONDOUT CREEK_ 'haiting Address: 420 BROADWAY Client Phone No: _845-334-3968 Project/Facility Name:_RONDOUT CREEK_ 'haiting Address: 420 BROADWAY Copy Report To: _RALPH SWENSON_ PWS Fed ID No: NY		16.4h.4		1-1LPLAS 1-1/2 L PLAS		TSS TSS	11:344				X	SW		SITE #3	182
MITH LABORATORY CHAILY OF CUSTOR Ann Due: Seenic Drive Furnaround Time: Standard [] Copy results to Ann Due: Seenic Drive RUSH [] (Rush surcharge applies) Local Health Dept. Ann Due: hone: 845-229-6538 ** Date report requested: Yes [] No [V] No [V] Receipt No: 'ax: 845-229-6538 ** Date report requested: Client Phone No: [845-334-3968] Project/Facility Name: _RONDOUT CREEK 'lient Name: _CITY OF KINGSTON_ Client Phone No: [845-334-3968] Project/Facility Name: _RONDOUT CREEK 'lient Name: _CITY OF KINGSTON, NY 12401 Copy Report To: _RALPH SWENSON PWS Fed ID No: NY		9. 1/3.1		1-1LPLAS 1-1/2 L PLAS		SS TSS	11:284				x	SW		SITE #2	184 I
MITH LABORATORY Chain OF CUSTOFT Annt Due: Scenic Drive Formaround Time: Standard $$ Copy results to Annt Due: System Drive RUSH $[$ (Rush surcharge applies) Local Health Dept. Project/Facility Name:_RONDOUT CREEK_ 'hone: 845-229-6538 ** Date report requested: Client Phone No: $[845-334-3968]$ Project/Facility Name:_RONDOUT CREEK_ 'hone: 845-229-6538 ** Date report requested: Client Phone No: $[845-334-3968]$ Project/Facility Name:_RONDOUT CREEK_ 'lient Name: _CITY OF KINGSTON, NY 12401 Client Email: _ aadin@kingston-ny.gov Location:	2	the provi	1	1-1LPLAS 1-1/2 L PLAS		SS TSS	11:132				х	SW		SITE #1	946878181
MITH LABORATORY CHAIN OF CUSTOUT Amt Due: Scenic Drive Scenic Drive Amt Due: Amt Due: Scenic Drive RUSH [] (Rush surcharge applies) Local Health Dept. Amt Dept. 'bone: 845-229-6538 ** Date report requested: Yes] No [V] Project/Facility Name: _RONDOUT CREEK 'ax: 845-229-6538 ** Date report requested: Client Phone No: _845-334-3968 Project/Facility Name: _RONDOUT CREEK 'ax: 845-229-6538 Client Phone No: _845-334-3968 Project/Facility Name: _RONDOUT CREEK 'lient Name: CITY OF KINGSTON, NY 12401 Client Email:aadin@kingston-ny.gov Location:	Pres. at Lab Y/N	Sample Temp, Deg C	Iced Y/N	Container & Preservative	Analysis Requested		Date/Time Sampled	Treatment Type & Residual	ne) First Draw	Check O Comp # hrs	() Grab	Matrix	lentification & ple Point	Sample Id Sam	Sample No:
MITH LABORATORY Amt Due: Scenic Drive Turnaround Time: Standard Yde Park, NY 12538-1313 Turnaround Time: Standard RUSH (Rush surcharge applies) Local Health Dept. Yes No Yes Project/Facility Name: _RONDOUT CREEK_ Anti Name: _Copy Report To: _RALPH SWENSON PWS Fed ID No: NY-	LY	USE ON	LAB		OVIDED BELOW	CE PR	THE SPA	TION IN	ORMA	PLE INI	SAMI	TE THE	LIENT: COMPLE	CI	AB USE ONLY
MITH LABORATORY Ant Due: Scenic Drive Turnaround Time: Standard / Scenic Drive RUSH (Rush surcharge applies) Yohone: 845-229-6536 ** Date report requested: Client Phone No: _845-334-3968 No Project/Facility Name: _RONDOUT CREEK Nailing Address: 420 BROADWAY Client Email:aadin@kingston-ny.gov Location:				ID No: NY-	PWS Fed	NOS	H SWEN	To:_RALP	Report	Сору			NY 12401	KINGSTON,	
SMITH LABORATORY Ant Due: Scenic Drive Turnaround Time: Standard Standard Image: Standard Scenic Drive Copy results to Standard Image: Standard Scenic Drive Copy results to Standard Image: Standard Standard <t< td=""><td>1</td><td></td><td></td><td>ocation:</td><td></td><td>y.gov</td><td>cingston-n</td><td>aadin@k</td><td>t Email:</td><td>Client</td><td></td><td></td><td>WAY</td><td>s: 420 BROAD</td><td>Mailing Addres</td></t<>	1			ocation:		y.gov	cingston-n	aadin@k	t Email:	Client			WAY	s: 420 BROAD	Mailing Addres
SMITH LABORATORY CHAIN OF CUSIOUT Amt Due: Scenic Drive Amt Due: Amt Due: Scenic Drive Turnaround Time: Standard Copy results to Amt Due: Syde Park, NY 12538-1313 Turnaround Time: Standard Copy results to Amt Paid: Syde Park, NY 12538-1313 Turnaround Time: Standard Copy results to Amt Paid: Syde Park, NY 12538-1313 RUSH (Rush surcharge applies) Local Health Dept. Pmt Method : Star: 845-229-6538 ** Date report requested: Yes No V No V Receipt No:		CREEK	IDOUT	cility Name: _RON	Project/Fa		334-3968_	No: _845-3	t Phone	Clien			JSTON	_CITY OF KING	Client Name:
SMITH LABORATORY Scenic Drive Scenic Drive Scenic Drive Scenic Drive Standard V ChAIN OF CUSIOUT Scenic Drive Scenic Drive Standard V Copy results to Dent Method			No:	Receipt 1			Yes			ues)	rge app	quested.	KUSH [] (Kush ** Date report re	9-6538	Phone: 845-229 Fax: 845-229
MITH LABORATORY CHAIN OF CUSIOUI Amt Due:				Amt Paic		lts to	Copy resu				ard $$:: Stand	Turnaround Time	12538-1313	Hyde Park, NY
				Amt Due			TODX		AIN	CH				RATORY	4 Scenic Drive

Attach	nt 1 - Sampling Event Summary Sheet
--------------------	-------------------------------------

Initials:	(AA)		- Date:	
Sampling Team: Weather:	A. ADIN/A. WINCHE H-H-H- clear	U/J. RODZEWSLAT	Temperature:	in Ses
Direction of Flow:	IN WESTERLY		- HIGH TIDE 1	1:52-A
Sampling Location	Time	Field Parameter	Physical Observations	
SITE #1: MID-RONDOUT	LATITOE: 41.907	DO 6.9 mg/L.	Grease NONE	ADDRAX 15 YDS WESTERLY OF FLENEY DRY
UPSTREAM OF WILBUR	LONGITUDE: 74.004	temperature 27.1°C	Floatables NONE	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	10:05 A		Odors NONE	FEELEY AND FOR THE IN
SITE # 2: MID-RONCOUT	LAT: 41.9/2	DO 77.29/6	Grease AMALE	50 YDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 73.942	temperature 210.2°C	Floatables NONE	CAUSEWAY CULVERTS
	10:15 A.		Odors NONE	
SITE # 3: MID-	LAT: 41,915	DO 7.9 mg/L	Grease NOME	TIDE: IN MESTECHT
RONDAUT CREEK	LONG: 73.985	temperature 26.2°C	Floatables NONE	BOILER PROTRUDING FROM WATER NEAR
UPSTREAM OF OLD	10:22A		Odors NONE	ISLAND DOCK DOLLAND IS
SITE #6; MID-	LAT: 41.918	DO 7.9.mg/L	Grease None	TIDE: IN MESTERLY OF CLEARWATER
RONDOUT CREEK	E LONG: 73.981 - 10:35A	temperature 24.5°C.	Floatables NONE	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER WEW DRIVES			Odors NONE	
SITE #4; MID-	LAT: 41 919	DO 8.1 mg/L	Grease NONE	FINE SOUTHERLY OF STEELHOUSE
RONDOUT CREEK	LONG: 73979	temperature 26,4°C	Floatables MINI math	RESTAURANT CONFRED PATIO
DOWNSTREAM OF	10:38 A		Odors NONE	VEGETATIVE MATTER
SITE #5: MID-	LAT: 41.922	100 6.8 mg/L	Grease NONE	TIDE: IN MESTERIA & GAS LINE MORE DIS OCCURE
RONDONT CREEK	LONG: 73.964	temperature 212.9°C	Floatables SomE	CROSSING WARNING SIGN LURGER
PARK	10:46A	Could a construct of the state	Odors NEAL	MORE VEGETATIVE METTLERT, DEBRIS
SITE #7: MID-	LAT: 48-41.89	DO 10.0 mg/L	Grease MONE	FLOW: ALWAYS EASTERLY (DOWN STREAM) - LOCATION
RONDAUT CREEK APPROX	LONG: 73.01	temperature 76.4°C	Floatables NONF	END BOAT LANNCH
EDDYVILLE DAM AT	11:27A	tomporataro per 1	Odors NUME	
1- TSUEL BOAR DIVIN CH	LAT:	DO	Grease	
DUPLICATE	LONG: STE #6	temperature	Floatables	SITE #6
		Comportation of	Odors	

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO) #	
Client F	Project Name:	Rondout Cree	łk			
Sample	Type:	Surface Wate	ır			
Order o	omment:					
Order ID:		122910				
Sample	Number:	218963				
Sample	e Location:	Site #1, grab				
Sample	e Comment:	FC rec'd at 8.	9 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:05	Collected By:	AA	
Date/Time sample received:		7/23/2014	12:35	Received by:	Amy Jo)
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Param	ater	Te	st Result*	Units		Test Method
Fecal C	Coliform		80	CFU/100m	٦L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office				
	Kingston	NY	12401	PO	#	
Client F	Project Name:	Rondout Cree	ek			
Sample	Туре:	Surface Wate	er			
Order o	comment:					
Order i	D:	122910				
Sample	Number:	218964				
Sample	Location:	Site #2, grab				
Sample	e Comment:	FC rec'd at 7.	.6 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:15	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Param	eter	Te	st Result*	Units		Test Method
Fecal C	Coliform		30	CFU/100m	ιĹ	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY 12401		PC)#	
Client F	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order c	comment:					
Order II	D:	122910				
Sample	Number:	218965				
Sample	Location:	Site #3, grab				
Sample	Comment:	FC rec'd at 7	.3 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:22	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Parame	eter	Te	st Result*	Units	Test Method	
Fecal C	oliform		40	CFU/100m	L SM 18 9222D)

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office				
	Kingston	NY	12401	PO	#	
Client P	Project Name:	Rondout Cree	k			
Sample	Type:	Surface Wate	r			
Order c	omment:					
Order II	D:	122910				
Sample	Number:	218966				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 9.	9 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:38	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Parame	əter	Te	st Result*	Units		Test Method
Fecal C	oliform		30	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	Kingston	NY	2401	PO)#	
Client F	Project Name:	Rondout Cree	k			
Sample	Туре:	Surface Wate	r			
Order o	omment:					
Order II	D:	122910				
Sample	Number:	218967				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 14	.1 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:46	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	1
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Parame	ətər	Tes	st Result*	Units		Test Method
Fecal C	oliform		70	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client F	Project Name:	Rondout Cre	ek		2	
Sample		Surface Wat	er			
Order c	comment:					
Order I	D:	122910				
Sample	Number:	218968				
Sample	Location:	Site #6, grab				
Sample	a Comment:	FC rec'd at 6	.8 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:35	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Param	eter	Te	est Result*	Units		Test Method
Fecal C	Coliform		50	CFU/100m	٦L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	420 Broadway					
	Kingston	NY	12401	PC) #	
Client F	Project Name:	Rondout Cree	ek			
Sample	Туре:	Surface Wate	er			
Order c	comment:					
Order il	D:	122910				
Sample	Number:	218969				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 1	5.7 deg C.			
Date/Ti	me sample collected:	7/23/2014	11:27	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Parame	eter	Te	st Result*	Units		Test Method
Fecal C	oliform		< 10	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: ab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	Kingston	NY	12401	PO	*	
Client F	Project Name:	Rondout Cree	ŀk			
Sample	Туре:	Surface Wate	r			
Order c	omment:					
Order II	D:	122910				
Sample	Number:	218970				
Sample	Location:	Duplicate, Site	e #6, grab			
Sample	Comment:	FC rec'd at 9.	9 deg C.			
Date/Ti	me sample collected:	7/23/2014	10:35	Collected By:	AA	
Date/Ti	me sample received:	7/23/2014	12:35	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20	Tech:	SS	
Parame	ater	Tea	st Result*	Units	Test Method	
Fecal C	oliform		40	CFU/100m	1L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

25-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office					
	420 Broadway Kingston	NY	12401		PO	*	
Client F	Project Name:	Rondout Cr	eek				
Sample	Туре:	Water					
Order c	omment:						
Order II	D:	122910					
Sample	Number:	219065					
Sample	Location:	Blank QC					
Sample	Comment:	100 mL of t	ouffered rinse	water used			
Date/Ti	me sample collected:	7/23/2014	16:20		Collected By:		
Date/Ti	me sample received:	7/23/2014	16:20		Received by:	Amy Jo	
Date/Ti	me sample analyzed:	7/23/2014	16:20		Tech:	SS	
Parame	eter	1	est Result*		Units		Test Method
Fecal C	oliform		< 1		CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Jul-14

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SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY 12401		PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek			
Order ID: 122910 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 218963 Site #1, grab 7/23/2014 10:05 7/23/2014 12:35 FC rec'd at 8.9 deg C	Sample Collected By: Sample Received by:	Alan Adin Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 2 mg/L < 0.1 mL/L	Test Method Tes SM20 2540 D 7/23/ SM20 2540F 7/23/	2014 2014 14:00	Tech** SW SW
Order ID: 122910 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 218964 Site #2, grab 7/23/2014 10:15 7/23/2014 12:35 FC rec'd at 7.6 deg C	Sample Collected By: Sample Received by:	Alan Adin Amy Jo	
Parameter: Total Suspended Solids Solids, Settleable	Test ResultUnits2mg/L< 0.1	Test Method Test SM20 2540 D 7/23. SM20 2540F 7/23.	t Date Test Time /2014 /2014 14:00	Tech** SW SW
Order ID: 122910 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter:	mple Number: 218965 Site #3, grab 7/23/2014 10:22 7/23/2014 12:35 FC rec'd at 7.3 deg C Test Result Units	Sample Collected By: Sample Received by: Test Method Tes	Alan Adin Amy Jo st Date Test Time	Tech**
Total Suspended Solids Solids, Settleable	4 mg/L < 0.1 mL/L	SM20 2540 D 7/23 SM20 2540F 7/23	/2014 /2014 14:00	SW SW
Order ID: 122910 Sa Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	mple Number: 218966 Site #4, grab 7/23/2014 10:38 7/23/2014 12:35 FC rec'd at 9.9 deg 0	Sample Collected By: Sample Received by: C.	Alan Adin Amy Jo	Tackit
Parameter: Total Suspended Solids Solids, Settleable	Test Result Units 4 mg/L < 0.1 mL/L	Test Method Test SM20 2540 D 7/23 SM20 2540F 7/23	st Date Test Time 3/2014 14:00	Tech** SW SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee	ers Office				
Attn: Alan Adin 420 Broadway Kingston	NY 1240	1	PO #		
Tangoton					
Order ID: 122910 Sam	ple Number: 218	3967			
Sample Location:	Site #5, grab				
Date/Time sample collected:	7/23/2014 10:4	6 Sample Collect	ed By: Alan Adin		
Date/Time samples received:	7/23/2014 12:3	35 Sample Receive	ed by: Amy Jo		
Sample Comment:	FC rec'd at 14.1	deg C.			
Parameter:	Test Result Ur	nits Test Method	Test Date Test	Time Tec	h**
Total Suspended Solids	5 m	g/L SM20 2540 D	7/23/2014	SI	W
Solids, Settleable	< 0.1 m	L/L SM20 2540F	7/23/2014	14:00 SI	W
Order ID: 122910 San	ple Number: 21	8968			
Sample Location:	Site #6, grab				
Date/Time sample collected:	7/23/2014 10:	35 Sample Collect	ed By: Alan Adin		
Date/Time samples received:	7/23/2014 12:	35 Sample Receiv	ed by: Amy Jo		
Sample Comment:	FC rec'd at 6.8 d	deg C.			
Barameter'	Test Result U	nits Test Method	Test Date Test	Time Tec	:h**
Total Suspended Solids	3 m	1g/L SM20 2540 D	7/23/2014	S	W
Solids, Settleable	< 0.1 m	1L/L SM20 2540F	7/23/2014	14:00 S	W
Order ID: 122910 Sar	nple Number: 21	8969			
Sample Location:	Site #7, grab				
Date/Time sample collected:	7/23/2014 11:	27 Sample Collec	ted By: Alan Adin		
Date/Time samples received:	7/23/2014 12:	35 Sample Receiv	ved by: Amy Jo		
Sample Comment:	FC rec'd at 15.7	' deg C.			
Parameter:	Test Result U	nits Test Method	Test Date Test	: Time Tea	ch**
Total Suspended Solids	< 1 n	ng/L SM20 2540 D	7/23/2014	S	SW
Solids, Settleable	< 0.1 m	nL/L SM20 2540F	7/23/2014	14:00 S	SW
Order ID: 122910 Sa	nple Number: 21	18970			
Sample Location:	Duplicate, Site	#6, grab			
Date/Time sample collected:	7/23/2014 10	:35 Sample Collec	ted By: Alan Adir	1	
Date/Time samples received:	7/23/2014 12	:35 Sample Receiv	ved by: Amy Jo		
Sample Comment:	FC rec'd at 9.9	deg C.			
Parameter:	Test Result L	Jnits Test Method	Test Date Test	t Time Te	ch**
Total Suspended Solids	3 1	mg/L SM20 2540 D	7/23/2014	ę	SW
Solids Settleable	< 0.1	mL/L SM20 2540F	7/23/2014	14:00	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston N

NY 12401

PO #

11-Aug-14

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is _____

Page 3 of 3

SMITH LABORA 4 Scenic Drive Hyde Park, NY 17 Phone: 845-229-6 Fax: 845-229-6 Client Name: Client Name: Mailing Address: Mailing Address: Nample No: Sample No: S	TORY TORY TORY TS #4 Turnarc TTY OF KINGSTON_ TTY OF KINGSTON_ TOP KINGSTON, NY 12401 KINGSTON, NY 12401 CLIENT: C CLIENT: C Sample Identification 4 SITE #1	COMPLETE THE	SAME X X Grab	CH Clien Clien Clien Copy Copy	AIN	OF CUS	TODY Copy result Local Healt Yes h 334-3968 334-3968 H SWENSO H SW	s to h Dept. No V Project PROVIDED BELOV E PROVIDED BELOV Analysis Requested SS SS SS SS SS	Facility Name: _RO Location:Ro I Location:RO Location:RO Location:RO Location:RO I Location:RO Location:RO Location:RO I Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location:RO Location: _	NDOU"	B USE B USE Temp. Deg C Q4 Deg C	
1 964 S	SITE #2 SITE #3	SW	××				10:22A	TSS TSS	I-1/2 L PLAS I-ILPLAS I-1/2 L PLAS		191	12 198
964 S	SITE #4	SW	< ×				10:384	SS SS	1-1LPLAS 1-1/2 L PLAS 1-1LPLAS	1	14/8	
967 5	SITE #5	SW	× >				10:357	TSS TSS	I-1/2 L PLAS I-1LPLAS I-1/2 L PLAS		000	
969 8	SITE #7	SW	×				11.270	SS TSS ee	1-1LPLAS 1-1/2 L PLAS		19.6	and the second se
T 0265	OUPLICATE	SW	×				10:35A	ISS	1-ILPLAS 1-1/2 L PLAS	t	161	
Sampled By: (Name), my knowledge. I also	ALAU ADIN affirm that I am responsible fo	r payment, unless other	payment	arrangen	(Tide) thents are a	N 61 AFER	ance by Smith	thereby affirm that Laboratory.	the information above is t	rue and co	mplete	<u>e</u>
Sample Relinquished I	By:		1 3	Recei	vedatLa	By: S	AN		Date: 1	NEZ	Time	
Sample(s) received n Thermal Preservation Chemical Preservatic	net the following requirements n: NA (Yes) No on: NA Yes: No					nents:						
Correct Bottle Type	Yes No											

WET	MEATHER
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Sampling Team: Weather: Direction of Flow: Sampling Location SITE #1: MID-RONDOUT CREEK APPRON. 250 YOS UPST REAM OF WILBUR AVE. OUTFALL SITE #2: MID-RONCOUT CREEK - UPSTREAM OF BLOCK PARK I:2 SITE #3: MID- RONDOUT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #4; MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #5; MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE #5; MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	100004 100004 100004 100004 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000	Field Parameter DO 68 temperature 38.6 C DO 7.5 temperature 37.7 C DO 7.4 temperature 37.4 C	Temperature: Physical Observations Grease NONE Floatables NONE Odors NONE Grease NONE Odors NONE Grease NONE Grease NONE Grease NONE Grease NONE Grease NONE	Comments TIDE: INCOMMULA APPROX. 15 YDS WESTERLY OF FEENEY DR DOCK AT PROPERTY BOUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: INCOMMULA 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: INCOMMULA 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
Weather: P.C. Direction of Flow: INC. Sampling Location INC. SITE #1: MID-RONDOUT LATIM CREEK APPROX. 250 YOS LATIM DYST REAM OF WILBUR LATIM AVE. OUTFALL 1/18 SITE #2: MID-RONDOUT LATIM CREEK - UPSTREAM LATIM OF BLOCK PARK LATIM SITE #3: MID- LATIM RONDOUT CREEK LONG: APPROX. 150 YDS LONG: UPSTREAM OF ALD LATIM SITE #3: MID- LATIM RONDOUT CREEK LONG: NDER NEW BRIDGE I.D SITE #4: MID- LAT: RONDOUT CREEK LONG: NDER NEW BRIDGE I.D SITE #4: MID- LAT: RONDOUT CREEK LONG: NDER NEW BRIDGE I.D SITE #5: MID- LAT: RONDOUT CREEK LONG: SITE #5: MID- LAT: RONDUT CREEK LONG: SITE #5: MID- LAT: RONDUT CREEK LONG: <t< th=""><th>100004 COHING H TIDE C Time TWE: 41906 TWE: 74.004 30 41.917 74.997 41.917 73.984 360 41.918</th><th>Field Parameter DO $\bigcirc 8$ temperature $\partial 8.6^{\circ}$ \bigcirc DO 7.5 temperature $\partial 7.7^{\circ}$ \bigcirc DO 7.4 temperature $\partial 7.4^{\circ}$ temperature $\partial 7.4^{\circ}$</th><th>Temperature: Physical Observations Grease NONE Floatables NONE Odors NONE Odors NONE Grease NONE Grease NONE Floatables NONE Floatables NONE Corresp NONE</th><th>Comments TIDE: INCOLUNG APPROX.15 YDS WESTERLY OF FEENEY DR DOCL AT PROPERTY BUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: COMING 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: COMING 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD</th></t<>	100004 COHING H TIDE C Time TWE: 41906 TWE: 74.004 30 41.917 74.997 41.917 73.984 360 41.918	Field Parameter DO $\bigcirc 8$ temperature $\partial 8.6^{\circ}$ \bigcirc DO 7.5 temperature $\partial 7.7^{\circ}$ \bigcirc DO 7.4 temperature $\partial 7.4^{\circ}$ temperature $\partial 7.4^{\circ}$	Temperature: Physical Observations Grease NONE Floatables NONE Odors NONE Odors NONE Grease NONE Grease NONE Floatables NONE Floatables NONE Corresp NONE	Comments TIDE: INCOLUNG APPROX.15 YDS WESTERLY OF FEENEY DR DOCL AT PROPERTY BUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: COMING 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: COMING 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
Direction of Flow: Sampling Location SITE #1: MID-RONDOUT CREEK APPROX. 250 YOS UPSTREAM OF WILBUR AVE. OUTFALL SITE #2: MID-RONDOUT CREEK - UPSTREAM OVE BLOCK PARK LONG: SITE #3: MID- RONDOUT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #5: MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK APPROX. CREEK UPSTREAM OF BLOCK PARK	2014/NG H TIDE C Time TWE: 41906 TWE: 74.004 30 41.917 74.997 41.917 73.984 360 41.918	Field Parameter DO $\bigcirc 8$ temperature $\Im 8.6^{\circ}$ C DO 7.3 temperature $\Im 7.7^{\circ}$ C DO 7.4 temperature $\Im 7.4^{\circ}$ C	Physical Observations Grease NONE Floatables NONE Odors None Floatables None Odors None Grease None Floatables None Floatables None Corresp None	Comments TIDE: INCOMING APPROX.15 YDS WESTERLY OF FEENEY DR DOCL AT PROPERTY BOUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: COMING 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: INCOMING 25 YDS SOUTHERLY OF OLD SPEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
SITE # 2: MID-RONDOUT CREEK APPROX. 250 YDS UPSTREAM OF WILBUR AVE. OUTFALL SITE # 2: MID-RONDOUT CREEK - UPSTREAM OF BLOCK PARK I: 0 SITE # 3: MID- RONDOUT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE # 4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE # 4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE # 5: MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE # 5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	Time Time Two E: 41.906 Two E: 74.004 3 41.917 74.997 74.997 41.917 41.914 573.984 360 41.918	Field Parameter DO (28) temperature 38.6°C DO 7.3 temperature 37.7°C DO 7.4 temperature 37.4°C DO 7.7	Physical Observations Grease NONE Odors NONE Odors NONE Floatables NONE Odors NONE Grease NONE Floatables NONE Floatables NONE Odors NONE	Comments TIDE: INCOMING APPROX.IS YDS WESTERLY OF FLENEY DR DOCL AT PROPERTY BOUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: COMING SO YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: INCOMING 25 YDS SOUTHERLY OF OLD SPEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
SITE #4: MID-RONDOUT CREEK APPROX. 250 YDS UPSTREAM OF WILBUR AVE. OUTFALL SITE #2: MID-RONDOUT CREEK - UPSTREAM OF BLOCK PARK I:0 SITE #3: MID- RONDOUT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK APPROX. 200 YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK APPROX. 200 YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	WE: 41.906 WE: 74.004 41.917 74.997 74.997 79.9 41.914 73.984 360 41.918	DO 68 temperature 38.60 DO 7.3 temperature 37.70 DO 7.4 temperature 37.40 DO 7.7	Grease NONE Floatables NONE Odors None Grease None Odors None Grease None Grease None Floatables None Floatables None Corresp None	TIDE: <u>INCOMING</u> APPROX.15 YDS WESTERLY OF FEENEY DR DOCK AT PROPERTY BUNDARY BETWEEN FEENEY AND RECYCLING BUSINESS TIDE: <u>INCOMING</u> 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: <u>INCOMING</u> 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
CREEK APPROX. 250 705 UPSTREAM OF WILBUR AVE. OUTFALL SITE #2: MID-RONCOUT CREEK - UPSTREAM OF BLOCK PARK I.J SITE #3: MID- RONDOUT CREEK APPROX. 150 705 UPSTREAM OF OLD BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK APPROX. 200 YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	WE: 74,004 3P 41.917 74.997 74.997 79.994 41.914 36P 41.918	temperature 38.6 C DO 7.3 temperature 37.7 C DO 7.4 temperature 37.4 C	Floatables NONE Odors None Grease None Floatables None Odors None Grease None Floatables None Odors None	AT PROPERTY BOUNDARY BETWEEN FEEWEY AND RECYCLING BUSINESS TIDE: <u>COMING</u> 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: <u>TO COMING</u> 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
AVE. OUTFALL SITE #2: MID-ROMOUT CREEK - UPSTREAM OF BLOCK PARK I:2 SITE #3: MID- ROMOUT CREEK APPROX. ISO YDS UPSTREAM OF OLD BRIDGE SITE #4: MID- ROMOUT CREEK UNDER NEW BRIDGE SITE #4: MID- ROMOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- ROMOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- ROMOUT CREEK UPSTREAM OF BLOCK PARK	3P 41.917 74.9977 99P 41.914 73.984 36P 41.918	DO 7.3 temperature 27.7° DO 7.4 temperature 27.4° DO 7.7	Odors None Grease None Odors None Grease None Floatables None Floatables None Odors None	TIDE: <u>ICOMING</u> 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: <u>ICOMILU</u> 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
SITE #2: MID-RONGOUT CREEK - UPSTREAM OF BLOCK PARK I.D SITE #3: MID- RONDOUT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #4: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK APPROX. ZOO YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	41.917 74.9977 79.97 41.914 73.984 369 41.918	DO 7.3 temperature 27.7° DO 7.4 temperature 27.4° DO 7.7	Grease NONE Floatables NONE Odors NONE Grease NONE Floatables NONE Odors NONE	TIDE: <u>TOMING</u> 50 YDS SOUTHERLY OF ISLAND DOCK CAUSEWAY CULVERTS TIDE: <u>TOMING</u> 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
CREEK - UPSTREAM OF BLOCK PARK I. J SITE #3: MID- RONDONT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #4: MID- RONDONT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDONT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDONT CREEK UPSTREAM OF BLOCK PARK	74,993 29 P 41.914 73,984 36P 41.918	temperature 27.7° DO 7.4 temperature 27.4° DO 7.7	Floatables NONE Odors NONE Grease NONE Floatables NONE Odors NONE	CAUSEWAY CULVERTS TIDE: TO COMPLETS 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
I. J SITE #3: MID- RONDONT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #6: MID- RONDONT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDONT CREEK APPROX. ZOO YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDONT CREEK UPSTREAM OF BLOCK PARK	99P 41.914 73.984 36P 41.918	DO 7.4 temperature 37.4°C	Odors NONE Grease NONE Floatables NONE Odors NONE	TIDE: <u>IL COMPLU</u> 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
SITE #3: MID- RONDONT CREEK APPROX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #6: MID- RONDONT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDONT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDONT CREEK UPSTREAM OF BLOCK PARK	41.914 73.984 36P 41.918	DO 7.4 temperature 27.40 DO 7.7	Grease NONE Floatables NONE Odors NONE	TIDE: I COMPLEY OF OLD STEEL 25 YDS SOUTHERLY OF OLD STEEL BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
RONDONT CREEK APPRIX. 150 YDS UPSTREAM OF OLD BRIDGE SITE #G: MID- RONDONT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDONT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #J: MID- RONDONT CREEK UPSTREAM OF BLOCK PARK	73,984 36P 41.918	temperature 27.4C	- Floatables NONE Odors NONE	BOILER PROTRUDING FROM WATER NEA ISLAND DOCK BULKHEAD
UPSTREAM OF OLD BRIDGE SITE #G; MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4; MID- RONDOUT CREEK APPROX. ZOO YDS DOWN STREAM OF NEW BRIDGE SITE #5; MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	36P 41.9.18	DO 7.7	Odors NONE	ISLAND DOCK BULKHEAD
BRIDGE SITE #6: MID- RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	41.9.18	DO 7.7	Grand & Gulf	The Triller Halls
RONDOUT CREEK UNDER NEW BRIDGE SITE #4: MID- RONDOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	3.1. 1.10		REPASE VNUNF	TIDE: AC (LEARWATER
UNDER NEW SRIDGE SITE #4: MID- RONDOUT CREEK APPROX. ZOO YDS DOWN STREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	:73,981	Hamporniuro 24.50	Eloatables ADDE	MAINTENANCE SHED, DOUBLE SLIDE DOOR
SITE #4: MID- RONDOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	YUP	temperature Obio C	Odors 1 20115	
RONDOUT CREEK APPROX. ZOO YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK PARK	11.919	74	Grass XDU)E	TIDE: TELCOMING
APPROX. 200 YDS DOWNSTREAM OF NEW BRIDGE SITE #5: MID- RONDOUT CREEK UPSTREAM OF BLOCK DARK	:72979	Valler	Electables 1/01/05	PESTANZANT CONFRED PATIO
NEW BRIDGE SITE #5: MID- RONDONT CREEK UPSTREAM OF BLOCK LONG: PARK	8.0-1-1	temperature 2014 C	Odors XINNE	
RONDONT CREEK UPSTREAM OF BLOCK LONG	पालम	DO LO V	Grassa & DALE	TIDE: INCOMING
UPSTREAM OF BLOCK	72963	00 01 0	Electables CANE	SO YDS SOUTHERLY OF GAS LIME
		temperature Fris	Odors Moule	BROWN LOOKING WATER
CITE # 7: MID - UATI	ULORA	DO / 1	Grane ALOUR	FLOW : ALWAYS EASTERLY (DOWN STREAM) - LOCA
RONDONT CREEK APPROX	12 215	119	Electobles Moulis	EAD BOAT LANNCH
3/4 MILE UPSTREAM OF LONG EDDYVILLE DAM AT	19.010	temperature 260	Privatables NUNE	1
NYSDEL BOAT LAUNCH			DOURS NUNE	
DUDITION TE LAT:			ligrease	
DUPLICATE LUNG	i a t	DO	Electricities	

14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	ər		
Order c	omment:	Samples rec'	d in lab drop box		
Order II	D:	123005			
Sample	Number:	219182			
Sample	Location:	site #1			
Sample	Comment:	FC rec'd at 8	.8 deg C.		
Date/Ti	me sample collected:	7/27/2014	13:18	Collected By:	Rich Terpening
Date/Ti	me sample received:	7/27/2014	16:30	Received by:	Anne
Date/Ti	me sample analyzed:	7/27/2014	17:50	Tech:	AGS
Parame	ater	Te	st Result*	Units	Test Method
Fecal C	oliform		60	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.


ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	PC	#	
Client P	Project Name:	Rondout Cree	ək			
Client: City of Kingston Eng Attn: Alan Adin 420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected: Date/Time sample received: Date/Time sample received: Date/Time sample analyzed: Parameter Fecal Coliform	Туре:	Surface Wate	NT			
Order c	omment:	Samples rec'o	in lab drop box			
Order i	D:	123005				
Sample	Number:	219183				
Sample	Location:	site #2				
Sample	Comment:	FC rec'd at 9.	0 deg C.			
Date/Ti	me sample collected:	7/27/2014	13:29	Collected By:	Rich Terpe	oning
Date/Tir	me sample received:	7/27/2014	16:30	Received by:	Anne	
Client: City of Kingston Eng Attn: Alan Adin 420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample analyzed: Parameter Fecal Coliform	me sample analyzed:	7/27/2014	17:50	Tech:	AGS	
Parame	iter	Tea	st Result*	Units	Те	est Method
Fecal C	oliform		380	CFU/100m	iL SI	M 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC		
Client P	Project Name:	Rondout Cre	ek			
Client Project Name: Sample Type: Order comment:		Surface Wate	er			
Order co	omment:	Samples rec'	d in lab drop box			
Order ID:		123005				
Sample	Number:	219184				
Sample	Location:	site #3				
Sample	Comment:	FC rec'd at 8	deg C.			
420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received: Date/Time sample analyzed: Parameter Fecal Coliform	me sample collected:	7/27/2014	13:36	Collected By:	Rich Te	erpening
Sample Comment: FC rec'd at 8 deg C. Date/Time sample collected: 7/27/2014 13:36 Collector 7/27/2014 16:30	Received by:	Anne				
Date/Time sample received: Date/Time sample analyzed:		7/27/2014	17:50	Tech:	AGS	
Parame	əter	Te	st Result*	Units		Test Method
Fecal Coliform			140	CFU/100m	٦L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office							
	Kingston	NY	12401	PO #					
Client F	Project Name:	Rondout Cree	k						
Client: City of Kingston Eng Attn: Alan Adin 420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received: Date/Time sample analyzed Parameter Fecal Coliform	Туре:	Surface Wate	r						
Sample Order co Order ID	omment:	Samples rec'o	l in lab drop box						
Order ID:		123005							
Sample	Number:	219185							
Sample	Location:	site #4							
Sample	Comment:	FC rec'd at 10) deg C.						
Attn: Alan Adin 420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected: Date/Time sample received: Date/Time sample received: Date/Time sample analyzed: Parameter Fecal Coliform	7/27/2014	13:44	Collected By:	Rich Terpening					
Date/Ti	ble Location: site #4 ble Comment: FC rec'd at 10 deg C. Time sample collected: 7/27/2014 13:44 Collected By: Rich Terpening Time sample received: 7/27/2014 16:30 Received by: Anne Time sample received: 7/27/2014 16:30 Received by: Anne	Anne							
Date/Time sample received: Date/Time sample analyzed:		7/27/2014	17:50	Tech:	AGS				
420 Broadway 420 Broadway Kingston NY Client Project Name: Rondout Cristing Sample Type: Surface Wa Order comment: Samples read Order ID: 123005 Sample Number: 219185 Sample Location: site #4 Sample Comment: FC rec'd at Date/Time sample collected: 7/27/2014 Date/Time sample analyzed: 7/27/2014 Parameter T Fecal Coliform T	st Result*	Units	Test Method						
Parameter Fecal Coliform			60	CFU/100m	L SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office							
	Kingston	NY	12401	PO #					
Client F	Project Name:	Rondout Cree	ik						
Sample Type: Order comment:		Surface Wate	ſ						
Order c	omment:	Samples rec'o	l in lab drop box						
Order II	D:	123005							
Sample	Number:	219186							
Sample	Location:	site #5							
Sample	Comment:	FC rec'd at 11	Ideg C.						
Sample Number: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received	me sample collected:	7/27/2014	13:50	Collected By:	Rich Terpening				
Date/Tim	me sample received:	7/27/2014	16: 30	Received by:	Anne				
Date/Time sample received: Date/Time sample analyzed:		7/27/2014	18:00	Tech:	AGS				
Parame	ətər	Te	st Result*	Units	Test Method				
Parameter Fecal Coliform			< 10	CFU/100m	nL SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office							
	Kingston	NY	12401	PO #					
Client P	Project Name:	Rondout Cree	ek						
Client Project Name: Sample Type: Order comment: Order ID:		Surface Wate	er						
Order co Order ID	comment:	Samples rec'	d in lab drop box						
Order II	D:	123005							
Sample	Number:	219187							
Sample	Location:	site #6							
Sample	Comment:	FC rec'd at 1	1 deg C.						
420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received Date/Time sample analyzed Parameter Fecal Coliform	me sample collected:	7/27/2014	13:41	Collected By:	Rich Terr	ening			
Sample Loc Sample Con Date/Time s Date/Time s	me sample received:	7/27/2014	16:30	Received by:	Anne				
Date/Time sample collected: Date/Time sample received: Date/Time sample analyzed:		7/27/2014	18:00	Tech:	AGS				
Parame	əter	Те	st Result*	Units	fest Method				
Parameter Fecal Coliform			30	CFU/100m	۱L ۶	SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

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Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	PC		
Client P	Project Name:	Rondout Cree	ək			
Client: City of Kingston En Attn: Alan Adin 420 Broadway Kingston Client Project Name: Sample Type: Order comment: Order ID: Sample Number: Sample Location: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample analyzed		Surface Wate	er			
Sample Order co Order ID	omment:	Samples rec'o	d in lab drop box			
Order comment: Order ID:		123005				
Sample	Number:	219188				
Sample	Location:	site #7				
Sample	ent: City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston ent Project Name: mple Type: der comment: der ID: mple Number: imple Location: imple Location: imple Comment: ite/Time sample collected: ite/Time sample received: ite/Time sample analyzed: irameter ical Coliform	FC rec'd at 9.	5 deg C.			
Date/Ti	me sample collected;	7/27/2014	14:25	Collected By:	PO # lected By: Rich Terpening seived by: Anne Tech: AGS Units Test Method CFU/100mL SM 18 9222D	
Sample Location: site #7 Sample Comment: FC rec'd at 9.5 deg C. Date/Time sample collected: 7/27/2014 14:25 Collected By: Date/Time sample received: 7/27/2014 16:30 Received by:	Anne					
Sample Number: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received: Date/Time sample analyzed Parameter Fecal Coliform		7/27/2014	18:00	Tech:	AGS	
Parame	ter	Te	PO # deg C. 14:25 Collected By: Rich Terpening 16:30 Received by: Anne 18:00 Tech: AGS Result* Units Test Method < 10			
Parameter Fecal Coliform			< 10	CFU/100m	nĹ	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office		PO #					
	Kingston	NY 1	2401						
Client F	Project Name:	Rondout Cree	k						
Sample Type: Order comment:		Surface Wate	r						
Order c	comment:	Samples rec'd	l in lab drop box						
Order ID:		123005							
Sample	Number:	219189							
Sample	Location:	duplicate/site	#7						
Sample	Comment:	FC rec'd at 10) deg C.						
Sample Number: Sample Location: Sample Comment: Date/Time sample collect	me sample collected:	7/27/2014	14:25	Collected By:	Rich Terpening				
Date/Tim Date/Tim	me sample received:	7/27/2014	16:30	Received by:	Anne				
Date/Time sample analyzed:		7/27/2014	18:00	Tech:	AGS				
Date/Time sample collected: Date/Time sample received: Date/Time sample analyzed: Parameter		Tes	t Result*	Units	Test Method				
Fecal Coliform			< 10	CFU/100m	nL SM 18 9222D				

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

19

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office			
	Kingston	NY	12401	PO) #
Client P	Project Name:	Rondout Cr	eek		
Sample Type: Order comment:		Water			
Order C	omment:	Samples re	c'd in lab drop box		
Order II	D:	123005			
Sample	Number:	219190			
Sample Number: Sample Location:		Blank QC			
Sample	Comment:	100 mL of t	ouffered rinse water	used	
Sample Location: Sample Location: Sample Comment: Date/Time sample collected		7/27/2014	17:50	Collected By:	Anne Smith
Date/Tin Date/Tin	me sample received:	7/27/2014	17:50	Received by:	Anne
Date/Time sample analyzed:		7/27/2014	17:50	Tech:	SS
Order ID: Sample Number: Sample Location: Sample Comment: Date/Time sample collected Date/Time sample received: Date/Time sample analyzed: Parameter Fecal Coliform		т	est Result*	Units	Test Method
Fecal Coliform			< 1	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

29-Jul-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Eng Attn: Alan Adin 420 Broadway	ineers Office					
Kingston	NY	12401		PO	#	
Sample Type:	Surface Wa	ater				
Client Project Name:	Rondout Cr	eek				
Order comment:	Samples re	c'd in lab dr	ор бох			
Order ID: 123005	Sample Number:	219182				
Sample Location:	site #1			_		
Date/Time sample collected	: 7/27/2014	13:18	Sample Collected	By: Allen	Winchell	
Date/Time samples received	l: 7/27/2014	16:30	Sample Received	by: Anne)	
Sample Comment:	FC rec'd at	8.8 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	< 1	mg/L	SM20 2540 D	7/30/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	7/28/2014	11:00	SW
Order ID: 123005	Sample Number:	219183				
Sample Location:	site #2					
Date/Time sample collected	: 7/27/2014	13:2 9	Sample Collected	i By: Aller	Winchell	
Date/Time samples received	1: 7/27/2014	16:30	Sample Received	by: Anne	9	
Sample Comment:	FC rec'd at	9.0 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	4 mg/L	SM20 2540 D	7/30/2014		SW
Solids, Settleable	< 0.1	1 mL/L	SM20 2540F	7/28/2014	11:00	SW
Order ID: 123005	Sample Number:	219184				
Sample Location:	site #3					
Date/Time sample collected	: 7/27/2014	13:36	Sample Collected	IBy: Aller	n Winchell	
Date/Time samples received	1: 7/27/2014	16:30	Sample Received	by: Ann	e	
Sample Comment:	FC rec'd at	t 8 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids		4 mg/L	SM20 2540 D	7/30/2014		SW
Solids, Settleable	< 0.	1 mL/L	SM20 2540F	7/28/2014	11:00	SW
Order ID: 123005	Sample Number:	219185				
Sample Location:	site #4					
Date/Time sample collected	1: 7/27/2014	13:44	Sample Collected	By: Alle	n Winchell	
Date/Time samples receive	d: 7/27/2014	16:30	Sample Received	lby: Ann	e	
Sample Comment:	FC rec'd a	t 10 deg C.				
Parameter:	Test Result	t Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids		7 mg/L	SM20 2540 D	7/30/2014		SW
Solids, Settleable	< 0.	1 mL/L	SM20 2540F	7/28/2014	11:00	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee	ars Office			
Attn: Alan Adin				
420 Broadway				
Kingston	NY 12401		PO #	
Order ID: 123005 Sam	ple Number: 219186			
Sample Location:	site #5			
Date/Time sample collected:	7/27/2014 13:50	Sample Collected B	y: Allen Winchell	
Date/Time samples received:	7/27/2014 16:30	Sample Received by	y: Anne	
Sample Comment:	FC rec'd at 11 deg C.			
Parameter:	Test Result Units	Test Method	Test Date Test Time	Tech**
Total Suspended Solids	7 mg/L	SM20 2540 D	7/30/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F	7/28/2014 11:00	SW
Order ID: 123005 San	nple Number: 219187			
Sample Location:	site #6			
Date/Time sample collected:	7/27/2014 13:41	Sample Collected E	By: Allen Winchell	
Date/Time samples received:	7/27/2014 16:30	Sample Received b	y: Anne	
Sample Comment:	FC rec'd at 11 deg C.			
Parameter:	Test Result Units	Test Method	Test Date Test Time	Tech**
Total Suspended Solids	5 mg/L	SM20 2540 D	7/30/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F	7/28/2014 11:00	SW
Order ID: 123005 San	nple Number: 219188			
Sample Location:	site #7			
Date/Time sample collected:	7/27/2014 14:25	Sample Collected E	By: Allen Winchell	
Date/Time samples received:	7/27/2014 16:30	Sample Received b	y: Anne	
Sample Comment:	FC rec'd at 9.5 deg C.			
Parameter:	Test Result Units	Test Method	Test Date Test Time	Tech**
Total Suspended Solids	2 mg/L	SM20 2540 D	7/30/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F	7/28/2014 11:00	sw
Order ID: 123005 San	nple Number: 219189			
Sample Location:	duplicate/site #7			
Date/Time sample collected:	7/27/2014 14:25	Sample Collected I	By: Allen Winchell	
Date/Time samples received:	7/27/2014 16:30	Sample Received b	oy: Anne	
Sample Comment:	FC rec'd at 10 deg C.			
Parameter:	Test Result Units	Test Method	Test Date Test Time	Tech**
Total Suspended Solids	< 1 mg/L	SM20 2540 D	7/30/2014	SW
Solids, Settleable	< 0.1 mL/L	SM20 2540F	7/28/2014 11:00	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Cilent:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401		F	0#	
Order ID Sample Date/Tim	: 123005 San Location: ne sample collected:	ple Number: Blank QC 7/27/2014	219190 17:50	Sample Collected	By: An	ne Smith	
Date/Tim Sample	ne samples received: Comment:	7/27/2014 100 mL of t	17:50 buffered rin:	Sample Received se water used	by: An	ne	
Paramet Total Sus Solids, S Results	ter: spended Solids Settleable Comment:	Test Result < 1 < 0.1	Units mg/L mL/L	Test Method SM20 2540 D SM20 2540F	Test Dat 7/30/2014 7/28/2014	ə Test Timə 11:00	Tech** SW SW

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

11-Aug-14

Key: <= less than; A=Anaiysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is <u>4</u>

Correct Bottle Type	Sample(s) received met the Thermal Preservation: NA	Sample Relinquished By:	Sampled By: (Name) A my knowledge. I also affirm	219189 & DUPI	2/9/88 # SITE	219187 A SITE	Dicigh A SITE	JIGISS A SITE	2191 R.4 A SITE	219183 A SITE	219182 A SITE	Sample No:	Order ID No:	I AR LISE ONLY	KIN	Mailing Address: 420	Client Name:CITY	Hyde Park, NY 12538 Phone: 845-229-6536 Fax: 845-229-6538	A Cranic Drive
No pool in	following requirements	o Kan	that I am responsible for payment	JCATE	#7	#6	#5	苯	#3	#2	#1	Sample Point	Sample Identification &	CLIENT: COMPL	IGSTON, NY 12401	BROADWAY	OF KINGSTON	-1313 Turnaround Tir RUSH (Ru ** Date report	
socition			unless other	SW	SW	SW	SW	SW	SW	WS	SW	Matrix		ETE THE				ne: Standa sh surchar, requested:	
3			payment	×	×	x	×	×	×	×	×	Grab	(C	SAMP				ge appli	I
CR		Receive	Receive									Comp # hrs	heck On	LE INF	Copy I	Client	Client	8)	
	Comm	d at Lab	ride) nts are app ad By:									First Draw	ē	ORMA	Report 1	Email:	Phone ?		
	ents	By: ch	proved in ad									Type & Residual	Treatment	TION IN	fo:_RAL	aadin@	No: _845-		
		ALCONOLY	vance by Smith	101	2861	Melt.	アレンプの	2/22/27	4/20/2	Atta L	19114	Sampled	Date/Time	THE SPAC	PH SWENS	kingston-ny	334-3968	Copy result Local Healt Yes	
		(afrith)	Laboratory.	TSS	SS SS	SS	TSS TSS	SS TSS	TSS SS	SS TSS	SS TSS	Requested	Analysis	CE PROVIDED BELOW	ON PWS Fed I	.gov L	Project/Fac	is to th Dept. No _√_	
		Date: 1/2	Information above is t	1-1/2 L PLAS	1-1/2 L PLAS	1-112 L PLAS	1-1LPLAS 1-1/2 L PLAS	1-112 L PLAS	I-ILPLAS I-1/2 L PLAS	1-112 L PLAS	1-1LPLAS 1-1/2 L PLAS	Preservative	Container &		D No: NY-	ocation:	cility Name: _RO	Amt Pan Pmt Me Receipt	
2		7/14	rue and co	×	~		X	~	<	×	X	T/N		M			NDOUT	Id: thod : No:	
Date		Time:	Time:	00°C	1 Sel	12:0	1. A	12:0	12:2	No.	212	DegC	Sample Temp	3 USE O			CREEI		
11		1	Ine best o	-		22	Z	2	S	R	5	YN	Pres	NLY					

Attach	nt 1 - Sampling	Event Sum	nary Sheet
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• 1 4	nitials:	dus ,	//	Date:	~(31/1- Pageof
S	Sampling Team:	SUDWEREIL	(C SUDERSON)	6	75-800
V	Veather:	Cloudy	I AN TS	Temperature:	
Ľ	Direction of Flow:	. OUT GOING	HIGH LIDE	4:36A8537P	
Г	Sampling Location	Time	Field Parameter	Physical Observations	Comments
	SITE #1: MID-RONDOUT	LATITOE: 41.90%	DO 7,0	Grease Nous	ADDROV 15 YDS WESTERLY OF FEENEY DRY
C L	PSTREAM OF WILBUR	LONGITUDE: 74 DOY	temperature 75.5°C	Floatables NON F	DOCK AT PROPERTY BOUNDARY BETWEEN
ľ	AVE. OUTFALL	LESDA	1911	Odors NONR	FEENEY AND EDGLOGO UNG
ŀ	SITE # 2: MID-RONCOUT	LAT: 41 912	DO 7.4	Grease NODE	50 YDS SOUTHERLY OF ISLAND DOCK
	CREEK - UPSTREAM DE BLOCK PARK	LONG: 73.992	temperature 25,0°C	Floatables んのんど	CAUSEWAY CULVERTS
1		11:040		Odors NONE	CUTGOING
E.	SITE #3; MID-	LAT: 41. 414	DO 7,4	Grease Dowg	TIDE: OF OLD STEEL
1	RONDAUT CREEK APPROX. 150 YOS	LONG: 73.981	temperature 25.3°C	Floatables NOUE	BOILER PROTRUDING FROM WATER NEAR
	UPSTREAM OF OLD	Maria		Odors NODE	ISLAND COLT (TOTAla
ŀ	SITE #6; MID-	LAT: 4,918	DO 7.5	Grease NONE	TIDE:
	RONDOUT CREEK	LONG: 73.981	temperature 25.6	Floatables	MAINTENANCE SHED, DOUBLE SLIDE DOORS
	UNDER NEW DRIDES	1 DigA		Odors DONE	OUT GOING
ł	SITE #4: MID-	LAT: 41.919	DO 715	Grease NODE	TIDE! OF STEELHOUSE
	RONDOUT CREEK	LONG: 73.978	temperature 25.5°C	Floatables	RESTAURANT CONFRED PATIO
	DOWNSTREAM OF	11250		Odors NONE	OUTGOINS
	SITE #5: MID-	LAT: 41.921	DO T.L	Grease NOVE	TIDE:
	RONDONT CREEK UPSTREAM OF BLOCK	LONG: 73.969	temperature 25.10	Floatables NONE	CROSSING WARNING SIGN
· (#	PARK	11:324		Odors NENE	OUTGOINS
	SITE # 7: MID-	LAT: 41.988	DO 4.8	Grease Dous	FLOW: ALWAY'S EASTERCY (DOWN STREAM) - COLAMON MOT TIDAL. STRAIGHT OUT FROM WESTERLY
-	RONDOUT CREEK APPROX 3/0 MILE UPSTREAM OF	LON 6: 73.015	temperature 25.3°	Floatables いっしこ	END BOAT LANNCH
	EDDYVILLE DAM AT	12:00-0		Odors DOJE	OUTCOINS
STREET, STREET		LAT:	DO	Grease	C. HI
REPRESENT	DUPLI CATE	LONGISTICH	temperature	Floatables	DIE
		Univ		Odors	

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway			PO #		
	Kingston	NY	12401			
Client P	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate	r			
		123136				
Sample	Number:	219465				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 11.1 deg C				
Date/Ti	me sample collected:	7/31/2014	10:52	Collected By: Alle	n Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by: Kar	olina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech: SS	A	
Parame	ətər	Tes	st Result*	Units	Test Method	
Fecal C	oliform		20**	CFU/100mL	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment: **Sample was analyzed 62 mins outside of 6 hr. holding time.

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO #		
Client F	Project Name:	Rondout Cree	ek			
Sample Type: Order comment: Order ID:		Surface Wate	er			
		123136				
Sample	Number:	219466				
Sample	Location:	Site #2, grab				
Sample	Comment:	FC rec'd at 8.1 deg C				
Date/Ti	me sample collected:	7/31/2014	11:04	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Paramo	eter	Te	st Result*	Units	Test Method	
Fecal Coliform			< 10	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY	12401	PO #		
Client F	Project Name:	Rondout Cree	ik			
Sample Type: Order comment: Order ID:		Surface Wate	r			
		123136				
Sample	Number:	219467				
Sample	Location:	Site #3, grab				
Sample	Comment:	FC rec'd at 8.3 deg C				
Date/Ti	me sample collected:	7/31/2014	11:11	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Parame	eter	Tes	st Result*	Units	Test Method	
Fecal C	oliform		20	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	Kingston	NY 12401		PO #		
Client P	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate	r			
		123136				
Sample	Number:	219468				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 7.	7 deg C			
Date/Ti	me sample collected:	7/31/2014	11:25	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Paramo	əter	Te	st Result*	Units	Test Method	
Fecal C	coliform		10	CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	Kingston	NY 1	2401	PO #		
Client F	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate	r			
		123136				
Sample	Number:	219469				
Sample	Location:	Site #5, grab				
Sample	e Comment:	FC rec'd at 7.8 deg C				
Date/Ti	me sample collected:	7/31/2014	11:32	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Param	eter	Tes	st Result*	Units	Test Method	
Fecal Coliform		10		CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PO #		
Client F	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate				
		123136				
Sample	Number:	21 9470				
Sample	Location:	Site #6, grab				
Sample	Comment:	FC rec'd at 8.	0 deg C			
Date/Ti	me sample collected:	7/31/2014	11:18	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Paramo	ətər	Te	st Result*	Units	Test Method	
Fecal C	Coliform		40	CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	A20 Broadway					
	Kingston	NY	2401	PO #		
Client F	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate	r			
		123136				
Sample	Number:	219471				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 9.3 deg C				
Date/Ti	me sample collected:	7/31/2014	12:10	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Parame	əter	Tes	st Result*	Units	Test Method	
Fecal Coliform		20		CFU/100m	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	420 Broadway Kingston	NY 1	2401	PO #		
Client P	Project Name:	Rondout Cree	k			
Sample Type: Order comment: Order ID:		Surface Wate	г			
		123136				
Sample	Number:	219472				
Sample	Location:	Duplicate Site	#1, grab			
Sample	e Comment:	FC rec'd at 9.	3 deg C			
Date/Ti	me sample collected:	7/31/2014	10:52	Collected By:	Allen Winchell	
Date/Ti	me sample received:	7/31/2014	15:00	Received by:	Karolina	
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS	
Paramo	eter	Tes	t Result*	Units	Test Method	
Fecal Coliform		10**		CFU/100n	nL SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment: **Sample was analyzed 62 mins outside of 6 hr. holding time.

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY 12401		PO	*
Client P	Project Name:	Rondout Cr	eek		
Sample Type:		Water			
Order comment: Order ID:					
		123136			
Sample	Number:	219935			
Sample	Location:	Blank-QC			
Sample	Comment:	100 mL of t	ouffered rinse water	used	
Date/Ti	me sample collected:	7/31/2014	17:00	Collected By:	
Date/Ti	me sample received:	7/31/2014	17:00	Received by:	Karolina
Date/Ti	me sample analyzed:	7/31/2014	17:00	Tech:	SS
Parame	ətər	T	est Result*	Units	Test Method
Fecal C	oliform		< 1	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

0

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee	ers Office					
Attn: Alan Adın						
420 Broadway	NIX	10401		PO	#	
Kingston	NY	12401		FU	#	
Sample Type:	Surface Wa	ter				
Client Project Name:	Rondout Cr	eek				
Order comment:						
Order ID: 123136 Sam	ple Number:	219465				
Sample Location:	Site #1, gra	b				
Date/Time sample collected:	7/31/2014	10:52	Sample Collected	By: Aller	Winchell	
Date/Time samples received	7/31/2014	15:00	Sample Received	iby: Karo	lina	
Sample Comment:	FC rec'd at	11.1 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids Settleable	< 0.1	mL/L	SM20 2540F	8/1/2014	10:50	SW
Total Suspended Solids	2	ma/L	SM20 2540 D	8/5/2014		SW
Ordor ID: 123136 Sam	nle Number	219466				
Craef ID: 123130 Sam	Site #2 ora	210400 h				
Sample Location.	7/31/2014	11.04	Sample Collecter	d Bv: Aller	Winchell	
Date/Time samples received	7/31/2014	15:00	Sample Received	hov: Karo	lina	
Date/Time samples received	FC rec'd at	8 1 deg C	Sample Received			
Sample Comment.		U. Tueg e		Test Data	Test Time	Toob**
Parameter:	Test Result	Units	lest Method		10.50	SIN/
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/1/2014	10.50	SW
Total Suspended Solids	2	mg/L	SM20 2540 D	8/5/2014		300
Order ID: 123136 Sam	ple Number:	219467				
Sample Location:	Site #3, gra	b				
Date/Time sample collected:	7/31/2014	11:11	Sample Collecte	d By: Aller	n Winchell	
Date/Time samples received	7/31/2014	15:00	Sample Received	d by: Kard	olina	
Sample Comment:	FC rec'd at	8.3 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/1/2014	10:50	SW
Total Suspended Solids	1	mg/L	SM20 2540 D	8/5/2014		SW
Order ID: 123136 Sam	ple Number:	219468				
Sample Location:	Site #4, gra	b				
Date/Time sample collected:	7/31/2014	11:25	Sample Collecte	d By: Aller	n Winchell	
Date/Time samples received	7/31/2014	15:00	Sample Received	d by: Karo	olina	
Sample Comment:	FC rec'd at	7.7 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/1/2014	10:50	SW
Total Suspended Solids	2	mg/L	SM20 2540 D	8/5/2014		SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engin	eers Office		
Attn. Alah Adin			
420 Bloadway Kingston	NY 12401	PO #	
Tringston			
Order ID: 123136 Sa	ample Number: 2194	469	
Sample Location:	Site #5, grab		
Date/Time sample collected:	7/31/2014 11:32	2 Sample Collected By: Allen Winchell	
Date/Time samples received	7/31/2014 15:00) Sample Received by: Karolina	
Sample Comment:	FC rec'd at 7.8 de	eg C	
Parameter:	Test Result Uni	ts Test Method Test Date Test Time Teo	:h**
Solids, Settleable	< 0.1 mL	/L SM20 2540F 8/1/2014 10:50 S	W
Total Suspended Solids	2 mg	/L SM20 2540 D 8/5/2014 S	W
Order ID: 123136 Sa	ample Number: 2194	470	
Sample Location:	Site #6, grab		
Date/Time sample collected:	7/31/2014 11:18	3 Sample Collected By: Allen Winchell	
Date/Time samples received	7/31/2014 15:00	Sample Received by: Karolina	
Sample Comment:	FC rec'd at 8.0 de	eg C	
Parameter:	Test Result Uni	its Test Method Test Date Test Time Teo	ch**
Solids, Settleable	< 0.1 mL	/L SM20 2540F 8/1/2014 10:50 S	W
Total Suspended Solids	2 mg	/L SM20 2540 D 8/5/2014 S	W
Order ID: 123136 S	ample Number: 219	471	
Sample Location:	Site #7, grab		
Date/Time sample collected:	7/31/2014 12:10	0 Sample Collected By: Allen Winchell	
Date/Time samples received	7/31/2014 15:00	0 Sample Received by: Karolina	
Sample Comment:	FC rec'd at 9.3 de	eg C	
Parameter:	Test Result Uni	its Test Method Test Date Test Time Teo	ch**
Solids. Settleable	< 0.1 mL	/L SM20 2540F 8/1/2014 10:50 S	W
Total Suspended Solids	< 1 mg	/L SM20 2540 D 8/5/2014 S	SW
Order ID: 123136 S	ample Number: 219	472	
Sample Location:	Duplicate Site #1	, grab	
Date/Time sample collected:	7/31/2014 10:5	2 Sample Collected By: Allen Winchell	
Date/Time samples received	7/31/2014 15:0	0 Sample Received by: Karolina	
Sample Comment:	FC rec'd at 9.3 de	eg C	
Parameter:	Test Result Un	its Test Method Test Date Test Time Tee	ch**
Solids, Settleable	< 0.1 mL	_/L SM20 2540F 8/1/2014 10:50 S	SW
Total Suspended Solids	2 mg	g/L SM20 2540 D 8/5/2014 S	SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

Y 12401

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

12-Aug-14 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is

12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/4/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.9/1/2 12.	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DRYNEATHER.

Page ____ of ____

Date: 8-5-14

Attach nt 1 - Sampling Event Summary Sheet

		Pas	2
Initials:			
Sampling Team:	Allon a	VIII P. Keturn	
Weather:	- CIEAL	75 - 801	_ remperature.

Direction of Flow:

in and a second second

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RONDOUT CREEK LON 6: 73.978 temperature 26.1 Floatables 2026 RESTAURANT CONCRESS PATTO APPROX. 200 YDS IO.29 A Odors 20207 Odors 20207 RESTAURANT CONCRESS PATTO SITE #5: MID- REMODUT CREEK IO.29 A DO 7.9 Grease NOPE SO YDS SOUTHERLY OF GAS LINE. VPSTREAM OF BLOCK LON 6: 73.929 temperature 25.7 Floatables NONE SO YDS SOUTHERLY OF GAS LINE. VPSTREAM OF BLOCK LON 6: 73.929 temperature 25.7 Floatables NONE SO YDS SOUTHERLY OF GAS LINE. VPSTREAM OF BLOCK LON 6: 73.926 temperature 25.7 Floatables NONE SO YDS SOUTHERLY OF GAS LINE. SITE #7: MID- LAT: 76.7865 DO 7.4 Grease NONE FLOW: ALWAYS EASTERLY (DOWN STREAM) - LOCATTRE RONDOUT CREEK APPROX LON 6: 73.015 temperature 25.7 Floatables NONE FLOW: ALWAYS EASTERLY (DOWN STREAM) - LOCATTRE NYSDEC BOAT LAVNCH LAT: DO Grease NONE FLOW: ALWAYS EASTERLY DVPLI CATE LON 6: T.0.06; temperature FLOAtables SITE #2 SITE #3 DO Grease SITE #2 SITE #2 SITE #2	SITE #4: MID-	LAT: 41.319	DO 8.9	Grease Nont	STO YDS SOUTHERLY OF STEELHOUSE
MIND IC:29 A Odors DDWAR SITE #5: MID- RONDONT CREEK LAT: 41.92L LONG: 73.967 DO 79 Grease NOPE TIDF: OUT GOIN VPSTREAM of BLOCK LONG: 73.967 IO 79 Grease NOPE SO YDS SOUTHERLY OF GAS LINE. CROSSING WARNING SIGN PARK IO 39 A DO 7.4 Floatables NONE SO YDS SOUTHERLY OF GAS LINE. CROSSING WARNING SIGN SITE #7: MID- RONDAT CREEK APPROX 34 MILE UPSTREAM OF EDDVVILLE DAM AT LAT: 41.924 ION 6: 73.015 DO 7.4 Grease NONE JONG F LAT: 71.985 DO 7.4 Grease NONE NOT TIDAL. STRAIGHT OUT FROM WESTRELY NYSDEC BOAT LAUNCH LAT: DO 6 Grease NONE DVPLI CA TE LONG: DO 6 Grease SITE F SITE #7: LONG: DO 6 Grease SITE E DVPLI CA TE LONG: DO 6 Grease SITE F SITE #7: DO 6 Grease SITE F SITE F	RONDOUT CREEK	LONG: 73,978	temperature 26.1	Floatables NONG	RESTAURANT CONFRED DATTO
SITE #5: MID- RONDONT CREEK UPSTREAM OF BLOCK LAT: 41.92L LONG: 73.967 DO 19 Grease NOPE TO SO YDS SOUTHERLY OF GAS LINE CROSSING WARNING SIGN PARK 10:33 A Odors NOPE SO YDS SOUTHERLY OF GAS LINE CROSSING WARNING SIGN SITE #7: MID- RONDOUT CREEK APPROX 3/4 MILE UPSTREAM OF EDDYVILLE DAM AT NYSDEL BOAT LAUNCH LAT: 76:385 LONG: 73.065 DO TH Grease NONE Grease NONE FLOW: ALWAYS EASTERLY (DOWN STREAM) - LOCATION NOT TIDAL. STRAIGHT OUT FROM WESTERLY DVPLICATE SITE #7: LAT: LONG: DO Grease FLOW: NONE DVPLICATE SITE #7: LAT: LONG: DO Grease SITE #7: Floatables DVPLICATE SITE #2 LAT: LONG: DO Grease SITE #7: Floatables SITE #7: SITE #7:	DOWNSTREAM OF NEW BRIDGE	10:29 A		Odors NONE	TIDE: OUTGOID
ROADDOT CREEK LONG: 73.969 temperature 25.7 Floatables CRESSING WAROUT ON DOTO DUN PARK 10.33 A Odors NODE CRESSING WAROUT DOTO DUN SITE # 7: MID - LAT: 46.785 DO Grease NOT TIDAL. STRAIGHT OUT FROM WESTERLY ROMONT CREEK APPROX. LONG: 73.015 DO THE Grease NONE NOT TIDAL. STRAIGHT OUT FROM WESTERLY NYSDEC BOAT LAVNCH LONG: DO Grease NONE ENDE DVPLICATE LAT: DO Grease STERE STEREZ SITE # 7: DO Grease STEREZ ENDE STEREZ DVPLICATE LAT: DO Grease STEREZ STEREZ SITE # 7: DO Grease STEREZ STEREZ DVPLICATE LAT: DO Grease STEREZ SITE # 7: LONG: DO Grease STEREZ STEREZ	SITE #5: MID-	LAT: 41.921	DO 7.9	Grease NOPE	50 YDS SOUTHERLY OF GAS LINE
PARK Odors NOPE SITE # 7: MID- RONDOUT CREEK APPROX 3/4 MILE UPSTREAM OF EDOYVILLE DAM AT NYSDEL BOAT LAUNCH LAT: MILTON DO DO T.V Grease NONE NOT TIDAL. STRAIGHT OUT FROM WESTERLY END BOAT LAUNCH DVPLICATE LAT: LONG: DO Grease NONE END DVPLICATE LONG: DO Grease SITE # 2 SITE # 2 Odors NONE SITE # 2	UPSTREAM OF BLOCK	LONG; 73.469	temperature 25.7	Floatables NONE	CROSSING WILLOUGH
SITE # 7: MID- RONDONT CREEK APPROX. LAT: MILTON 6: 73.015 DO INF Grease NONE NOT TIDAL. STRAIGHT OUT HOW WESTERLY 3/4 MILE UPSTREAM OF EDOVVILLE DAM AT NYSDEL BOAT LAUNCH LON 6: 73.015 DO INF Grease EAD BOAT LAUNCH DVPLICATE LAT: DO Grease SITE # 2 SITE # 2 DVPLICATE LON 6: DO Grease SITE # 2 SITE # 2 Odors Grease SITE # 2	PARK	10.3314	- 1	Odors Nope	FLOW : ALWAYS EASTERLY (DOWN STREAM) - LOCATIO
3/4 MILE UPSTREAM OF EDOVVILLE DAM AT NYSDEL BOAT LAUNCH LONG temperature Pioatables DVPLICATE LAT: DO Grease SITEEZ SITE LONG: temperature Floatables SITEEZ	SITE # 7: MID- RONDAUT CREEK APPROX	LAT: 71,787	DO INT	Grease NONE	END BOAT LAVNCH
NYSDEL BOAT LAUNCH LAT: DO Grease DVPLICATE LONG: temperature Floatables SITERZ SITERZ Odors Odors	3/4 MILE UPSTREAM OF EDDYVILLE DAM AT	INDOA	temperature 25 (Odors NONE	
DVPLICATE LONG: temperature Floatables SILETC	NYSDEL BOAT LAUNCH	LAT:	DO	Grease	07-1-7
SITE Z	DUPLICATE	LONGI	temperature	Floatables	- SILE' C
	5176 #1			Odors	
	Contraction of the owner owner owner owner owner owner owne	1	0	91020	

HIGH TIDED 8:22 A \$ 9:03P

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	420 Broadway Kingston	NY	12401	PO)#
Client P	Project Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		8
Order c	comment:				
Order II	D:	123241			
Sample	Number:	219695			
Sample	Location:	Site #1, grab			
Sample	Comment:	FC rec'd at 1	4.1 deg C		
Date/Ti	me sample collected:	8/5/2014	10:06	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	ətər	Te	est Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

×

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office			
	420 Broadway Kingston	NY	12401	PO) #
		Desident Ore			
Client F	Project Name:	Rondout Cre	iek		
Sample	э Туре:	Surface wai	er		
Order c	comment:	402044			
Order II	D:	123241			
Sample	Number:	219696			
Sample	Location:	Site #2, grab) ⁽⁴⁾		
Sample	Comment:	FC rec'd at 1	2.8 deg C		
Date/Ti	me sample collected:	8/5/2014	10:17	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	eter	Т	est Result*	Units	Test Method
Fecal C	Coliform		30	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Mahager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office			
	Attn: Alan Adin				
	420 Broadway				х <i>и</i>
	Kingston	NY	12401	PC	/#
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	comment:				
Order I	D:	123241			
Sample	Number:	219697			
Sample	Location:	Site #3, grab			
Sample	Comment:	FC rec'd at 1	2.0 deg C		
Date/Ti	me sample collected:	8/5/2014	10:23	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	eter	Te	st Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client F	Project Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order c	omment:				
Order ID:		123241			
Sample	Number:	219698			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 1	2.9 deg C		
Date/Ti	me sample collected:	8/5/2014	10:29	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	ətər	Te	est Result*	Units	Test Method
Fecal C	oliform		30	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	420 Broadway					
	Kingston	NY	12401	PO)#	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	comment:					
Order II	D:	123241				
Sample	Number:	219699				
Sample	Location:	Site #5, grab	1			
Sample	Comment:	FC rec'd at 1	1.8 deg C			
Date/Ti	me sample collected:	8/5/2014	10:33	Collected By:	Ralph S.	
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina	
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD	
Parame	ətər	Te	est Result*	Units	Tes	t Method
Fecal C	oliform		50	CFU/100m	nL SM	18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: (Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office			
	420 Broadway				
	Kingston	NY	12401	PO) #
	Decident Norma	Rondout Cre	ok		
Chent F		Surface Wat	er		
Order	comment.	Gundoo Ival			
Order I		123241			
Sample	Number:	219700			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 1	1.1 deg C		
Date/Ti	me sample collected:	8/5/2014	10:26	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Paramo	ətər	Те	st Result*	Units	Test Method
Fecal C	Coliform		50	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	#
Client F	Project Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order c	comment:				
Order II	D:	123241			
Sample	Number:	219701			
Sample	Location:	Site #7, grab			
Sample	e Comment:	FC rec'd at 1	1.2 deg C		
Date/Ti	me sample collected:	8/5/2014	11:00	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PO	#
Client F	Project Name:	Rondout Cre	ek		
Sample	Type:	Surface Wate	ər		
Order c	comment:				
Order II	D:	123241			
Sample	Number:	219702			
Sample	Location:	Duplicate Site	e #2, grab		
Sample	Comment:	FC rec'd at 1	2.5 deg C		
Date/Ti	me sample collected:	8/5/2014	10:12	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	13:40	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	ətər	Te	st Result*	Units	Test Method
Fecal C	oliform		20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401	PO	*
Client Project Name:		Rondout C	reek		
Sample Type:		Water			
Order c	omment:				
Order ID:		123241			
Sample	Number:	219703			
Sample Location:		Blank-QC			
Sample Comment:		100 mL buffered rinse water used.		d.	
Date/Ti	me sample collected:	8/5/2014	15:15	Collected By:	Ralph S.
Date/Ti	me sample received:	8/5/2014	15:15	Received by:	Karolina
Date/Ti	me sample analyzed:	8/5/2014	15:15	Tech:	DMD
Parame	eter	Test Result*		Units	Test Method
Fecal Coliform		< 1		CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway	rs Office					
Kingston	NY	12401		PC) #	
Sample Type: Client Project Name: Order comment:	Surface Wa Rondout Cro	ter eek				
Order ID: 123241 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: Site #1, gra 8/5/2014 8/5/2014 FC rec'd at	219695 b 10:06 13:40 14.1 deg C	Sample Collected Sample Received I	By: AW by: Karo	olina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result 3 < 0.1	Units mg/L mL/L	Test Method SM20 2540 D SM20 2540F	Test Date 8/8/2014 8/5/2014	Test Time 16:00	Tech** SW LAE
Order ID: 123241 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: Site #2, gra 8/5/2014 8/5/2014 FC rec'd at	219696 b 10:17 13:40 12.8 deg C	Sample Collected Sample Received	By: AW by: Karc	olina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result 4 < 0.1	Units mg/L mL/L	Test Method SM20 2540 D SM20 2540F	Test Date 8/8/2014 8/5/2014	Test Time 16:00	Tech** SW LAE
Order ID: 123241 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: Site #3, gra 8/5/2014 8/5/2014 FC rec'd at	219697 b 10:23 13:40 12.0 deg C	Sample Collected Sample Received	By: AW by: Karc	olina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result 4 < 0.1	Units mg/L mL/L	Test Method SM20 2540 D SM20 2540F	Test Date 8/8/2014 8/5/2014	Test Time 16:00	Tech** SW LAE
Order ID: 123241 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: Site #4, gra 8/5/2014 8/5/2014 FC rec'd at	219698 b 10:29 13:40 12.9 deg C	Sample Collected Sample Received	By : AW by: Karo	olina	
Parameter: Total Suspended Solids Solids, Settleable	Test Result 3 < 0.1	Units mg/L mL/L	Test Method SM20 2540 D SM20 2540F	Test Date 8/8/2014 8/5/2014	Test Time 16:00	Tech** SW LAE

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee	rs Office					
Attn: Alan Adin						
420 Broadway	NIX/	10404		PO	#	
Kingston	NY	12401		PU	#	
Order ID: 123241 Sam	ole Number:	219699				
Sample Location:	Site #5, gra	ab				
Date/Time sample collected:	8/5/2014	10:33	Sample Collected	By: AVV		
Date/Time samples received:	8/5/2014	13:40	Sample Received	by: Karo	lina	
Sample Comment:	FC rec'd at	11.8 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	4 mg/L	SM20 2540 D	8/8/2014		SW
Solids, Settleable	< 0.1	1 mL/L	SM20 2540F	8/5/2014	16:00	LAE
Order ID: 123241 Sam	ple Number:	219700	-			
Sample Location:	Site #6, gra	ab				
Date/Time sample collected:	8/5/2014	10:26	Sample Collected	By: AW		
Date/Time samples received:	8/5/2014	13:40	Sample Received	by: Karc	olina	
Sample Comment:	FC rec'd at	t 11.1 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids		4 mg/L	SM20 2540 D	8/8/2014		SW
Solids, Settleable	< 0.1	1 mL/L	SM20 2540F	8/5/2014	16:00	LAE
Order ID: 123241 Sam	ple Number:	219701				
Sample Location:	Site #7, gr	ab				
Date/Time sample collected:	8/5/2014	11:00	Sample Collected	By: AW		
Date/Time samples received:	8/5/2014	13:40	Sample Received	by: Kard	olina	
Sample Comment:	FC rec'd a	t 11.2 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids		2 mg/L	SM20 2540 D	8/8/2014		SW
Solids, Settleable	< 0.	1 mL/L	SM20 2540F	8/5/2014	16:00	LAE
Order ID: 123241 Sam	ple Number:	219702				
Sample Location:	Duplicate :	Site #2, grab				
Date/Time sample collected:	8/5/2014	10:12	Sample Collected	By: AW		
Date/Time samples received:	8/5/2014	13:40	Sample Received	by: Kard	olina	
Sample Comment:		10 5 1				
	FC rec'd a	t 12.5 deg C				
Parameter:	FC rec'd a	t 12.5 deg C t Units	Test Method	Test Date	Test Time	Tech**
Parameter: Total Suspended Solids	FC rec'd a Test Result	t 12.5 deg C t Units 2 mg/L	Test Method SM20 2540 D	Test Date 8/8/2014	Test Time	Tech** SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

12401

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

Keviewed by: Laboratory Wanager, ELAF Lab Ib #10024 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is $\underline{3}$

			DEY WEATHER.	
ttach nt 1 - Sampling	Event Summary Sheet	t		S 12.12 Page of
nitiale:	ATA.		Date:	
Sampling Team:	A. Adin / A. Which	hell / Jim Podezeno	sin r	LAMS & 10:15 (vie accum lation
Neethor:	LIGHT RAIN STARS	TS ~ 9:20A.	Temperature:	
Veatien of Flow	OUT EASTER	27	. LOW TIDE -	- 9:43 A
Direction of Flow.			Physical Observations	Comments
Sampling Location	Time	Field Parameter	Circles LIGNE	TIDE: OUT EASTERY
SITE #1: MID-RONDOUT	LATINOE: 41.900	DO 9.1 mm/L	Grease Nove	APPROX. 15 YDS WESTERDY OF FEENEY DRY
UPSTREAM OF WILBUR	LONGIT WE. 194.004	temperature 25.20	Floatables 70000	FEENEY AND RECYCLING BUSINESS
AVE, OUTPALL	4:38A		Odors NONE.	TIDE: OUT EASTERLY
SITE #Z: MID-RONDOUT	LAT: AI 91	DO 9.5mg/2	Grease NONE	50 YDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: 73.94	temperature 24.9°C	Floatables NONE	CAUSEWAY CULVERTS
OF DUCK IT	9:470		Odors NONF-	ANT EACTERIN
SITE #3: MID-	LAT: ALAL	DO 9.7~9/L	Grease None	25 YDS SOUTHERLY OF OLD STEEL
RONDAUT CREEK	LONG: 2308	temperature 25.1°C	Floatables MDUF	BOILER PROTEUOING FROM WATER NEAR
UPSTREAM OF OLD	9 GA	temperature by	Odors NONE	SCAUD DOCK DOCK
BRIDGE	LATIANO	10,10411	Grease NONE	TIDE: OUT EASTERLY OF CLEARWATER
SITE #6; MID-	LONGING	10 10 110	Floatables NONE	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER NEW BRIDGE	73.93	temperature 23.00	Odors ADAK	
	- 4 76A	12 1 L.	Odors 100/02	TIDE: OUT EASTERLY
SITE #4: MID-	LAT: AIGN	DO 10. Mg/L.	Grease 10010-	50 YDS SOUTHERLY OF STEELIUSS
APPROX, 200 YDS	LON 6: 73.45	temperature 45:20	Floatables 100101	RES MURANO 1 COMP O
DOWNSTREAM OF	9.58A		Odors /////	TIDE: OUT EASTERIN
SITE #5: MID-	LAT: 41.92	DO 8.9 mg/2	Grease NONE	50 YDS SOUTHERLY OF GAS LINE
RONDONT CREEK	LONG: 73.97	temperature 25,1°C.	Floatables NOME	CROSSING WARNING SIGN
PARK	10:04A		Odors NOWE	LATION 1/ STOREAN)- LOCATION
CITE # 7. MID-	1AT: 41.99	DO GA	Grease NOME	FLOW: ALWAYS EASTERCY (DOUBS STICKIN)
RONDAUT CREEK APPRO	X. LONK: 73.02	Annaroturo 2010	Floatables YES -	END BOAT LANNCH
EDOYVILLE DAM AT	10135 A	temperature 1-1	Odors NOWE	
NYSDEL BOAT AUNCH	101		Grasse ALDAF	MUNIMAL - VEGEDATIVE
Ī.	LATI	00	Chestablas XEC	MATTER FLOATS.
DUPLICATE	LONDI	temperature	rioatables (C)	
	1 211272		Odors NUNC	



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	420 Broadway Kingston	NY	12401	PO	#	
Client F	Project Name:	Rondout Cree	ek			
Sample Type:		Surface Wate	er			
Order comment: Order ID:						
		123464				
Sample	Number:	220265				
Sample	Location:	Site #1, grab				
Sample	e Comment:	FC rec'd at 1	1.9 deg C.			
Date/Ti	me sample collected:	8/12/2014	9:38	Collected By:	AA	
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS	
Paramo	ətər	Te	st Result*	Units		Test Method
Fecal C	Coliform		60	CFU/100m	ιL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PO #			
Client F	Project Name:	Rondout Cree	.k				
Sample	Туре:	Surface Wate	r				
Order c	omment:						
Order II	D:	123464					
Sample	Number:	220266					
Sample	Location:	Site #2, grab					
Sample	Comment:	FC rec'd at 10).8 deg C.				
Date/Ti	me sample collected:	8/12/2014	9:47	Collected By:	AA		
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS		
Parame	ətər	Tes	st Result*	Units		Test Method	
Fecal C	oliform		10	CFU/100m	۱L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

2

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	2401	PO #			
Client F	Project Name:	Rondout Cree	k				
Sample Type: Order comment:		Surface Wate	r				
Order II	D:	123464					
Sample	Number:	220267					
Sample	Location:	Site #3, grab					
Sample	Comment:	FC rec'd at 11	.5 deg C.				
Date/Ti	me sample collected:	8/12/2014	9:52	Collected By:	AA		
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS		
Parame	ətər	Tea	st Result*	Units		Test Method	
Fecal C	oliform		30	CFU/100m	۱L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway					
	Kingston	NY	2401	PO	#	
Client F	Project Name:	Rondout Cree	k			
Sample	Type:	Surface Wate	r			
Order comment:						
Order I	D:	123464				
Sample	Number:	220268				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 10).8 deg C.			
Date/Ti	me sample collected:	8/12/2014	9:58	Collected By:	AA	
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS	
Paramo	ətər	Te:	st Result*	Units		Test Method
Fecal C	oliform		80	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office					
	Kingston	[©] NY [·]	2401	PO #			
Client P	Project Name:	Rondout Cree	k				
Sample	Туре:	Surface Wate	r				
Order c	omment:						
Order II	D:	123464					
Sample	Number:	220269					
Sample	Location:	Site #5, grab					
Sample	Comment:	FC rec'd at 11	.6 deg C.				
Date/Ti	me sample collected:	8/12/2014	10:04	Collected By:	AA		
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech	SS		
Parame	iter	Tes	t Result*	Units	Test Method		
Fecal C	oliform		30	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office					
	420 Broadway Kingston	NY	12401	PO #			
Client P	Project Name:	Rondout Cree	k				
Sample	Type:	Surface Wate	r				
Order comment:							
Order II	D:	123464					
Sample	Number:	220270					
Sample	Location:	Site #6, grab					
Sample	Comment:	FC rec'd at 15	5.6 deg C.				
Date/Ti	me sample collected:	8/12/2014	9:56	Collected By:	AA		
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS		
Parame	əter	Tes	st Result*	Units		Test Method	
Fecal C	coliform		30	CFU/100m	nL.	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office				
	Attn: Alan Adin					
	420 Broadway			PO #		
	Kingston	NY	12401			
Client F	Project Name:	Rondout Cree	łk			
Sample	Type:	Surface Wate	r			
Order c	omment:					
Order ID:		123464				
Sample	Number:	220271				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 14	4.8 deg C.			
Date/Ti	me sample collected:	8/12/2014	10:35	Collected By:	AA	
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo	1
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS	
Parame	əter	Te	st Result*	Units		Test Method
Fecal C	oliform		< 10	CFU/100m	۱L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office					
	Attn: Alan Adın						
	420 Broadway						
	Kingston	NY	12401	PO #			
Client F	Project Name:	Rondout Cre	ek				
Sample	Type:	Surface Wate	er				
Order c	comment:						
Order ID:		123464					
Sample	a Number:	220272					
Sample	• Location:	Duplicate, Si	te #3, grab			2	
Sample	Comment:	FC rec'd at 1	6.8 deg C.				
Date/Ti	me sample collected:	8/12/2014	9:52	Collected By:	AA		
Date/Ti	me sample received:	8/12/2014	12:15	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS		
Parame	ətər	Тө	st Result*	Units		Test Method	
Fecal C	oliform		50	CFU/100m	۱L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office						
	Kingston	NY	12401	PC				
Client P	Project Name:	Rondout Cre	ek					
Sample	Туре:	Water						
Order c	omment:							
Order II	D:	123464						
Sample	Number:	220273						
Sample	Location:	Blank-QC						
Sample	Comment:	100 mL of bu	offered rinse water used					
Date/Ti	me sample collected:	8/12/2014	13:25	Collected By:				
Date/Ti	me sample received:	8/12/2014	13:25	Received by:	Amy Jo			
Date/Ti	me sample analyzed:	8/12/2014	13:25	Tech:	SS			
Parame	ter	Te	st Result*	Units		Test Method		
Fecal C	oliform		< 1	CFU/100m	۱L	SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Aug-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineer Attn: Alan Adin	rs Office					
420 Broadway Kingston	NY	12401		PO #		
Sample Type:	Surface Wat	ter				
Client Project Name:	Rondout Cre	ek				
Order comment:						
Order ID: 123464 Sam	ple Number:	220265		1		
Sample Location:	Site #1, gral	0				
Date/Time sample collected:	8/12/2014	9:38	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy J	0	
Sample Comment:	FC rec'd at	11.9 deg C.				15
Parameter:	Test Result	Units	Test Method	Test Date T	est Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW
Order ID: 123464 Sam	ple Number:	220266				
Sample Location:	Site #2, gra	b				
Date/Time sample collected:	8/12/2014	9:47	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy J	Jo	
Sample Comment:	FC rec'd at	10.8 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date T	lest Time	Tech**
Total Suspended Solids	3	mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	
Order ID: 123464 Sam	ple Number:	220267				
Sample Location:	Site #3, gra	b				
Date/Time sample collected:	8/12/2014	9:52	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at	11.5 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date 1	Test Time	Tech**
Total Suspended Solids	5	i mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW
Order ID: 123464 Sam	ple Number:	220268				
Sample Location:	Site #4, gra	ab				
Date/Time sample collected:	8/12/2014	9:58	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy	JO	
Sample Comment:	FC rec'd at	10.8 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	3	3 mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	1 mL/L	SM20 2540F	8/12/2014	12:25	sw



.

SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engin Attn: Alan Adin	eers Office					
420 Broadway Kingston	NY 1	2401		PO	#	
Order ID: 123464 Sa	mple Number:	220269				
Sample Location:	Site #5, grab					
Date/Time sample collected:	8/12/2014	10:04	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at 1	1.6 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW
Order ID: 123464 Sa	mple Number:	220270				
Sample Location:	Site #6, grab)				
Date/Time sample collected:	8/12/2014	9:56	Sample Collected	By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	by: Amy	Jo	
Sample Comment:	FC rec'd at 1	5.6 deg C.				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW
Order ID: 123464 S	ample Number:	220271				
Sample Location:	Site #7, grat	נ				
Date/Time sample collected:	8/12/2014	10:35	Sample Collected	iBy: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	i by: Amy	o l	
Sample Comment:	FC rec'd at	14.8 deg C	2			
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	1	mg/L	SM20 2540 D	8/14/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW
Order ID: 123464 S	ample Number:	220272				
Sample Location:	Duplicate, S	ite #3, gra	b			
Date/Time sample collected:	8/12/2014	9:52	Sample Collecter	d By: AA		
Date/Time samples received:	8/12/2014	12:15	Sample Received	lby: Am	y Jo	
Sample Comment:	FC rec'd at	16.8 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	2	mg/L	SM20 2540 D	8/14/2014		SW
Solids Settleable	< 0.1	mL/L	SM20 2540F	8/12/2014	12:25	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Eng Attn: Alan Adin 420 Broadway Kingston	ineers Office NY	12401		PC) #	
Order ID	: 123464 \$	Sample Number:	220273				
Sample	Location:	Blank-QC					
Date/Tim	ne sample collected:	8/12/2014	13:25	Sample Collected I	Зy:		
Date/Tim	ne samples received	: 8/12/2014	13:25	Sample Received b	y: Amy	Jo	
Sample	Comment:	100 mL of	buffered rin	ise water used			
Paramet	er:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Su	spended Solids	< '	1 mg/L	SM20 2540 D	8/14/2014		SW
Solids, S	ettleable	< 0.1	1 mL/L	SM20 2540F	8/12/2014	12:25	SW
Results	Comment:						

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

21-Aug-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is ____

4 Scenic Drive 4 Scenic Drive Hyde Park, NY Phone: 845-229 Fax: 845-229	Client Name:	Mailing Address		LAB USE ONLY	Sample No:	AVIVE R	7/1.1	D I I	197C	21.0	100	271	1272		Sampled By: (Name my knowledge. I ak	Sample Relinquished	Sample(s) received Thermal Preservatic	Chemical Preservati	Correct Bottle Type	Other
6538	CITY OF KINGS	: 420 BROADW	KINGSTON, N	Sample Ide	Sampic rec Sampi	SITE #1	SITE #2	SITE #3	SITE #4	SITE #5	SITE #6	SITE #7	DUPLICATE) ALAN AD	By:	met the following req	ion WA Yes No_	(as) No	
Turnaround Tim RUSH [] (Russ ** Date report n	STON	'AY	VY 12401	IENT: COMPLE	le Point										ponsible for payment,		uirements	-		-
e: Stand h surchau equested:			l	TE THE	Matrix	WS	SW	WS	SW	SW	SW	SW	SW		unless other		1	-		
ard 🗸 Se appli				SAMP (C	Gnab	×	×	×	×	×	×	×	×		payment a	1	10000	14.		
8	Client I	Client I	Copy R	LE INFO	Comp # hrs										urangemen	Received				
	phone No	Email:	leport To	B) INWAT	First Draw										itle) <u>EN(</u> ts are appr	l at Lab By	Commen			
	o: _845-	aadin@l	:_RALF	ION IN reatment	Type & Residual										oved in adv	- AU	LS:			2
Copy results Local Health Yes N	334-3968	cingston-ny.	H SWENSC	Date/Time	Sampled 5-12-14	9:38A	9:47A	9.52A	4:58A	10:044	9-56A	10:35A.	9:52A		VG TECH .	A CAR	c			
lo ↓ Dept.		yoy	Ĭ	E PROV		SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS		Laboratory					
	Project		PWS F	Analysis	Requested										hereby affirm that					Dat
Amt Pmt Rece	Facility Name: _	Location:	ed ID No: NY	Container	Preservativ	1-1/2 L PLAS	I-ILPLAS I-1/2 L PLAS	1-1LPLAS 1-1/2 L PLAS	1-112PLAS 1-1/2 L PLAS	1-112 L PLAS	1-11.PLAS 1-1/2 L PLAS	I-ILPLAS I-1/2 L PLAS	1-112 L PLAS		the information abov	_ Date				Beview Mor
Due: Paid: Method : sipt No:	RONDO			Re ICe	° X	5	Ę						F	-	e is true an	10110				5
	UT CREI			1 Sampl	Deg	16.91	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	IL'S	15.6	10.6	15-2	20.1	12/201	-	l complete t	Time				Date
	EK				i ş			F)		<u> </u>	2/1	<u>ل</u> غا	Ē		io the bes	Qu			1	Nic

nitials:	BA	2.5	Date:	Aug 18, 2014 Page of
empling Team:	244 SCHEAFEL	/ RALPH JNEW	302	5
	PARTLY CLOUT	γ	Temperature: 70 >	anat Q
veation of Flow:	OUTGOING T	HDE (EASTERLY	()	DRY WENTYER.
in the star	Time	Field Parameter	Physical Observations	Comments
Sampling Location	I ATITURE: MIGOL	1.8 00	Grease Nove	ADDRAW 15 YDS WESTERLY OF FLENEY DRY
REEK APPROX. 250 YOS	LONGITUDE: 74 004	100 342 (Floatables deals?	DOCK AT PROPERTY BOUNDARY BETWEEN
PSTREAM OF WILBUR		temperature 21.3	Odors Albale	FEENEY AND RECYCLING BUSINESS /1.00 ANY
11,000	,	زمم میرد.		TIDE: CUT
SITE # 2: MID-RONCOUT	LAT: 41.912	DO 7.8	Grease Non 2	50 YDS SOUTHERLY OF THE CONTRACTOR
REEK - UPSTRESS	LONG. 12.11	temperature 23.4 C	Floatables 28 22	LAUSEWIT I I I I I TATA
			Odors NONS	TINE OUT
THE H3. MID-	LAT: 41.915	no 7.8	Grease NONE	25 YDS SOUTHERLY OF OLD STEEL
RONDAUT CREEK	1006: 73784	temporature 73.7 C	Floatables NoNE	BOILER PROTRUDING FROM WATER ADA
IPSTREAM OF OLD		temperature ,co.	Odors NONE	ISCAUD COCC POLITICA TIL. AL
BRIDGE	10.0.19	70	Course als dis	TIDE: OUT
SITE #6; MID-	LAT: 41,7/1	DO <u>7</u>	Grease -Or	SO YDS SOUTHEREY OF
RONDOUT CREEK	LONG, TS. TOL	temperature 23.1c	Floatables None	11:25 1824
	4		Odors NORE	TINE: OUT
CITE #4. MID-	LAT: 41.913	DO 7.8	Grease NONS	50 YDS SOUTHERLY OF STEELHOUSE
RONDOUT CREEK	LON 6: 73.479	tomperature 17.6 C	Floatables Homig	RESTAURANT CONFRED PATTC
APPROX, ZOO YD>		temperature /o.	Odors DENE	Ili so rima
NEW BRIDGE	11.655		Grosse JENS	TIDE: OUT
SITE #5: MID-	LAT: Y. TAN	DO ///	Glease 10-	50 YDS SOUTHERLY OF GAS LINE
VPSTREAM OF BLOCK	LONG: ". ICI	temperature 13,5 C	Floatables	11236 Ann
PARK			Odors NONW	FLANN: ALWAYS EASTERLY (DOWN STREAM) - LOCATI
SITE # 7. MID-	LAT: 41, 885	DO 7.1	Grease NONE	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
RONDOUT CREEK APPRO	X. LON 6: 74,030	temperature 23.0 0	Floatables LLGHY	END BOAT LANNCH
5/4 MILE UPSPREAM OF		temperature 2010	Odors NONE	12:15 PM
NYSDEL BOAT LAUNCH	1-1 211 912	7.9	Grasse NONG	54m 5 AS
	LAT: 71. 1.2	DO 7.0	Clease Light	#3 SIME 4
DUPLICATE	LONG, 120% 11	temperature 23.6 C	Floatables	
(5 th 4)	1		Odors ADAR	

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401		PO #	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	omment:					
Order I	D:	123649				
Sample	Number:	220660				
Sample	Location:	Site #1, grab				
Sample	Comment:	FC rec'd at 9	.3 deg C			
Date/Tin	ne sample collected:	8/18/2014	11:00	Collected By	: Ralph S	Swenson
Date/Tin	ne sample received:	8/18/2014	13:40	Received by:	Karolina	a
Date/Tin	ne sample analyzed:	8/18/2014	16:40	Tech	: SS	
Parame	ter	Те	st Result*	Units	3	Test Method
Fecal Co	oliform		20	CFU/100)mL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Law Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order I	D:	123649			
Sample	Number:	220661		2	
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 10	0.9 deg C		
Date/Tin	ne sample collected:	8/18/2014	11:12	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	me sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order I	D:	123649			
Sample	Number:	220662			
Sample	Location:	Site #3, grab			
Sample	Comment:	FC rec'd at 10	0.8 deg C		
Date/Tin	ne sample collected:	8/18/2014	11:20	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tin	ne sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: ab Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	roject Name:	Rondout Cree	ek		
Sample Type:		Surface Wate	er		
Order c	omment:				
Order I	D:	123649			
Sample	Number:	220663			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 10).6 deg C		
Date/Tin	ne sample collected:	8/18/2014	11:30	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	ne sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin	eers Office			
	Kingston	NY	12401	PC)#
Client P	Project Name:	Rondout Cree	ek		
Sample Type:		Surface Wate	er		
Order c	omment:				
Order II	D:	123649			
Sample	Number:	220664			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 10	0.8 deg C		
Date/Tir	ne sample collected:	8/18/2014	11:36	Collected By:	Ralph Swenson
Date/Tir	me sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	me sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: (ab Manager, ELAP Lab ID #10924

21-Aug-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway		12401	DC	× 4
	Kingston	INT	12401	FC	<i>)</i> #
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	123649	ж. 		
Sample	Number:	220665			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 9.	4 deg C		
Date/Tir	me sample collected:	8/18/2014	11:25	Collected By:	Ralph Swenson
Date/Tir	me sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	me sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		30	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine Attn: Alan Adin 420 Broadway		eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order I	D:	123649			
Sample	Number:	220666			
Sample	Location:	Site #7, grab			
Sample Comment:		FC rec'd at 8.9 deg C			
Date/Tir	ne sample collected:	8/18/2014	12:15	Collected By:	Ralph Swenson
Date/Tir	ne sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	ne sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Te	st Result*	Units	Test Method
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

21-Aug-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine Attn: Alan Adin		eers Office			
	420 Broadway Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	łk		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	123649			
Sample	Number:	220667			
Sample	Location:	Duplicate, Site 4, grab			
Sample	Comment:	FC rec'd at 9.	8 deg C		
Date/Tir	me sample collected:	8/18/2014	11:30	Collected By:	Ralph Swenson
Date/Tir	me sample received:	8/18/2014	13:40	Received by:	Karolina
Date/Tir	me sample analyzed:	8/18/2014	16:40	Tech:	SS
Parame	ter	Tes	t Result*	Units	Test Method
Fecal Co	oliform		20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

21-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office				
	Kingston	NY	12401	PC) #	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Water				
Order c	omment:					
Order I	D:	123649				
Sample	Number:	220668				
Sample Location:		Blank-QC				
Sample Comment:		100 mL buffe	ered rinse water used			
Date/Tir	ne sample collected:	8/18/2014	16:40	Collected By:		
Date/Tir	ne sample received:	8/18/2014	16:40	Received by:	Karolina	
Date/Tir	me sample analyzed:	8/18/2014	16:40	Tech:	SS	
Parame	ter	Te	est Result*	Units		Test Method
Fecal Co	oliform		< 1	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

21-Aug-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client. City of Kingston Engine	ers Office					
Attn: Alan Adin						
420 Broadway						
Kingston	NY	12401		PC) #	
Sample Type:	Surface Wa	iter				
Client Project Name:	Rondout Cr	eek				
Order comment:						
Order ID: 123649 Sam	ple Number:	220660				
Sample Location:	Site #1, gra	b				
Date/Time sample collected:	8/18/2014	11:00	Sample Collected	By: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received I	by: Karo	olina	
Sample Comment:	FC rec'd at	9.3 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	mg/L	SM20 2540 D	8/19/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/18/2014	13:50	SW
Order ID: 123649 San	ple Number:	220661				
Sample Location:	Site #2, gra	b				
Date/Time sample collected:	8/18/2014	11:12	Sample Collected	By: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received I	by: Karo	olina	
Date/Time samples received Sample Comment:	8/18/2014 FC rec'd at	13:40 10.9 deg C	Sample Received I	by: Kard	olina	
Date/Time samples received Sample Comment: Parameter:	8/18/2014 FC rec'd at Test Result	13:40 10.9 deg C Units	Sample Received I	by: Kard Test Date	Test Time	Tech**
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids	8/18/2014 FC rec'd at Test Result 2	13:40 10.9 deg C Units mg/L	Sample Received I Test Method SM20 2540 D	by: Kard Test Date 8/19/2014	olina Test Time	Tech** SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable	8/18/2014 FC rec'd at Test Result 2 < 0.1	13:40 10.9 deg C Units mg/L mL/L	Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014	Dina Test Time 13:50	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam	8/18/2014 FC rec'd at Test Result 2 < 0.1 aple Number:	13:40 10.9 deg C Units mg/L mL/L 220662	Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014	Test Time 13:50	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location:	8/18/2014 FC rec'd at Test Result 2 < 0.1 Tople Number: Site #3, gra	13:40 10.9 deg C Units mg/L mL/L 220662 ab	Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014	Test Time 13:50	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected:	8/18/2014 FC rec'd at Test Result 2 < 0.1 Tople Number: Site #3, gra 8/18/2014	13:40 10.9 deg C Units mg/L mL/L 220662 nb 11:20	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected	by: Karc Test Date 8/19/2014 8/18/2014 By: Ralp	Test Time 13:50	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received	8/18/2014 FC rec'd at Test Result 2 < 0.1 ople Number: Site #3, gra 8/18/2014 8/18/2014	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard	Test Time 13:50 oh Swenson olina	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment:	8/18/2014 FC rec'd at Test Result 2 < 0.1 10/10 Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at	13:40 10.9 deg C Units mg/L mL/L 220662 ub 11:20 13:40 10.8 deg C	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard	Test Time 13:50 oh Swenson olina	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter:	8/18/2014 FC rec'd at Test Result 2 < 0.1 Typle Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I Test Method	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date	Test Time 13:50 oh Swenson olina Test Time	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids	8/18/2014 FC rec'd at Test Result 2 < 0.1 Tople Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result 3	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014	Dina Test Time 13:50 Dh Swenson Dina Test Time	Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable	8/18/2014 FC rec'd at Test Result 2 < 0.1 pple Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result 3 < 0.1	13:40 10.9 deg C Units mg/L mL/L 220662 db 11:20 13:40 10.8 deg C Units mg/L mL/L	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/18/2014	Test Time 13:50 oh Swenson olina Test Time 13:50	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam	8/18/2014 FC rec'd at Test Result 2 < 0.1 nple Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result 3 < 0.1	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L mL/L 220663	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/18/2014	olina Test Time 13:50 Oh Swenson Dina Test Time 13:50	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location:	8/18/2014 FC rec'd at Test Result 2 < 0.1 pple Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result 3 < 0.1 pple Number: Site #4, gra	13:40 10.9 deg C Units mg/L mL/L 220662 db 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 db	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/18/2014	olina Test Time 13:50 oh Swenson olina Test Time 13:50	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected:	8/18/2014 FC rec'd at Test Result 2 < 0.1 nple Number: Site #3, gra 8/18/2014 FC rec'd at Test Result 3 < 0.1 nple Number: Site #4, gra 8/18/2014	13:40 10.9 deg C Units mg/L mL/L 220662 ub 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 ub 11:30	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected	by: Kard Test Date 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/18/2014 8/18/2014 By: Ralp	Test Time 13:50 oh Swenson olina Test Time 13:50 oh Swenson	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time sample seceived	8/18/2014 FC rec'd at Test Result 2 < 0.1 nple Number: Site #3, gra 8/18/2014 8/18/2014 FC rec'd at Test Result 3 < 0.1 nple Number: Site #4, gra 8/18/2014 8/18/2014	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 ab 11:30 13:40	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I	by: Kard Test Date 8/19/2014 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/18/2014 By: Ralp by: Kard By: Ralp By: Ralp By: Ralp By: Ralp By: Ralp By: Ralp By: Kard	olina Test Time 13:50 oh Swenson olina Test Time 13:50 oh Swenson olina	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time sample seceived Sample Location:	8/18/2014 FC rec'd at Test Result 2 < 0.1 pple Number: Site #3, gra 8/18/2014 FC rec'd at Test Result 3 < 0.1 pple Number: Site #4, gra 8/18/2014 8/18/2014 FC rec'd at	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 ab 11:30 13:40 10.6 deg C	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I	by: Kard Test Date 8/19/2014 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/19/2014 8/19/2014 By: Kard By: Ralp by: Ralp By: Ralp By: Ralp by: Kard	Dina Test Time 13:50 Dh Swenson Dina Test Time 13:50 Dh Swenson Dina	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter:	8/18/2014 FC rec'd at Test Result 2 < 0.1 Tople Number: Site #3, gra 8/18/2014 FC rec'd at Test Result 3 < 0.1 Tople Number: Site #4, gra 8/18/2014 8/18/2014 FC rec'd at Test Result Test Result	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 ab 11:30 13:40 10.6 deg C Units	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540F Sample Collected Sample Received I Test Method	by: Karc Test Date 8/19/2014 8/19/2014 8/18/2014 By: Ralp by: Karc Test Date 8/19/2014 8/19/2014 8/18/2014 By: Ralp by: Karc Test Date 8/18/2014 By: Ralp by: Karc Test Date 8/18/2014	Dina Test Time 13:50 Dh Swenson Dina Test Time 13:50 Dh Swenson Dina Test Time	Tech** SW SW Tech** SW SW
Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids Solids, Settleable Order ID: 123649 Sam Sample Location: Date/Time sample collected: Date/Time samples received Sample Comment: Parameter: Total Suspended Solids	8/18/2014 FC rec'd at Test Result 2 < 0.1 Test Result 8/18/2014 8/18/2014 FC rec'd at Test Result 3/18/2014 8/18/2014 8/18/2014 8/18/2014 8/18/2014 8/18/2014 FC rec'd at Test Result 4/18/2014	13:40 10.9 deg C Units mg/L mL/L 220662 ab 11:20 13:40 10.8 deg C Units mg/L mL/L 220663 ab 11:30 13:40 10.6 deg C Units mg/L	Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected I Sample Received I Test Method SM20 2540 D SM20 2540F Sample Collected Sample Received I Test Method SM20 2540 D	by: Kard Test Date 8/19/2014 8/19/2014 8/18/2014 By: Ralp by: Kard Test Date 8/19/2014 8/18/2014 8/18/2014 By: Ralp by: Kard Test Date 8/18/2014 By: Ralp by: Kard Test Date 8/18/2014 By: Ralp by: Kard Fast Date 8/19/2014	Dina Test Time 13:50 Dh Swenson Dina Test Time 13:50 Dh Swenson Dina Test Time	Tech** SW SW Tech** SW SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine	ers Office					
Attn: Alan Adin						
420 Broadway						
Kingston	NY	12401		PC) #	
Order ID: 123649 San	ple Number:	220664				
Sample Location:	Site #5, gra	ab				
Date/Time sample collected:	8/18/2014	11:36	Sample Collected	BV: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received	by: Kard	olina	
Sample Comment:	FC rec'd at	10.8 deg C	•	•		
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	4	l mg/L	SM20 2540 D	8/19/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/18/2014	13:50	SW
Order ID: 123649 San	ple Number:	220665				
Sample Location:	Site #6, gra	ab				
Date/Time sample collected:	8/18/2014	11:25	Sample Collected	i By: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received	by: Kard	olina	
Sample Comment:	FC rec'd at	9.4 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	5 mg/L	SM20 2540 D	8/19/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/18/2014	13:50	SW
Order ID: 123649 San	ple Number:	220666				
Sample Location:	Site #7, gra	b				
Date/Time sample collected:	8/18/2014	12:15	Sample Collected	I By: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received	by: Karc	olina	
Sample Comment:	FC rec'd at	8.9 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	2	2 mg/L	SM20 2540 D	8/19/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/18/2014	13:50	SW
Order ID: 123649 San	ple Number:	220667				
Sample Location:	Duplicate, S	Site 4, grab				
Date/Time sample collected:	8/18/2014	11:30	Sample Collected	I By: Ralp	h Swenson	
Date/Time samples received	8/18/2014	13:40	Sample Received	by: Kard	olina	
Sample Comment:	FC rec'd at	9.8 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Total Suspended Solids	5	i mg/L	SM20 2540 D	8/19/2014		SW
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/18/2014	13:50	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston NY

Y 12401

PO #

Results Comment:

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

29-Aug-14 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

Total number of pages in this report, including chain of custody, is

SMITH LABORATORY 4 Scenic Drive Hyde Park, NY 12538-1313 Phone: 845-279-6536 RIJCH (Rush	: Standar		CHA	INC	OF CUS	TODY Copy result	ts to		Login Re Amt Due Amt Paic	eview: e: d: hod :		
Client Name:CITY OF KINGSTON	yncsicu.		Client	Phone]	No: _845-	334-3968		Project/Fi	acility Name: _RON	NDOUT	CREE!	ŕ
Mailing Address: 420 BROADWAY			Client	Email:	aadin@]	kingston-ny	.gov		Location: <i>、</i> しの	FACE		
KINGSTON, NY 12401			Copy F	Report	fo: _RALF	H SWENS	NO	PWS Fed	ID No: NY-			
LAB USE ONLY CLIENT: COMPLE	TE THE	AMPL	E INF	ORMA	TION IN	THE SPAC	CE PRO	OVIDED BELOW		LAB	USE 0	NLY
Order ID No: 12 21/1 / 10 Sample Identification &		(Ch	eck On	e)	Treatment	Date/Time		Analysis	Container &	Iced	Sample	Pres.
Sample No:	Matrix	Grab	Comp # hrs	First Draw	Type & Residual	Sampled		Requested	Preservative	S YN	Deg C	At Lab Y/N
ADOOO SITE #1	SW	×				1) CLM	SS TSS		I-ILPLAS I-I/2 L PLAS	*	Sil /	>
AAA MONSTE #2	SW	×				CI:II	SS TSS		1-1LPLAS 1-1/2 L PLAS	4	10	10
AA DOC AN SITE #3	SW	×				02:11	SS TSS		I-ILPLAS I-1/2 L PLAS	×	12.8 8.2	
QU talo 3 ATTE #4	SW	×				11:30	SS TSS		1-1LPLAS 1-1/2 L PLAS	×	14.6	
SITE #5	SW	×				11:36	SS TSS		I-ILPLAS I-1/2 L PLAS	V	13.1	-
22 OBCOSSITE #6	SW	×				11: 75	SS TSS		I-ILPLAS I-1/2 L PLAS	A.	9.6	
22 Mole SITE #7	SW	×				12:15	SS TSS		1-1LPLAS 1-1/2 L PLAS	A	18:4	
DOBULIN DUPLICATE (SITA 4)	SW	×				11:30	SS TSS		I-ILPLAS I-1/2 L PLAS	X	1.3	t
220urs Blank									•			
Sampled By: (Name) RALIH OWENDON			(T	itle)	YB	CINER	P	I hereby affirm that the	information above is tru	e and cor	nplete to t	ie best of
Sample Relinquished By: Werk Daren			Received	եց առշախյ IBy:			Lauviauv	IJ.	Date: 815	++	Time:	holoh
Sample Relinquished By:			Received	l at Lab E	y Kin	alon .	1		Date SUS	5	Time:	240
Sample(s) received met the following requirements Thermal Preservation: NA Yes No				Comme	nts:	d						
Chemical Preservation NA Yes No												
Other	4. 			smith Lat	oratory Chai	n of Custody F	tev. 4, 2/1	14 Data R	teview: Mgr		Date	P)
										-		

DRY MEATHER.

- 1

Attach nt 1 - Sampling Event Summary Sheet

	4-1	а а	Date:	S-2614 Page of
Initials:	ATH	11/5 Detecad to	-	
Sampling Team:	A Holm of Windly	e II J. VOORSZELIW		14 14
Weather:	clear- soz	1	_Temperature:	
Direction of Flow:	incoming fill i	nestering	- low that 2	:57P
	l	Ti-I-I Decemeter	Physical Observations	Comments
Sampling Location	Time	Field Parameter	Physical Observations	TIDE: WI coming wester by,
SITE #1: MID-RONDOUT	LATINDE: 41 906	DO	Grease NONL	APPROX. 15 YDS WESTERLY OF FEENEY DRY
UPSTREAM OF WILBUR	LONGITUDE: 74,04	temperature	FloatablesNOVE	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTFALL	11:110 A		Odors NONE	FEEVEY AND ACTORING OUT
SITE # Z: MID-RONCOUT	LAT: 4/912	DO	Grease NONE	50 YDS SOUTHERLY OF ISLAND DOCK
CREEK - UPSTREAM	LONG: \$3,992	tomporature	Floatables NOWE	CAUSEWAY CULVERTS
of block paper	1	temperature	Odors NOWE	
	11.2.8A		Alter I	TIDE: Incoming westering
SITE #3: MID-	CA1: 41.913	DO	Grease NOAP	25 YDS SOUTHERLY OF OLD STEEL
APPROX, 150 YDS	LONG: 73 707	temperature	Floatables MONE	BOILER PRUIEVUING FLOW CONTRACT
UPSTREAM OF OLD	11:37A.		Odors NOME .	
SITE #6: MID-	LAT: 41.915	DO	Grease NUME	TIDE: INCOMENTY OF CLEARWATER
RONDOUT CREEK	LONG: 73981	temperature	Floatables NONE	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER NEW DRIDGE	- 11:42 A		Odors NONE	
	1 AT. 41.913	22	Grassa NONE	TIDE: MCOMING WESTERLY WASE
RONDOUT CREEK	1 146, 73,479	00	Chedado NDMG	50 YDS SOUTHOADY OF PATIO
APPROX. 200 YDS	LON B.	temperature	Floatables	Res Invience Comme
NEW BRIDGE	1:45A		Odors NOWE	
SITE #5: MID-	LAT: 41922	DO	Grease NOWE	57 YOS SOUTHERLY OF GAS LINE
RONDONT CREEK UPSTREAM OF BLOCK	LONG: 73.964	temperature	Floatables MIA mal	CROSSING WARNING SIGN
PARK	11:574		Odors NONE	vegetective ale WIS
SITE # 7: MID-	LAT: 41.885	DO	Grease NOWE	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
RONDAUT CREEK APPROX 3/1 MILE UPSTREAM OF	LON 6: 74.030	temperature	Floatables min, mail	END BOAT LAUNCH
EDDYVILLE DAM AT	12:288		Odors # NONE	vegetative certiis
MISDEC BOAR DIVINCH	LAT: Same Mar	DO	Grease NONE	SITE #5'
DUPLICATE	LONG: DITE)	temperature	Floatables NONE	
	1:57A	territe an entry	Odors NOANE	

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order II	D:	123905				
Sample	Number:	221164				
Sample Location:		Site #1, grab				
Sample Comment:		FC rec'd at 4	.4 deg C.			
Date/Tin	ne sample collected:	8/26/2014	11:16	Collected By:	Alan Adin	
Date/Tin	ne sample received:	8/26/2014	14:30	Received by:	Amy Jo	
Date/Tin	ne sample analyzed:	8/26/2014	17:00	Tech:	SS	
Parame	ter	Te	st Result*	Units	Test Method	
Fecal Co	oliform		30	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin	eers Office			
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	123905			
Sample	Number:	221165			
Sample Location:		Site #2, grab			
Sample Comment:		FC rec'd at 5.	1 deg C.		
Date/Tir	me sample collected:	8/26/2014	11:28	Collected By:	Alan Adin
Date/Tir	me sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tir	me sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		40	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order I	D:	123905			
Sample	Number:	221166			
Sample Location:		Site #3, grab			
Sample Comment:		FC rec'd at 5.	9 deg C.		
Date/Tir	ne sample collected:	8/26/2014	11:37	Collected By:	Alan Adin
Date/Tir	ne sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tir	ne sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		20	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14
ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	Project Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	123905			
Sample	Number:	221167			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 7.	.5 deg C.		
Date/Tin	ne sample collected:	8/26/2014	11:48	Collected By:	Alan Adin
Date/Tin	me sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tir	ne sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client F	Project Name:	Rondout Cre	ek	 		
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order II	D:	123905				
Sample	Number:	221168				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 8.	.8 deg C.			
Date/Ti	me sample collected:	8/26/2014	11:57	Collected By:	Alan Ad	din
Date/Ti	me sample received:	8/26/2014	14:30	Received by:	Amy Jo)
Date/Ti	me sample analyzed:	8/26/2014	17:00	Tech:	SS	
Parame	ter	Tes	st Result*	Units		Test Method
Fecal C	oliform		70	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	420 Broadway				
	Kingston	NY	12401	PC	D #
Client P	Project Name:	Rondout Cre	ek		
Sample Type:		Surface Wate	er		
Order c	omment:				
Order II	D:	123905			
Sample	Number:	221169			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 6.	7 deg C.		
Date/Tir	ne sample collected:	8/26/2014	11:43	Collected By:	Alan Adin
Date/Tir	ne sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tir	ne sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		70	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	eers Office			
	420 Broadway				
	Kingston	NY	12401	P	D #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wa	ter		
Order co	omment:				
Order ID):	123905			
Sample	Number:	221170			
Sample	Location:	Site #7, grat)		
Sample	Comment:	FC rec'd at 1	0.7 deg C.		
Date/Tin	ne sample collected:	8/26/2014	12:28	Collected By:	Alan Adin
Date/Tin	ne sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Te	est Result*	Units	Test Method
Fecal Co	oliform		< 10	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	Project Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order c	omment:				
Order I	D:	123905			
Sample	Number:	221171			
Sample	Location:	Duplicate, gr	ab		
Sample	Comment:	FC rec'd at 6	.8 deg C.		
Date/Tir	ne sample collected:	8/26/2014	11:57	Collected By:	Alan Adin
Date/Tir	me sample received:	8/26/2014	14:30	Received by:	Amy Jo
Date/Tir	me sample analyzed:	8/26/2014	17:00	Tech:	SS
Parame	ter	Те	st Result*	Units	Test Method
Fecal Coliform			60	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin	eers Office						
	420 Broadway							
	Kingston	NY	12401	PC	D #			
Client F	Project Name:	Rondout Cre	ek					
Sample	Туре:	Water						
Order c	omment:							
Order II	D:	123905						
Sample	Number:	221172						
Sample	Location:	Blank-QC						
Sample	Comment:	100 mL buffe	ered rinse wate used.					
Date/Tir	me sample collected:	8/26/2014	17:00	Collected By:				
Date/Tir	me sample received:	8/26/2014	17:00	Received by:	Amy Jo			
Date/Tir	me sample analyzed:	8/26/2014	17:00	Tech:	SS			
Parame	ter	Те	st Result*	Units		Test Method		
Fecal Co	oliform		< 1	CFU/100m	SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: **VRI Environmental PO Box 943** Millbrook PO # NY 12545 **Client Project Name:** Vandenburg Cove South Wastewater Sample Type: Order comment: 123920 Order ID: 221209 Sample Number: Sample Location: Final/TCl2=1.2 ppm FC rec'd at 21.3 deg C. Sample Comment: Date/Time sample collected: 8/26/2014 Collected By: CQ 14:25 Date/Time sample received: 8/26/2014 15:10 Received by: Amy Jo Date/Time sample analyzed: 8/26/2014 17:00 Tech: SS Parameter **Test Result*** Units **Test Method** < 20 CFU/100mL SM 18 9222D **Fecal Coliform**

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

28-Aug-14

SMITH LABORATORY ENVIRONMENTAL TESTING

4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Attn: Alan Adin	Engineers Office		
420 Broadway Kingston	NY 12401		PO #
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek		
Order ID: 123905 Sample Location: Date/Time sample collect Date/Time samples recein Sample Comment:	Sample Number: 221164 Site #1, grab ted: 8/26/2014 11:16 ved 8/26/2014 14:30 FC rec'd at 4.4 deg C.	Sample Collected By: Sample Received by:	Alan Adin Amy Jo
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 2 mg/L	Test Method Test I SM20 2540F 8/26/20 SM20 2540 D 8/27/20	Date Test Time Tech** 014 16:40 LAE 014 SW
Order ID: 123905 Sample Location: Date/Time sample collec Date/Time samples recei Sample Comment: Parameter: Solids, Settleable Total Suspended Solids	Sample Number: 221165 Site #2, grab ted: 8/26/2014 11:28 ved 8/26/2014 14:30 FC rec'd at 5.1 deg C. Test Result Units < 0.1	Sample Collected By: Sample Received by: Test Method Test SM20 2540F 8/26/2 SM20 2540 D 8/27/2	Alan Adin Amy Jo Date Test Time Tech** 014 16:40 LAE 014 SW
Order ID: 123905 Sample Location: Date/Time sample collec Date/Time samples recei Sample Comment: Parameter: Solids, Settleable Total Suspended Solids	Sample Number: 221166 Site #3, grab site #3, grab ted: 8/26/2014 11:37 ved 8/26/2014 14:30 FC rec'd at 5.9 deg C. Test Result Units < 0.1	Sample Collected By: Sample Received by: Test Method Test SM20 2540F 8/26/2 SM20 2540 D 8/27/2	Alan Adin Amy Jo Date Test Time Tech** 014 16:40 LAE 014 SW
Order ID: 123905 Sample Location: Date/Time sample collect Date/Time samples receins Sample Comment: Parameter:	Sample Number: 221167 Site #4, grab ited: 8/26/2014 11:48 ived 8/26/2014 14:30 FC rec'd at 7.5 deg C. Test Result Units	Sample Collected By: Sample Received by: Test Method Test	Alan Adin Amy Jo Date Test Time Tech**
Total Suspended Solids	4 mg/L	SM20 2540 D 8/27/2	014 SW

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston I Attn: Alan Adin	Engineers Office							
420 Broadway Kingston	NY	12401			PO #			
Order ID: 123905	Sample Number:	221168						
Sample Location:	Site #5, gral	b						
Date/Time sample collect	ed: 8/26/2014	Alan Ad	lin					
Date/Time samples receiv	ved 8/26/2014	14:30	Sample Received	by: /	Amy Jo			
Sample Comment:	FC rec'd at	8.8 deg C.						
Parameter:	Test Result	Units	Test Method	Test D	ate Te	st Time	Tech**	
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/26/20	14	16:40	LAE	
Total Suspended Solids	11	mg/L	SM20 2540 D	8/27/20	14		SW	
Order ID: 123905	Sample Number:	221169						
Sample Location:	Site #6, gra	b						
Date/Time sample collect	ed: 8/26/2014	11:43	Sample Collected	By:	Alan Ac	lin		
Date/Time samples receiv	ved 8/26/2014	14:30	Sample Received	by:	Amy Jo			
Sample Comment:	FC rec'd at	6.7 deg C.						
Parameter:	Test Result	Units	Test Method	Test D	ate Te	st Time	Tech**	
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/26/20	14	16:40	LAE	
Total Suspended Solids	4	mg/L	SM20 2540 D	8/27/20	14		SW	
Order ID: 123905	Sample Number:	221170						
Sample Location:	Site #7, gra	b						
Date/Time sample collect	ted: 8/26/2014	12:28	Sample Collected	Die Collected By: Alan Adin				
Date/Time samples recei	ved 8/26/2014	14:30	Sample Received	by:	Amy Jo	1		
Sample Comment:	FC rec'd at	10.7 deg C.						
Parameter:	Test Result	Units	Test Method	Test D	ate Te	est Time	Tech**	
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/26/20	14	16:40	LAE	
Total Suspended Solids	2	mg/L	SM20 2540 D	8/27/20	14		SW	
Order ID: 123905	Sample Number:	221171						
Sample Location:	Duplicate, g	rab						
Date/Time sample collec	ted: 8/26/2014	11:57	Sample Collected	By:	Alan Ad	din		
Date/Time samples recei	ved 8/26/2014	14:30	Sample Received	by:	Amy Jo)		
Sample Comment:	FC rec'd at	6.8 deg C.						
Parameter:	Test Result	Units	Test Method	Test D	ate Te	est Time	Tech**	
Solids, Settleable	< 0.1	mL/L	SM20 2540F	8/26/20	14	16:40	LAE	
Total Suspended Solids	7	mg/L	SM20 2540 D	8/27/20	14		SW	

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston I	Engineers Office							
	420 Broadway Kingston	NY	12401			PC) #		
Order ID	: 123905	Sample Number:	221172						
Sample	Location:	Blank-QC							
Date/Tim	ne sample collect	ted: 8/26/2014	17:00	Sample Collected	By:				
Date/Tim	ne samples receiv	ved 8/26/2014	17:00	Sample Received	Amy Jo				
Sample	Comment:	100 mL buffered rinse water used.							
Paramet	er:	Test Result	Units	Test Method	Test	Date	Test Time	Tech**	
Solids, S	ettleable	< 0.1	mL/L	SM20 2540F	8/26/2	014	16:40	LAE	
Total Su	spended Solids	< 1	mg/L	SM20 2540 D	8/27/2	014		SW	
Results	Comment:								
	fl	no		_					

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

17-Sep-14

Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

Total number of pages in this report, including chain of custody, is $\underline{1}$

一日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日	Sample Relinquished By:	Sample Relinquished By: ALAW	Sampled By: (Name) ACAN M my knowledge. I also affirm that I am re		THTI DUPLICATE	/(70 SITE #7	NG SITE #6	11.69 SITE #5	1167 SITE #4	Villale SITE #3	ILCAL SITE #2	27/1644/A SITE #1	Order ID No: 3705 Sample Id Sample No:	LAB USE ONLY CI	KINGSTON,	Mailing Address: 420 BROADV	Client Name:CITY OF KING	4 scenic Litve Hyde Park, NY 12538-1313 Phone: 845-229-6536 Fax: 845-229-6538	SMITH LABORATORY
quirements		ADIN	sponsible for payment, unles										entification & N	JENT: COMPLETE	NY 12401	VAY	STON	Turnaround Time: \$ <i>RUSH</i> (<i>Rush su</i> ** Date report reque	
	a set		s other pay		SW	SW	SW	SW	SW	SW	SW	WS	Aatrix	THE S				Standard rcharge ested:	
	R	R	ment arra		×	×	x	×	×	×	×	×	(Chec	AMPLE	0	0	0	applies)	
	leceived at	eceived B	ngements a	-	-								mp Find Find Find Find Find Find Find Find	INFOR	opy Rep	lient Em	lient Pho		HAI
omments:	Lab By:		re approved in ad	· · ·									Treatment st Type & w Residual	MATION IN	ort To: _RAL	ail:aadin@	one No: _845-		VOFCUS
	All L	b	vance by Smith		MES M	12:28 P	11:43A	11:57A	11:484	11:37A	11:284	11:16A	Date/Time Sampled S-2614	THE SPAC	PH SWENSC	kingston-ny.	-334-3968	Copy results Local Health Yes N	STODY
			Laboratory.	3	TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	SS TSS	Analysis Requested	E PROVIDED BELOW	DN PWS Fe	gov	Project/F	n Dept. Io 🗸	
	Date:	Date:			I-ILPLAS	1-1/2 L PLAS	1-1/2 L PLAS	1-1LPLAS 1-1/2 L PLAS	1-1LPLAS 1-1/2 L PLAS	I-ILPLAS I-1/2 L PLAS	I-ILPLAS I-1/2 L PLAS	I-ILPLAS I-I/2 L PLAS	Container & Preservative		d ID No: NY-	Location:	facility Name: _RON	Amt Pai Pmt Met Receipt	Login Re Amt Due
	1. M	26/14			ł							1	Iced Y/N	LAB			NDOUT	hod : No:	eview: e:
	1 line	Time:		malete to t	100	ic. Wil	1500/82	814	5×20	19.94	20:4.0	and a	Sample Temp, Deg C	USE O			CREEK		P
	142	F		he heat o	ł	F	-					5	Pres. at Lab Y/N	VLY			ſ		

Attach nt 1 - Sampling Event Summary Sheet

DRY	MEA	THE	C
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÷.	Initials:	Ras	<i>i</i>	_ Date:	<u>9-5-14</u> Page of			
	Sampling Team: 2	ALOH DUGNSON	Rety SCHOLOFFEL					
	Weather:	CLOUR / SUNWY	1 80°F	Temperature:				
	Direction of Flow:	EASTBLY	2					
	Sampling Location	Time	Field Parameter	Physical Observations	Comments			
	SITE #1: MID-RONDOUT	LATITOE: 41.906	DO 12.5	Grease NON 2	TIDE: DUTGOIDG			
	UPSTREAM OF WILBUR	LONGITUDE: - 74.004	temperature 21.7°c	Floatables LICHY	DOCK AT PROPERTY BOUNDARY BETWEEN			
	AVE. OUTFILL	,		Odors NONS	FEENEY AND RECYCLING BUSINESS			
	SITE # 2: MID-RONCOUT	LAT: 41,912	DO /2.1	Grease NOUE	TIDE: OUTSCHOC			
	OF BLOCK PARK	LONG: -73,977	temperature 26.7°C	Floatables NO Je	CAUSEWAY CULVERTS			
				Odors NONE	12: 18Pm			
	SITE #3: MID-	LAT: 21,9:5	DO U.I	Grease North	TIDE: OUT COIPE			
	APPROX, 150 YDS	LONG: -73.984	temperature 16.6 C	Floatables Non de	BOILER PROTRUDING FROM WATER NEAR			
	BRIDGE			Odors No. N.Z.	ISLAND DOCK BULKHEAD			
	SITE #6; MID-	LAT: Misgio	DO 10,4	Grease NONE	TIDE: OUT COLLE			
	UNDER NEW BRIDGE	LONG: -73.951	temperature 25.8 c	Floatables LICHT	MAINTENANCE SHED, DOUBLE SLIDE DOORS			
		2		Odors NONE	12:30 Pm			
	SITE #4; MID-	LAT: 41.7+3	DO /0.8	Grease DONE	TIDE DUTERING OF STEELHOUSE			
	APPROX. 200 YDS	LON 6: 73, 479	temperature 26.2 -	ع در دور Floatables	RESTAURANT CONFRED PATIC			
	NEW BRIDGE			Odors NONK	12:33 Pm			
	SITE #5: MID-	LAT: 41,922	DO 9.7	Grease Non &	TIDE: 20760.00			
	VPSTREAM OF BLOCK	LONG: 23,769	temperature 26.3 2	Floatables Alan	CROSSING WARNING SIGN			
	PARK			Odors NONS	12: COM			
	SITE # 7: MID-	LAT: 41, 800	DO 9.3	Grease NONE	FLOW: ALWAYS EASTERLY (DOWN STREAM) - LOCATION			
	3/4 MILE UPSTREAM OF	LON 6: "74.0 %	temperature11,9 e	Floatables Nonte	END BOAT LAVNCH			
	NYSDEL BOAT LAUNCH		× •	Odors NONE	1:15 PM			
		LAT:	DO 10.1 .	Grease Nové	SITK 6			
	DUPLICATE	LONG:	temperature 15.8 <	Floatables LICHY	DI. T. F			
NAXA NAME	AND MARKED AND AND AND AND AND AND AND AND AND AN	DITOF 4		Odors NONE	12:30 PM			

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office	fice				
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Twaalfskill B	Brook				
Sample	Туре:	Surface Wat	ter				
Order c	omment:						
Order I	D:	124225					
Sample	Number:	221790					
Sample	Location:	SP4					
Sample	Comment:	Rec'd at 9.4 deg C					
Date/Tin	ne sample collected:	9/5/2014	13:33	Collected By:	Alan Adin		
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina		
Date/Tir	ne sample analyzed:	9/5/2014	17:15	Tech:	SS		
Parame	ter	Te	est Result*	Units	Test Method		
Fecal Co	oliform		1,900	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

11-Sep-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office	ce				
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Rondout Cre	ek				
Sample	Туре:	Surface Wat	ter				
Order co	omment:						
Order ID):	124223					
Sample	Number:	221776			×.,		
Sample	Location:	Site #1, grab					
Sample	Comment:	FC rec'd at 11.4 deg C					
Date/Tin	ne sample collected:	9/5/2014	12:07	Collected By:	Ralph Swenson		
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina		
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS		
Paramet	er	Те	st Result*	Units	Test Method		
Fecal Co	liform		30	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order co	omment:				
Order ID):	124223			
Sample	Number:	221777			
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 11.4 deg C			
Date/Tin	ne sample collected:	9/5/2014	12:18	Collected By:	Ralph Swenson
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS
Paramet	ter	Te	st Result*	Units	Test Method
Fecal Co	bliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office	12401	PC	\ #
	Kingston	NT.	12401	FC	J #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	ter		
Order co	omment:				
Order ID):	124223			
Sample	Number:	221778			
Sample	Location:	Site #3, grab)		
Sample	Comment:	FC rec'd at 6.1 deg C			
Date/Tim	ne sample collected:	9/5/2014	12:24	Collected By:	Ralph Swenson
Date/Tim	ne sample received:	9/5/2014	15:20	Received by:	Karolina
Date/Tim	ne sample analyzed:	9/5/2014	17:15	Tech:	SS
Paramet	er	Te	est Result*	Units	Test Method
Fecal Co	liform		50	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engin Attn: Alan Adin 420 Broadway		eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	ter			
Order co	omment:					
Order ID):	124223				
Sample	Number:	221779				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 8	3.3 deg C			
Date/Tin	ne sample collected:	9/5/2014	12:33	Collected By:	Ralph Swenson	
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina	
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS	
Paramet	ter	Te	st Result*	Units	Test Method	
Fecal Co	bliform		10	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order co	omment:					
Order ID):	124223	8			
Sample	Number:	221780	-			
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 9	.7 deg C			
Date/Tin	ne sample collected:	9/5/2014	12:40	Collected By:	Ralph Swenson	
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina	
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS	
Paramet	ter	Те	st Result*	Units	Test Method	
Fecal Co	bliform		80	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC) #		
Client P	roject Name:	Rondout Cre	ek	******			
Sample	Туре:	Surface Wat	er				
Order co	omment:						
Order ID):	124223					
Sample	Number:	221781					
Sample	Location:	Site #6, grab					
Sample	Comment:	FC rec'd at 1	0.9 deg C				
Date/Tim	ne sample collected:	9/5/2014	12:30	Collected By:	Ralph Swenson		
Date/Tim	ne sample received:	9/5/2014	15:20	Received by:	Karolina		
Date/Tim	ne sample analyzed:	9/5/2014	17:15	Tech:	SS		
Paramet	er	Те	st Result*	Units	Test Method		
Fecal Co	liform		10	CFU/100m	L SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	Project Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wat	er			
Order c	omment:					
Order II	D:	124223				
Sample	Number:	221782				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 1	0.6 deg C			
Date/Tir	ne sample collected:	9/5/2014	13:15	Collected By:	Ralph Swenson	
Date/Tir	me sample received:	9/5/2014	15:20	Received by:	Karolina	
Date/Tir	me sample analyzed:	9/5/2014	17:15	Tech:	SS	
Parame	ter	Те	st Result*	Units	Test Method	
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order co	omment:					
Order ID):	124223				
Sample	Number:	221783				
Sample	Location:	Duplicate Site	e #6, grab			
Sample	Comment:	FC rec'd at 9.6 deg C				
Date/Tin	ne sample collected:	9/5/2014	12:30	Collected By:	Ralph Swenson	
Date/Tin	ne sample received:	9/5/2014	15:20	Received by:	Karolina	
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS	
Paramet	ter	Te	st Result*	Units	Test Method	
Fecal Co	bliform		50	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

09-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PC	D #		
Client P	roject Name:	Rondout Cr	eek				
Sample	Туре:	Water					
Order c	omment:						
Order ID	D:	124223					
Sample	Number:	221784					
Sample	Location:	Blank-QC					
Sample	Comment:	100 mL of b	ouffered rinse water used.				
Date/Tin	ne sample collected:	9/5/2014	17:15	Collected By:			
Date/Tin	ne sample received:	9/5/2014	17:15	Received by:	Karolina	a	
Date/Tin	ne sample analyzed:	9/5/2014	17:15	Tech:	SS		
Parame	ter	т	est Result*	Units		Test Method	
Fecal Co	oliform		< 1	CFU/100m	iL	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lat Manager, ELAP Lab ID #10924

09-Sep-14

Initials:	(A)		- Date:	9,914 Page	
Sampling Team:	A.A.in / Ray	schefte]	- Temperature:	ton 703	
Weather: Direction of Flow:	in wester b.		- AIGH TIDI	= 2:13 Pm.	
Lesstion	Time	Field Parameter	Physical Observations	Comments	
SITE #1: WID-RONDUT	LATINOE: ALGOD	n 8.7 m//	Grease NONE	TIDE: M WESTERIN OF FLEAR	
CREEK APPROX. 250 YOS	LONGITUDE: 74 004	Low of 1 76 7.C	Floatables NCAF2	DOCK AT PROPERTY BOUNDARY BETWEE	
AVE. OUTFALL	11-65 1	temperature	Odors NERE	FEENEY AND RECYCLING BUSINESS	
	1:46 A	an inter	Come ALOME	TIDE: In wester y	
SITE # Z: MID-ROMANT	LAT: 41912	DO 9.2 912	Grease , None	50 YDS SOUTHERLY . ISLUE.	
OF BLOCK PARK	13770	temperature 24.0 C	Floatables	CHUSEUU	
	11 55A		Odors /00/00	TIDE: in westering	
SITE #3: MID-	LAT: 41915	DO 8.6 mg/2	Grease NONE	25 YDS SOUTHERLY OF OLD STE	
APPROX, 150 YDS	LONG: 75.484	temperature 2440	Floatables NO2012	BOILER PROTRUOTING FROM WATER	
UPSTREAM OF OLD	12.02P		Odors NONE		
BRIDGE	LAT: 41.914	DO 8.1 mg/2	Grease None	TIDE: IN WESTERLY OF CLEARWAY	
RONDONT CREEK	LONG: 73.952	2412	Elostables WORLE	MAINTENANCE SHED, DOUBLE SLIDE	
UNDER NEW BRIDGE	- 12:00.0	temperature // 141	Odors NOWE		
	IL CTP.	2.2 mm /	Outra I HOWE	TIDE: In westerry	
SITE #4: MID-	LAT: 41.913	DO T. T	Grease A Crock	50 YDS SOUTHERLY OF STEELING	
APPROX, 200 YDS	LONG	temperature 14.2 C	Floatables	RESTAURANT EULDERS	
DOWNSTREAM OF NEW BRIDGE	12100		Odors NUNE.	in wester by	
SITE #5: MID-	LAT: 41,922	DO 7.7 mg/L	Grease NOME	50 YDS SOUTHERLY OF GAS LINE	
RONDONT CREEK	LONG: 73.969	temperature 24;2°C	Floatables 141 NOR	CROSSING WARNING SIGN	
DARK	12:180		Odors NONE	NEGETATINE DEBRIS- FLOATION	
C. TE # 7. MID -	1117, 11855	po i ing/i	Grease NONE	FLOW: ALWAYS EASTERLY (DOWN STREAM)	
RONDAUT CREEK APPRO	LONK 74,030	74 71	Electobles NONE	END BOAT LANNCH	
3/4 MILE UPSTREAM OF	7.000	temperature 27.20	Odera MAAK		
NYSDEL BOAT LAUNCH	121201		Odors /00/012		
	LAT: CINE #2	DO	Grease	- SITE #7	
DUPLICATE	LONG: SINCH +	temperature	Floatables		
STATISTICS, STREET, STREET, ST.	ē		Odors		

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office					
	420 Broadway Kingston	NY 12401		PO #			
	No. 1 4 Norman	Rondout Cree					
Client F		Surface Wate	5K 9 r				
Sample Order o	comment.						
Order I	D:	124289					
		221014		And the second	()		
Sample	Number:	221914 Site #1_grob					
Sample	Location:	Site #1, glab	3 deg (,		
Sample	Comment:		11.42	Collected By:	Alan Adin		
Date/Ti	me sample collected:	9/9/2014	11.42	Bossived by:	Karolina		
Date/Ti	me sample received:	9/9/2014	14:30	Received by.			
Date/Ti	me sample analyzed:	9/9/2014	17:00	Tecn;	55		
Paramo	eter	Те	st Result*	Units	Test Method		
Fecal C	Coliform		70	CFU/100m	nL SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	ers Office				
	420 Broadway Kingston	NY	12401	PO	#	
		Dandaut Cro				
Client F	Project Name:	Surface Wate				
Sample	Type:	Sunace wat	51			
Order c	iomment:	124289				
Order	D:	124200				
Sample	Number:	221915				
Sample	Location:	Site #2, grab				
Sample	Comment:	FC rec'd at 6	.4 deg C			
Date/Ti	me sample collected:	9/9/2014	11:55	Collected By:	Alan A	Adin
Date/Ti	me sample received:	9/9/2014	14:30	Received by:	Karoli	na
Date/Ti	me sample analyzed:	9/9/2014	17:00	Tech:	SS	_
Parame	eter	Te	st Result*	Units		Test Method
Fecal C	Coliform		20	CFU/100m	nL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401	PO	#	
Client F Sample Order c	Project Name: • Type: :comment: D:	Rondout Cre Surface Wate 124289	ek er			
Sample	• Number:	221916 Site #3. grab				
Sample	Elocation:	FC rec'd at 1	0.3 deg C			
Date/Ti Date/Ti Date/Ti	me sample collected: me sample received: ime sample analyzed:	9/9/2014 9/9/2014 9/9/2014	12:02 14:30 17:00	Collected By: Received by: Tech:	Alan Adin Karolina SS	
Parame Fecal C	eter Coliform	Τe	est Result* 30	Units CFU/100n	Ti nL S	est Method M 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401	РО	#
Client F Sample	Project Name: Type:	Rondout Cree Surface Wate	ek er		
Order c Order II	omment: D:	124289			
Sample	Number:	221917			
Sample	Location:	Site #4, grab			
Sample	e Comment:	FC rec'd at 1	0.7 deg C		
Date/Ti	me sample collected:	9/9/2014	12:10	Collected By:	Alan Adın
Date/Ti	me sample received:	9/9/2014	14:30	Received by:	Karolina
Date/Ti	me sample analyzed:	9/9/2014	17:00	Tech:	SS
Param	eter	Te	st Result*	Units	Test Method
Fecal C	Coliform		40	CFU/100m	1L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401	PO #	
Client F	Project Name:	Rondout Cree	ek		
Sample	Type:	Surface Wate	er		
Order o	comment:				
Order I	D:	124289			
Sample	• Number:	221918			
Sample	• Location:	Site #5, grab			
Sample	e Comment:	FC rec'd at 8	.3 deg C		A alla
Date/Ti	me sample collected:	9/9/2014	12:18	Collected By: Al	an Adin
Date/Ti	ime sample received:	9/9/2014	14:30	Received by: Ka	arolina
Date/Ti	ime sample analyzed:	9/9/2014	17:00	Tech: S	5
Param	eter	Te	st Result*	Units	Test Method
Fecal C	Coliform		40	CFU/100mL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office			
	420 Broadway Kingston	NY	12401	PO	#
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er -		
Order o	comment:				
Order I	D:	124289			
Sample	» Number:	221919			
Sample	- Location:	Site #6, grab			
Sample	e Comment:	FC rec'd at 9	3 deg C		
Date/Ti	me sample collected:	9/9/2014	12:07	Collected By:	Alan Adin
Date/Ti	me sample received:	9/9/2014	14:30	Received by:	Karolina
Date/Ti	ime sample analyzed:	9/9/2014	17:00	Tech:	SS
Param	eter	Те	st Result*	Units	Test Method
Fecal C	Coliform		10	CFU/100m	nL SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Cllent:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office		PO	*
	Kingston	NY	12401	FU	T
Client F	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	124289			
Sample	Number:	221920			
Sample	Eccation:	Site #7, grab			
Sample	e Comment:	FC rec'd at 1	5.1 deg C		
Date/TI	me sample collected:	9/9/2014	12:50	Collected By:	Alan Adin
Date/Ti	me sample received:	9/9/2014	14:30	Received by:	Karolina
Date/Ti	me sample analyzed:	9/9/2014	17:00	Tech	SS
Parame	eter	Te	st Result*	Units	Test Method
Fecal C	Coliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY a 1	2401	PO	#	
Client F Sample	Project Name: • Type:	Rondout Cree Surface Wate	k r			
Order c Order II	comment: D:	124289				
Sample	e Number:	221921 Duplicate, Sit	e #7, grab			
Sample	e Comment:	FC rec'd at 1	5.8 deg C			47
Date/Ti Date/Ti Date/Ti	ime sample collected: ime sample received: ime sample analyzed:	9/9/2014 9/9/2014 9/9/2014	12:50 14:30 17:00	Collected By: Received by: Tech:	Alan A Karolin SS	an
Param Fecal (eter Coliform	Te	st Result* < 10	Units CFU/100m	۱L	Test Method SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units,

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	ers Office NY	12401	PO	#	
Client F	Project Name:	Rondout Cr	eek			
Sample	Туре:	Water				
Order c	omment:					
Order II	D:	124289				
Sample	Number:	221922				
Sample	Location:	Blank QC				
Sample	Comment:	100 mL bu	ffered rinse water used			
Date/Ti	me sample collected:	9/9/2014	17:00	Collected By:		
Date/Ti	me sample received:	9/9/2014	17:00	Received by:	Karolina	9
Date/Ti	me sample analyzed:	9/9/2014	17:00	Tech:	SS	
Parame	eter		Test Result*	Units		Test Method
Fecal C	Coliform		< 1	CFU/100m	ηL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

13-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

	ers Office					
Attn: Alan Adın						
420 Broadway						
Kingston	NY	12401		PC)#	
Sample Type:	Surface W	ater				
Client Project Name:	Rondout C	reek				
Order comment:						
Order ID: 124289 Sam	ple Number:	221914				
Sample Location:	Site #1, gra	ab				
Date/Time sample collected:	9/9/2014	11:42	Sample Collected	By: Alan	Adin	
Date/Time samples received:	9/9/2014	14:30	Sample Received	by: Karo	olina	
Sample Comment:	FC rec'd at	t 8.3 deg C				
Parameter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, Settleable	< 0.1	1 mL/L	SM20 2540F	9/9/2014	15:10	SW
Total Suspended Solids	2	2 mg/L	SM20 2540 D	9/10/2014		SW
Order ID: 124289 Sam	ple Number:	221915				
Sample Location:	Site #2, gra	ab				
Date/Time sample collected:	9/9/2014	11:55	Sample Collected	By: Alan	Adin	
Date/Time samples received:	9/9/2014	14:30	Sample Received	by: Kard	olina	
Bate finte bampies recorred.						
Sample Comment:	FC rec'd at	t 6.4 deg C	·			
Sample Comment: Parameter:	FC rec'd at Test Result	t 6.4 deg C Units	Test Method	Test Date	Test Time	Tech**
Sample Comment: Parameter: Solids, Settleable	FC rec'd at Test Result < 0.1	t 6.4 deg C Units 1 mL/L	Test Method SM20 2540F	Test Date 9/9/2014	Test Time 15:10	Tech** SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids	FC rec'd at Test Result < 0.*	t 6.4 deg C Units 1 mL/L 2 mg/L	Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014	Test Time 15:10	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam	FC rec'd at Test Result < 0. 2 ple Number:	t 6.4 deg C Units 1 mL/L 2 mg/L 221916	Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014	Test Time 15:10	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location:	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab	Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014	Test Time 15:10	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected:	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02	Test Method SM20 2540F SM20 2540 D Sample Collected	Test Date 9/9/2014 9/10/2014 By: Alan	Test Time 15:10	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected: Date/Time samples received:	FC rec'd at Test Result < 0.7 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received	Test Date 9/9/2014 9/10/2014 By: Alan by: Karc	Test Time 15:10 Adin Dina	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	FC rec'd at Test Result < 0. 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard	Test Time 15:10 Adin Dina	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter:	FC rec'd at Test Result < 0.7 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date	Test Time 15:10 Adin Dina Test Time	Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable	FC rec'd at Test Result < 0.7 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F	Test Date 9/9/2014 9/10/2014 By: Alan by: Karo Test Date 9/9/2014	Test Time 15:10 Adin Dina Test Time 15:10	Tech** SW SW Tech** SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids	FC rec'd af Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014 By: Alan by: Karc Test Date 9/9/2014 9/10/2014	Test Time 15:10 Adin Dina Test Time 15:10	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014 By: Alan by: Karo Test Date 9/9/2014 9/10/2014	Test Time 15:10 Adin Dina Test Time 15:10	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location:	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014	Test Time 15:10 Adin Dina Test Time 15:10	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected:	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab 12:10	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D Sample Collected	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 By: By: Alan By: Alan By: Alan	Test Time 15:10 Adin Dina Test Time 15:10	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time sample collected: Date/Time sample collected: Date/Time sample collected:	FC rec'd at Test Result < 0.1 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab 12:10 14:30	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540F SM20 2540 D Sample Collected Sample Received	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 State By: Alan by: Kard	Test Time 15:10 Adin Dina Test Time 15:10 Adin Dina	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time sample collected: Date/Time samples received: Sample Comment:	FC rec'd at Test Result < 0.' 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab 12:10 14:30 t 10.7 deg C	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 9/10/2014 By: Alan by: Kard	Test Time 15:10 Adin Dina Test Time 15:10 Adin Dina	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Parameter:	FC rec'd at Test Result < 0.7 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab 12:10 14:30 t 10.7 deg C Units	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 Kard Test Date Test Date	Test Time 15:10 Adin blina Test Time 15:10 Adin blina Test Time	Tech** SW SW Tech** SW SW
Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids Order ID: 124289 Sam Sample Location: Date/Time sample collected: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable	FC rec'd at Test Result < 0.7 2 2 2 2 2 2 2 2 2 2 2 2 2	t 6.4 deg C Units 1 mL/L 2 mg/L 221916 ab 12:02 14:30 t 10.3 deg C Units 1 mL/L 2 mg/L 221917 ab 12:10 14:30 t 10.7 deg C Units 1 mL/L	Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F SM20 2540 D Sample Collected Sample Received Test Method SM20 2540F	Test Date 9/9/2014 9/10/2014 By: Alan by: Kard Test Date 9/9/2014 9/10/2014 By: By: Alan by: Kard Test Date 9/9/2014 By: Alan by: Kard Test Date 9/9/2014	Test Time 15:10 Adin blina Test Time 15:10 Adin blina Test Time 15:10	Tech** SW SW Tech** SW SW

Page 1 of 3



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engine	ers Office			
Attn: Alan Adin				
420 Broadway				
Kingston	NY 12401		PO #	
Order ID: 124289 San	n ple Number: 22191	8		
Sample Location:	Site #5, grab			
Date/Time sample collected:	9/9/2014 12:18	Sample Collected By:	Alan Adin	
Date/Time samples received:	9/9/2014 14:30	Sample Received by:	Karolina	
Sample Comment:	FC rec'd at 8.3 deg	с		
Parameter:	Test Result Units	Test Method Tes	t Date Test Time	Tech**
Solids, Settleable	< 0.1 mL/L	SM20 2540F 9/9/3	2014 15:10	SW
Total Suspended Solids	2 mg/L	SM20 2540 D 9/10/	2014	SW
Order ID: 124289 San	nple Number: 22191	9		
Sample Location:	Site #6, grab			
Date/Time sample collected:	9/9/2014 12:07	Sample Collected By:	Alan Adin	
Date/Time samples received:	9/9/2014 14:30	Sample Received by:	Karolina	
Sample Comment:	FC rec'd at 9.3 deg	С		
Parameter:	Test Result Units	Test Method Tes	t Date Test Time	Tech**
Solids, Settleable	< 0.1 mL/L	SM20 2540F 9/9/2	2014 15:10	SW
Total Suspended Solids	2 mg/L	SM20 2540 D 9/10	2014	SW
Order ID: 124289 San	nple Number: 22192	0		
Sample Location:	Site #7, grab			
Date/Time sample collected:	9/9/2014 12:50	Sample Collected By:	Alan Adin	
Date/Time samples received:	9/9/2014 14:30	Sample Received by:	Karolina	
Sample Comment:	FC rec'd at 15.1 deg	I C		
Parameter:	Test Result Units	Test Method Tes	t Date Test Time	Tech**
Solids, Settleable	< 0.1 mL/L	SM20 2540F 9/9/	2014 15:10	SW
Total Suspended Solids	< 1 mg/L	SM20 2540 D 9/10/	/2014	SW
Order ID: 124289 San	nple Number: 22192	1		
Sample Location:	Duplicate, Site #7, g	Irab		
Date/Time sample collected:	9/9/2014 12:50	Sample Collected By:	Alan Adin	
Date/Time samples received:	9/9/2014 14:30	Sample Received by:	Karolina	
Sample Comment:	FC rec'd at 15.8 deg) C		
Parameter:	Test Result Units	Test Method Tes	t Date Test Time	Tech**
Solids, Settleable	< 0.1 mL/L	SM20 2540F 9/9/	2014 15:10	SW
Total Suspended Solids	2 mg/L	SM20 2540 D 9/10	/2014	SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engi Attn: Alan Adin 420 Broadway Kingston	neers Office NY	12401		PC) #	
Order ID	: 124289 S	ample Number:	221922				_
Sample I	Location:	Blank QC					
Date/Tim	e sample collected:	9/9/2014	17:00	Sample Collect	ed By:		
Date/Tim	e samples received:	9/9/2014	17:00	Sample Receiv	ed by: Kard	olina	
Sample	Comment:	100 mL buf	fered rinse	water used			
Paramete	er:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, Se	ettleable	< 0.1	mL/L	SM20 2540F	9/9/2014	15:10	SW
Total Sus	pended Solids	< 1	mg/L	SM20 2540 D	9/10/2014		SW
Results	Comment:		-				
	K	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

03-Oct-14 Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is _____

0	Date 1		Review: Mg	w. 4, 2/14 Data R	in of Custody Re	aboratory Chai	Smith La					Other
5	2	2					<u> </u>			0	Pe Yes No	Correct Bottle Ty
										0	ation: NA Yes No	Chemical Preserv
										0	tion: NA Yes N	Thermal Preserva
						ents:	Comm			g requirements	d met the following	Sample(s) receive
18	Time:	F	Date:	7	MAN	By: KL	Received at Lab				ed By:	Sample Relinquish
3		=	Date:			1 1	Received By:	Ŧ		AUIN	ed By: TVAV	Sample Relinquish
	Time		7			proved in adva	ngements are ap	іутепі ата	less other pa	n responsible for payment, un	also affirm that I an	my knowledge. I a
best of	nplete to the	e and con	information above is true	I hereby affirm that the	ING TEC	NG INEED	(Title) E			ADIN	IC) ALAN	Sampled By: (Nan
	_									Blank	QC	149166
Ŋ	inte	ß	1-11,PLAS 1-1/2 L PLAS	SS TSS	12:502			×	SW	SITE # 7	DUPLICATE	201021
Ľ	11-4		I-ILPLAS I-1/2 L PLAS	SS TSS	dos:21			×	SW		SITE #7	1 11100
	10		1-112PLAS 1-1/2 L PLAS	SS TSS	12:079			×	SW		SITE #6	DUNIO
	ġŗ.		1-1LPLAS 1-1/2 L PLAS	SS TSS	12:18 P		-	×	SW		SITE #5	200101
	18		1-112 L PLAS	SS TSS	901.21			×	SW		SITE #4	201017
	d'in a	00	I-ILPLAS I-1/2 L PLAS	SS TSS	920.51			×	SW		SITE #3	JUN CINA
	12:0	-{	1-1LPLAS 1-1/2 L PLAS	SS TSS	11 55A			×	SW		SITE #2	N NUNCO
Ē	2.2	E	I-ILPLAS I-1/2 L PLAS	SS TSS	H24:11			×	SW		SITE #1	JUDIAINAL
YNN YNN	Sample Temp, Deg C	YN	Container & Preservative	Analysis Requested	Date/Time Sampled 9.9.14	Treatment Type & Residual	ck One) omp First hrs Draw	(Cheo Grab Co	Matrix	e Identification & ample Point	Sample	Order ID No:
	USE ONI	LAB		PROVIDED BELOW	THE SPACE	TION IN	INFORMA	AMPLE	E THE S	CLIENT: COMPLET		LAB USE ONLY
			ID No: NY	N PWS Fed	H SWENSO	To: _RALP	Copy Report	0		N, NY 12401	KINGSTO	
			ocation:	ov L	ingston-ny.g	aadin@k	Client Email:	0	1	DWAY	s: 420 BROAI	Mailing Addres
ļ	CREEK_	DOUT	cility Name: _RON	Project/Fa	134-3968	No: _845-3	lient Phone]	0		NGSTON	_CITY OF KIN	Client Name:
L		0.	Receipt N	4	Yes No			- uppers	uested:	** Date report req	9-6538	Phone: 845-229 Fax: 845-229
		о <u>д</u> 	Prnt Meth	to Dept.	Copy results 1 Local Health				Standar	Turnaround Time:	12538-1313	Hyde Park, NY
			Amt Due:		TODX	DF CUS	CHAIN				RATORY	SMITH LABO
	d'	/iew:	Login Rev									
DRY WEATHER

Attach nt 1 - Sampling	; Event Summary Sheet			arg 14 Page of
Initialet	AA)		- Date:	<u>7.) [7.]</u> [age
Sampling Team:	A.Adia / C. SC	HEFFEL		W/ H 57 3
Woather	CLEAR 1- COOL		Temperature:	TIGT JU
Direction of Flow:	START - IN WESTE	ew.	- HIGHT	IDE 10:57A.
Direction of Frence		Field Parameter	Physical Observations	Comments
Sampling Location	Time	Field Farameter	Grasse Nove	TIDE: M- WESTERLY DE ELEVEN DESY
CREEK APPROX. 250 YOS	LATITUE: 41 YOU	DO 0.1 7070	Elostables none	APPROX. 15 YDS WESTERLY OUNDARY BETWEEN
UPSTREAM OF WILBUR	17 00 7	temperature 20, 10	Odors none	FEENEY AND RECYCLING BUSINESS
- Outfort	10.004	8241	Grease None	TIDE: M westerly of ISLAND DOCK
CREEK - UPSTREAM	LONG: 73 942	$DO = \frac{19}{2} \frac{19}{2}$	Elòatables Mare	CAUSEWAY CULVERTS
of block park	10:20 1	temperature / 1. v	Odors None	
	10.30 A	50 Samp	Grease Mare	TIDE: IN -WESTERLY OF OLD STEEL
SITE #3: MID- RONDAT CREEK	LANG: -73 984	DO 0.1 -910	Floatables none	BOILER PROTRUDING FROM WATER NEAR
APPROX, 150 YDS UPSTREAM OF OLD	ACAA	temperature // v	Odors none	ISLAND DOCL BULLING
BRIDGE	LAT: 01015	50 8.8 mg/1.	Grease none	TIDE: 14 - WESTER WY
SITE #6: MID- RONDOUT CREEK	LONG: 23981	198°C	Floatables were	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER NEW BRIDGE	- worat N	temperatore //t	Odors none	
	10197 M.	100 87 mg/L.	Grease Morel	TIDE: 14-45 TO 44.
RONDOUT CREEK	LAN 6: 73474	tomocrature 10.0°C	Floatables mane	RESTAURANT COVERED PATIO
APPROX. 200 YDS DOWNSTREAM OF	10:44A	temperature	Odors none	WI P. S. 191/ Jan
NEW BRIDGE	1AT: 41.972	m85 mall	Grease nave	TIDE: GAS LINE
RONDONT CREEK	LONG: -73-464	tomperature 20,2°C	Floatables MINN	CROSSING WARNING SIGN, water more
UPSTREAM OF BLOCK	10:54A	temperaturo	Odors none	siegetative debris/ brown/twind.
PAKK	1 AT: 41855	00 68 mg/4	Grease none	FLOW: ALWAYS EASTERLY (DOWN STREEM) WESTERLY
RONDAUT CREEK APPRO	X. LONG: 74,030	tomporature 196 C	Floatables none	END BOAT LANNCH
3/4 MILE UPSTREAM OF EDDYVILLE DAM AT	11.7/90	lemperature -	Odors NONE.	
NYSDEL BOAT LAUNCH	LAT:	DO	Grease	
NUDILCAT	LONG: SITE 7	temperature	Floatables	DITE +
Dirciti	11:25A.	is inportation of	Odors	



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY	12401	PO #			
Client P	Project Name:	Rondout Cree	ek				
Sample Type:		Surface Wate	er				
Order c	omment:						
Order ID:		124632					
Sample	Number:	222755					
Sample	Location:	Site #1, grab					
Sample	Comment:	FC rec'd at 9.	8 deg C.				
Date/Ti	me sample collected:	9/19/2014	10:20	Collected By:	AA		
Date/Ti	me sample received:	9/19/2014	12:40	Received by:	Amy Jo		
Date/Ti	me sample analyzed:	9/19/2014	15:15	Tech:	SS		
Parame	ətər	Te	st Result*	Units		Test Method	
Fecal C	oliform		10	CFU/100m	ηĹ	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

s.

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office							
	Kingston	NY	12401	PC) #				
Client P	Project Name:	Rondout Cre	ek						
Sample Type:		Surface Wate	er						
Order c	omment:								
Order II	D:	124632							
Sample	Number:	222756							
Sample	Location:	Site #2, grab							
Sample	Comment:	FC rec'd at 9	.4 deg C.						
Date/Tir	me sample collected:	9/19/2014	10:30	Collected By:	AA				
Date/Tir	me sample received:	9/19/2014	12:40	Received by:	Amy Jo				
Date/Tir	me sample analyzed:	9/19/2014	15:15	Tech:	SS				
Parame	ter	Te	st Result*	Units		Test Method			
Fecal C	oliform		20	CFU/100m	۱L	SM 18 9222D			

*Bacteriological test results are expressed as Colony Forming Units,

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office						
	Kingston	NY	12401	PO #				
Client P	roject Name:	Rondout Cree	k					
Sample	Туре:	Surface Wate	r					
Order comment: Order ID:								
		124632						
Sample	Number:	222757						
Sample	Location:	Site #3, grab						
Sample	Comment:	FC rec'd at 7.	4 deg C.					
Date/Tin	ne sample collected:	9/19/2014	10:39	С	ollected By:	AA		
Date/Tin	ne sample received:	9/19/2014	12:40	R	eceived by:	Amy Jo		
Date/Tin	ne sample analyzed:	9/19/2014	15:15		Tech:	SS		
Parame	ter	Tes	t Result*		Units		Test Method	
Fecal Co	oliform		350		CFU/100m	L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by, Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office	ffice					
	Kingston	NY	12401	PO #				
Client P	Project Name:	Rondout Cre	ek					
Sample	Туре:	Surface Wate	er					
Order c	omment:							
Order II	D :	124632						
Sample	Number:	222758						
Sample	Location:	Site #4, grab						
Sample	Comment:	FC rec'd at 9	.2 deg C.					
Date/Tir	ne sample collected:	9/19/2014	10:49	Collected By:	AA			
Date/Tir	ne sample received:	9/19/2014	12:40	Received by:	Amy Jo)		
Date/Tir	ne sample analyzed:	9/19/2014	15:15	Tech:	SS			
Parame	ter	Te	st Result*	Units		Test Method		
Fecal Co	oliform		10	CFU/100m	L	SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PO	#	
Cilent P	Project Name:	Rondout Cree	ek			
Sample Type:		Surface Wate	er			
Order c	omment:					
Order II	D:	124632				
Sample	Number:	222759				
Sample	Location:	Site #5, grab				
Sample	Comment:	FC rec'd at 9.	4 deg C.			
Date/Ti	me sample collected:	9/19/2014	10:54	Collected By:	AA	
Date/Ti	me sample received:	9/19/2014	12:40	Received by:	Amy Jo	
Date/Ti	me sample analyzed:	9/19/2014	15:15	Tech:	SS	
Parame	əter	Te	st Result*	Units		Test Method
Fecal C	oliform		40	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

25-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office					
	Kingston	NY 12401		PO #			
Client P	roject Name:	Rondout Cree	9k				
Sample	Туре:	Surface Wate	r				
Order c	omment:						
Order II	D:	124632			æ		
Sample	Number:	222760					
Sample	Location:	Site #6, grab					
Sample	Comment:	FC rec'd at 7.	9 deg C.				
Date/Tir	ne sample collected:	9/19/2014	10:44	Collected By:	AA		
Date/Tir	ne sample received:	9/19/2014	12:40	Received by:	Amy Jo		
Date/Tir	ne sample analyzed:	9/19/2014	15:15	Tech:	SS		
Parame	ter	Tes	st Result*	Units		Test Method	
Fecal Co	oliform		20	CFU/100m	L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office						
	420 Broadway Kingston	NY 12401		PO #				
Client F	Project Name:	Rondout Cree	.k					
Sample Type:		Surface Wate	r					
Order c	omment:							
Order ID:		124632						
Sample	Number:	222761						
Sample	Location:	Site #7, grab						
Sample	Comment:	FC rec'd at 11	.7 deg C.					
Date/Ti	me sample collected:	9/19/2014	11:28	Collected By:	AA			
Date/Ti	me sample received:	9/19/2014	12:40	Received by:	Amy Jo			
Date/Ti	me sample analyzed:	9/19/2014	15:15	Tech:	SS			
Parame	ater	Tes	st Result*	Units		Test Method		
Fecal C	oliform		< 10	CFU/100m	nL	SM 18 9222D		

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine	ers Office					
	Attn: Alan Adin						
	420 Broadway	NIX	42401	PO #			
	Kingston	N f	12401	FC	, u		
Client F	Project Name:	Rondout Cree	ek				
Sample Type:		Surface Wate					
Order c	comment:						
Order ID:		124632					
Sample	Number:	222762					
Sample	Location:	Duplicate, grab					
Sample	Comment:	FC rec'd at 1	5.4 deg C.				
Date/Ti	me sample collected:	9/19/2014	11:28	Collected By:	AA		
Date/Ti	me sample received:	9/19/2014	12:40	Received by:	Amy Jo)	
Date/Ti	me sample analyzed:	9/19/2014	15:15	Tech:	SS		
Parame	ətər	Te	st Result*	Units		Test Method	
Fecal C	oliform		< 10	CFU/100m	۱L	SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	PO	*
Client P	Project Name:	Rondout Cr	eek		
Sample Type: Order comment: Order ID:		Water			
		124632			
Sample	Number:	222763			
Sample	Location:	Blank-QC			
Sample	Comment:	100 mL buff	fered rinse water use	d	
Date/Ti	me sample collected:	9/19/2014	15:15	Collected By:	
Date/Ti	me sample received:	9/19/2014	15:15	Received by:	Amy Jo
Date/Ti	me sample analyzed:	9/19/2014	15:15	Tech:	SS
Parame	ətər	т	est Result*	Units	Test Method
Fecal C	coliform		< 1	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

23-Sep-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineer Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401	PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek		
Order ID: 124632 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 222755 Site #1, grab 9/19/2014 10:20 9/19/2014 12:40 FC rec'd at 9.8 deg C.	Sample Collected By: AA Sample Received by: Amy Jo	
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 6 mg/L	Test Method Test Date Test Time Test SM20 2540F 9/19/2014 13:50 SM20 2540 D 9/24/2014	sW SW
Order ID: 124632 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 222756 Site #2, grab 9/19/2014 10:30 9/19/2014 12:40 FC rec'd at 9.4 deg C.	Sample Collected By: AA Sample Received by: Amy Jo	
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 8 mg/L	Test Method Test Date Test Time T SM20 2540F 9/19/2014 13:50 SM20 2540 D 9/24/2014	ech** SW SW
Order ID: 124632 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter:	Pipe Number: 222757 Site #3, grab 9/19/2014 10:39 9/19/2014 12:40 12:40 FC rec'd at 7.4 deg C Test Result Units	Sample Collected By: AA Sample Received by: Amy Jo Test Method Test Date Test Time T	ech**
Solids, Settleable Total Suspended Solids	< 0.1 mL/L 8 mg/L	SM20 2540F 9/19/2014 13:50 SM20 2540 D 9/24/2014	SW SW
Order ID: 124632 San Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	nple Number: 222758 Site #4, grab 9/19/2014 10:49 9/19/2014 12:40 FC rec'd at 9.2 deg C	Sample Collected By: AA Sample Received by: Amy Jo C.	Tech**
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 8 mg/L	Test Method Test Date Test Time SM20 2540F 9/19/2014 13:50 SM20 2540 D 9/24/2014	SW SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Enginee Attn: Alan Adin	ers Office					
	Kingston	NY	12401		PO	#	
Order ID	: 124632 Sam	ple Number:	222759				
Sample	Location:	Site #5, gra	b				
Date/Tin	ne sample collected:	9/19/2014	10:54	Sample Collected E	By: AA		
Date/Tin	ne samples received:	9/19/2014	12:40	Sample Received b	oy: Amy	Jo	
Sample	Comment:	FC rec'd at	9.4 deg C.				
Paramet	ter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, S	Settleable	< 0.1	mL/L	SM20 2540F	9/19/2014	13:50	SW
Total Su	spended Solids	9	mg/L	SM20 2540 D	9/24/2014		SW
Order ID): 124632 Sar	ple Number:	222760				
Sample	Location:	Site #6, gra	b				
Date/Tir	ne sample collected:	9/19/2014	10:44	Sample Collected	By: AA		
Date/Tir	ne samples received:	9/19/2014	12:40	Sample Received I	by: Amy	Jo	
Sample	Comment:	FC rec'd at	7.9 deg C.				
Parame	ter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids, S	Settleable	< 0.1	mL/L	SM20 2540F	9/19/2014	13:50	SW
Total Su	spended Solids	3	mg/L	SM20 2540 D	9/24/2014		SW
Order II	D: 124632 San	nple Number:	222761				
Sample	Location:	Site #7, gra	ab				
Date/Ti	me sample collected:	9/19/2014	11:28	Sample Collected	By: AA		
Date/Ti	me samples received:	9/19/2014	12:40	Sample Received	by: Amy	Jo	
Sample	Comment:	FC rec'd at	11.7 deg C				
Parame	eter:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids.	Settleable	< 0.1	l mL/L	SM20 2540F	9/19/2014	13:50	SW
Total Su	uspended Solids	8	3 mg/L	SM20 2540 D	9/24/2014		SW
Order	D: 124632 Sar	nple Number:	222762				
Sample	Location:	Duplicate,	grab				
Date/Ti	me sample collected:	9/19/2014	11:28	Sample Collected	By: AA		
Date/Ti	me samples received:	9/19/2014	12:40	Sample Received	by: Amy	Jo	
Sample	Comment:	FC rec'd a	t 15.4 deg C				
Parame	ater:	Test Result	Units	Test Method	Test Date	Test Time	Tech**
Solids	Settleable	< 0.	1 mL/L	SM20 2540F	9/19/2014	13:50	SW
Total S	uspended Solids		4 mg/L	SM20 2540 D	9/24/2014		SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	ors Office	12401		PO	#	
Order II Sample Date/Tin Date/Tin	D: 124632 Sam Location: me sample collected: me samples received:	ple Number: Blank-QC 9/19/2014 9/19/2014	222763 15:15 15:15	Sample Collected Sample Received	l By: I by: Amy	, Jo	
Sample Parame Solids, 3 Total So Results	e Comment: eter: Settleable uspended Solids s Comment:	100 mL buff Test Result < 0.1 < 1	ered rinse Units mL/L mg/L	water used Test Method SM20 2540F SM20 2540 D	Test Date 9/19/2014 9/24/2014	Test Time 13:50	Tech** SW SW

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

22-Oct-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

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Total number of pages in this report, including chain of custody, is _____

	Date	4	teview: Mgr	kev. 4, 2/14 Data R	ain of Custody F	aboratory Ch	Smith I					Other
112	2	J	X				F			°	pe (Yes)No	Correct Bottle Ty
								1		0	ation NA Yes No	Chemical Preserv
										0	tion: NA Yes No	Thermal Preserva
						ments:	Com			requirements	net the following	Sample(s) receive
			Date: - / 1		TANT	By:	ceived at Lat	Re			ed By:	Sample Relinquish
40		1/14	Q/10		AND		cived By:	Re		S HUN	ed By: ALAN	Sample Relinquish
	Time		7	Laborauoi y.	vance by smim	pproved in adv	cments are a	iyment arrang	less other pa	n responsible for payment, ur	also affirm that I am	my knowledge. I a
bestof	nplete to the	; and con	information above is true	I hereby affirm that the	NO TECH.	NGINEERI	(Title) E			ADIN	ALAN	Sampled By: (Nan
L			ĺ.				-	-		Blank	Las	222763
F	12/10	f	1-1/2 L PLAS	TISS	11:28A			×	SW		DUPLICATE	1762
-	861/	+	1-1/2 L PLAS	TTSS	11:28 A			×	SW		SITE #7	761
1	0.199		1-1/2 L PLAS 1-1LPLAS	TTSS	10:44A			×	SW		SITE #6	760
+	13.6		1-1/2 L PLAS 1-1LPLAS	TTSS S	10:54A			×	SW		SITE #5	759
	4.8		1-1/2 L PLAS	TSS	10:49A			×	SW		SITE #4	254
	634	-	I-ILPLAS	SS	HICH			-			JIL	151
	3.9/2.1	4	1-1LPLAS 1-1/2 L PLAS	SS	10.39 A		+	×	SW		SITE #3	AC/
	2.1/1.1	-	1-1LPLAS 1-1/2 L PLAS	SS TSS	10:301			×	SW		SITE #2	100 CV
7	6.6	4	1-112 L PLAS	SS TSS	10:20A			×	WS		SITE #1	n n n A
AT Lab	Temp, Deg C	N/N	Container & Preservative	Analysis Requested	Sampled 9 - 19 14	Treatment Type & Residual	p First Draw	Grab Com # hrs	Matrix	Identification & Imple Point	Sample Sa	Order ID No:
Pras	USE ON	LAB		E PROVIDED BELOW	THE SPAC	ATION IN	NFORM	AMPLE I	E THE S	CLIENT: COMPLET		LAB USE ONLY
l			ID No: NY-	N PWS Fed I	H SWENSC	To: _RALF	py Report	Coj	l	I, NY 12401	KINGSTON	
1			ocation:	30VL	kingston-ny.	aadin@}	ent Email:	Clie	1	DWAY	s: 420 BROAL	Mailing Address
I	CNEEN		CILITY Name: _KUNI	Project/Fac	334-3968	No: _845-3	ent Phone	Clie		GSTON	CITY OF KIN	Client Name:
	CDEEK	SIT	IN AL DOUT								0000	Fax: 040-240
		2	Receipt No	o V	Local Health Yes N			applies)	surcharge uested:	RUSH (Rush :	12000-1010 0-6536	Phone: 845-229
			Amt Paid:	to	Copy results		ž	<	Standard	Turnaround Time:	17520-1212	4 Scenic Drive
			Amt Due:		TODY	OF CUS	HAIN	Q			LATORY	SMITH LABOR
	T		I nain Rev									

Attach nt 1 - Sampling	Event Summary Sheet		Date:	9.24.14 Pageof
Initials:	AN LO CO	Willel.		. 705
Sampling Team:	A. Adin / 0. 24	vere:	Temperature:	102 70:
Weather:	party survey		-	TIDE 2:22P
Direction of Flow:	IN WESTEROT		HIGH	Comments
U. Location	Time	Field Parameter	Physical Observations	TIDE: N · WSTEREY
Sampling Location	1 AT ITUDE: 41906	DO 97 mg/L	Grease NONE	APPROX, 15 YDS WESTERLY OF FLENEY DRY
CREEK APPROX. 250 YOS	LONGITUDE: 20.004	21.3°C	Floatables NONE	DOCK AT PROPERTY BOUNDARY BETWEEN
UPSTREAM OF WILBUR		temperature 200	Odars NDNE	FEENEY AND FILLENCE CON
AVE. OUTPACE	,100P		UUUIS NOON	TIDE: IN CHESTERICY OF ISLAND DOCK
CITE # 7. MID-RONCOUT	LAT: 41.912	DO 10.1 mg/L.	Grease NOVE	50 YDS SOUTHERLY OF TS
CREEK - UPSTREAM	LONG: 73.992	Homorature 20.7°C	Floatables NONE	CAUSEWAY COLVECTS
OF BLOCK PARK	11.1	lemperature	Odors NONE	10 Co (01 \)
	112p	1 1 1	10,440	TIDE: NOWSPERIN OF OLD STEEL
SITE #3: MID-	LAT: 41.915	DO 4.4 mg/2	Grease AUNA	25 YDS SOUTHERCY FROM WATER NEAR
RONDAUT CREEK	LONG: 73.984	temperature 20.3	Floatables Northe	ISLAND DOCK BULKHEAD
APPROX. ISD TOS	1 2 2 3.44	tomp	Odors NONE	NU SAEALV
BRIDGE	TTPM	er & mal	Grand NAME	TIDE: N MERLY OF CLEARWATER
SITE #6: MID-	LAT: 41.915	DO 8.9 7/L.	Grease	SO YDS SUTTED, DOUBLE SLIDE DOORS
RONDOUT CREEK	LONG: 73.981	temperature 20.4 C	Floatables 700000	
UNDER NEW SKIDGE	= 1:220		Odors NONE	11 LIGONERLY
	211012	× 10mg/c	Grassa NONE	TIDE: IN CONTRELIN OF STEELHOUSE
SITE #4: MID-	LAT: 41.712	DO D.U. //	GIBAGE MILLIMAT	DESTANDANT CONFRED PATIC
RONDOUT CREEK	LONG: 73, 444	temperature 20. 4 C	Floatables	MININO VEGETATIVE MATTER.
DOWNSTREAM OF	1.2.42		Odors WUNKE	WINNE WESTERLY
NEW BRIDGE	11972	- Stomally	Grease NONE	TIDE SOUTHERLY OF GAS LINE
SITE #5: MID-	LAT: 4110-	DO 5 6 19/0	Cicaco	CRASSIANS WARNING SIGN
RENDONT CREEN	LONG: 12 TOT	temperature 2.1 C	Floatables	regetative watter
HUDS COU	destants-		Odors NONE.	ELLINAS EASTERLY (DOWN STREAM) - LOCATION
CONFLUENCE	11885	22 7/ my/1	Grease MOME	KIDT TIDAL. STRAIGHT OUT FROM WESTERLY
SITE # 7: MID-	LAT: 400 - 1 + 20	00 1.0 1/2	Fleetables & Dun IF	END BOAT LANNCH
3/1 MILE UPSTREAM OF	LONE: +400	temperature 20.3 C	Floatables Poor VI	
EDDYVILLE DAM AT	R:05P		Odors NON	
NYSDEL BOAT LAUNCH	1 AT: 111.013	DO 4.7 mm/1	Grease NONE	
	1416 77 829	$\frac{1}{2}$	Eloatables MUDNE	SITE #L
DUPLICATE	LONGI FRONT	temperature (1.)	O loss A 100 4	- CLUP - T
SITE #1	1:000		Udors NUV	

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC)#
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order II	D:	124763			
Sample	Number:	223118			
Sample	Location:	Site #1, grab			
Sample	Comment:	FC rec'd at 7.	0 deg C.		
Date/Tir	ne sample collected:	9/24/2014	13:00	Collected By:	AA
Date/Tir	ne sample received:	9/24/2014	15:00	Received by:	Amy Jo
Date/Tir	me sample analyzed:	9/24/2014	17:20	Tech:	SS
Parame	ter	Tes	t Result*	Units	Test Method
Fecal Co	oliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin	eers Office			
	Attn: Alan Adin				
	Kingston	NY	12401	PC) #
	ç				
Client P	Project Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order c	omment:				
Order I	D:	124763			
Sample	Number:	223119	S		
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 8.	5 deg C.		
Date/Tin	ne sample collected:	9/24/2014	13:12	Collected By:	AA
Date/Tin	ne sample received:	9/24/2014	15:00	Received by:	Amy Jo
Date/Tir	me sample analyzed:	9/24/2014	17:20	Tech:	SS
Parame	ter	Tes	st Result*	Units	Test Method
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC) #	
Client P	Project Name:	Rondout Cree	łk			
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order II	D:	124763				
Sample Number:		223120				
Sample	Location:	Site #3, grab				
Sample	Comment:	FC rec'd at 6.	3 deg C.			
Date/Tir	me sample collected:	9/24/2014	13:17	Collected By:	AA	
Date/Tir	me sample received:	9/24/2014	15:00	Received by:	Amy Jo)
Date/Tir	me sample analyzed:	9/24/2014	17:20	Tech:	SS	
Parame	ter	Tes	st Result*	Units		Test Method
Fecal C	oliform		40	CFU/100m	ıL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

06-Oct-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office	12401	PC) #	
	, and the second s					
Client P	roject Name:	Rondout Cre	ek			
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order I	D:	124763				
Sample	Number:	223121				
Sample	Location:	Site #4, grab				
Sample	Comment:	FC rec'd at 9.	2 deg C.			
Date/Tir	ne sample collected:	9/24/2014	13:24	Collected By:	AA	
Date/Tir	ne sample received:	9/24/2014	15:00	Received by:	Amy Jo	
Date/Tir	ne sample analyzed:	9/24/2014	17:20	Tech:	SS	
Parame	ter	Te	st Result*	Units	Test Method	
Fecal Co	oliform		30	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order co	omment:				
Order ID):	124763			
Sample Number:		223122			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 12	2.6 deg C.		
Date/Tin	ne sample collected:	9/24/2014	13:30	Collected By:	AA
Date/Tin	ne sample received:	9/24/2014	15:00	Received by:	Amy Jo
Date/Tin	ne sample analyzed:	9/24/2014	17:20	Tech:	SS
Paramet	ter	Tes	st Result*	Units	Test Method
Fecal Co	bliform		10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Mapager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC)#	
Client P	Project Name:	Rondout Cree	k			
Sample	Туре:	Surface Wate	r			
Order c	omment:					
Order I	D:	124763				
Sample	Number:	223123				
Sample	Location:	Site #6, grab				
Sample	Comment:	FC rec'd at 7.3 deg C.				
Date/Tir	me sample collected:	9/24/2014	13:22	Collected By:	AA	
Date/Tir	me sample received:	9/24/2014	15:00	Received by:	Amy Jo	
Date/Tir	me sample analyzed:	9/24/2014	17:20	Tech:	SS	
Parame	ter	Tes	t Result*	Units	Test Method	
Fecal Co	oliform		20	CFU/100m	L SM 18 9222D	

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	PC)#
Client P	Proiect Name:	Rondout Cree			
Sample	Туре:	Surface Wate	r		
Order c	omment:				
Order II	D:	124763			
Sample	Number:	223124			
Sample	Location:	Site #7, grab			
Sample	Comment:	FC rec'd at 12	2.8 deg C.		
Date/Tir	me sample collected:	9/24/2014	14:05	Collected By:	AA
Date/Tir	me sample received:	9/24/2014	15:00	Received by:	Amy Jo
Date/Tir	me sample analyzed:	9/24/2014	17:20	Tech:	SS
Parame	ter	Tes	t Result*	Units	Test Method
Fecal Co	oliform		< 10	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway Kingston	eers Office	12401	PC)#	
	Ningoton					
Client P	roject Name:	Rondout Cree	ek		-	
Sample	Туре:	Surface Wate	er			
Order c	omment:					
Order I):	124763				
Sample	Number:	223125				
Sample	Location:	Duplicate, Site #1, grab				
Sample	Comment:	FC rec'd at 8.	4 deg C.			
Date/Tin	ne sample collected:	9/24/2014	13:00	Collected By:	AA	
Date/Tin	ne sample received:	9/24/2014	15:00	Received by:	Amy Jo	
Date/Tir	ne sample analyzed:	9/24/2014	17:20	Tech:	SS	
Parame	ter	Tes	st Result*	Units	Test	Method
Fecal Co	oliform		10	CFU/100m	L SM 1	8 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by/Lab Manager, ELAP Lab ID #10924

30-Sep-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office	10101			
	Kingston	NY	12401	PC)#	
Client P	Project Name:	Rondout Cre	eek			
Sample	Туре:	Water				
Order c	omment:					
Order II	D:	124763				
Sample	Number:	223126				
Sample	Location:	Blank QC				
Sample	Comment:	100 mL buffe	ered rinse water used			
Date/Tir	ne sample collected:	9/24/2014	17:20	Collected By:	AA	
Date/Tir	ne sample received:	9/24/2014	17:20	Received by:	Amy Jo	1
Date/Tir	ne sample analyzed:	9/24/2014	17:20	Tech:	SS	
Parame	ter	Те	est Result*	Units		Test Method
Fecal Co	oliform		< 1	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

30-Sep-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.



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SMITH LABORATORY

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	ns Office NY 12401		PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek			
Order ID: 124763 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 223118 Site #1, grab 9/24/2014 13:00 9/24/2014 15:00 FC rec'd at 7.0 deg C.	Sample Collected By: Sample Received by:	AA Amy Jo	
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 4 mg/L	Test Method Test SM20 2540F 9/24/2 SM20 2540 D 9/26/2	Date Test Time 2014 16:20 2014	Tech** SW SW
Order ID: 124763 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 223119 Site #2, grab 9/24/2014 13:12 9/24/2014 13:00 15:00 FC rec'd at 8.5 deg C. 15:00 15:00	Sample Collected By: Sample Received by:	AA Amy Jo	
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 m⊡/L 4 mg/L	Test Method Test SM20 2540F 9/24/3 SM20 2540 D 9/26/3	2014 Test Time 2014 16:20 2014	Tech** SW SW
Order ID: 124763 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter:	Imple Number: 223120 Site #3, grab 9/24/2014 13:17 9/24/2014 13:17 9/24/2014 15:00 FC rec'd at 6.3 deg C Test Result Units	Sample Collected By: Sample Received by: Test Method Tes	AA Amy Jo t Date Test Time	Tech** SW
Solids, Settleable Total Suspended Solids Order ID: 124763 Sar	< 0.1 mDL7 mg/Lnple Number: 223121	SM20 2540 D 9/26/	/2014	SW
Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	Site #4, grab 9/24/2014 13:24 9/24/2014 15:00 FC rec'd at 9.2 deg C	Sample Collected By: Sample Received by:	AA Amy Jo	
Parameter: Solids, Settleable Total Suspended Soli ds	Test Result Units < 0.1 [−] mL/L 7 mg/L	Test Method Test SM20 2540F 9/24 SM20 2540 D 9/26	st Date Test Time /2014 16:20 5/2014	Tech** SW SW



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engir Attn: Alan Adin	neers Office			
Kingston	NY 12401		PO #	
Order ID: 124763 Sa	ample Number: 223122			_
Sample Location:	Site #5, grab			
Date/Time sample collected:	9/24/2014 13:30	Sample Collected By:	AA	
Date/Time samples received:	9/24/2014 15:00	Sample Received by:	Amy Jo	
Sample Comment:	FC rec'd at 12.6 deg C			
Parameter:	Test Result Units	Test Method Te	st Date Test Time	Tech**
Solids, Settleable	< 0.1 mL/L	SM20 2540F 9/2	4/2014 16:20	SW
Total Suspended Solids	8 mg/L	SM20 2540 D 9/2	6/2014	SW
Order ID: 124763 S	ample Number: 223123			
Sample Location:	Site #6, grab			
Date/Time sample collected:	9/24/2014 13:22	Sample Collected By:	AA	
Date/Time samples received:	9/24/2014 15:00	Sample Received by:	Amy Jo	
Sample Comment:	FC rec'd at 7.3 deg C.			
Parameter:	Test Result Units	Test Method Te	est Date Test Time	Tech**
Solids Settleable	< 0.1 mL/L	SM20 2540F 9/2	4/2014 16:20	SW
Total Suspended Solids	4 mg/L	SM20 2540 D 9/2	26/2014	SW
Order ID: 124763	ample Number: 223124			
Semple Leastion:	Site #7 grab			
Date/Time comple collected:	9/24/2014 14:05	Sample Collected By:	AA	
Date/Time samples received	9/24/2014 15:00	Sample Received by:	Amy Jo	
Sample Comment:	FC rec'd at 12.8 deg C	D.		
Deremotor:	Test Result Units	Test Method T	est Date Test Time	Tech**
Parameter:	< 0.1 mL/L	SM20 2540F 9/2	24/2014 16:20	SW
Total Suspended Solids	3 mg/L	SM20 2540 D 9/2	26/2014	SW
	22212E			
Order ID: 124/63	Duplicate Site #1 or	ah		
Sample Location:	0/24/2014 13:00	Sample Collected By	: AA	
Date/Time sample collected:	9/24/2014 15:00	Sample Received by:	Amy Jo	
Date/Time samples received	FC rec'd at 8.4 deg C		-	
Sample Comment.	Tast Besult Units	Test Method	lest Date Test Time	Tech**
Parameter:		SM20 2540F 9/	24/2014 16:20	SW
Solids, Settleable	SU.1 /ML/L	SM20 2540 D 9/	26/2014	SW
Total Suspended Solids	s mg/∟	010120 2070 D 3/		

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-8536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineers Office Attn: Alan Adin 420 Broadway Kingston N

NY 12401

PO #

Results Comment:

0 .5

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

22-Oct-14

Key: <= less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

Total number of pages in this report, including chain of custody, is _____

0	ate (12	view: Mg	ev. 4, 2/14 Data Rev	in of Custody R	aboratory Cha	Smith L						Other
	3						Π)W	* (*	Correct Bottle Typ
							Ī			ł	No	tion: NA Yes	Chemical Preserva
						vents:	Comm				No	ion: NA Yes	Sample(s) received
]¢	ime: 120	ILY I	Date: 1/2		AGA	By: D	ved at Lab	Recei	1			d By:	Sample Relinquishe
\$			Date:		うろ		ved By:	Recei			AN ADIO	By R2	Sample Relinquishe
				Laboratory.	rance by smith i	pproved in adv	nents are a	it arrangen	paymen	nless other	l am responsible for payment, u	Iso affirm that	my knowledge. I a
sest of	plete to the t	and com	formation above is true	H. I hereby affirm that the inf	WG TEC	NGINEERI	(Title)				the Adia	e) ALA	Sampled By: (Nam
			•										
L	16.4 -	A	I-ILPLAS I-1/2 L PLAS	SS TSS	1:00 P				×	SW	TE SINE #1	DUPLICA	1 25
	44/14		1-112 L PLAS	SS TSS	2:05p				×	WS	140	SITE #7	124
	12/78	¢	1-112 L PLAS	SS TSS	1:220				×	SW		SITE #6	123
	3.1/6.7		1-1LPLAS 1-1/2 L PLAS	SS TSS	1:30p				×	SW		SITE #5	122
L	E 7/1.	-	1-1LPLAS 1-1/2 L PLAS	SS TSS	1:248				×	WS		SITE #4	121
	1.6/12.7	<u> </u>	I-ILPLAS I-I/2 L PLAS	SS TSS	941.1				×	SW		SITE #3	120
	1.2/1-7		1-112 L PLAS	SS TSS	1:12p				×	SW		SITE #2	1191
5	0.01/2	4	1-1LPLAS 1-1/2 L PLAS	SS TSS	1:000				×	WS		SITE #1	223118CC
Ň	Deg C	-	Preservative	Kequested	Sampled 9-24-14	Type & Residual	First Draw	Comp # hrs	Grab	Matrix	Sample Point		Sample No:
Pres.	Sample I Temp. a	loed	Container &	Analysis	Date/Time	Treatment)ne)	Check (~		mple Identification &	Sar	Order ID No:
ľ	USE ONL	LAB		E PROVIDED BELOW	THE SPAC	ATION IN	FORM/	PLE IN	SAM	TE THE	CLIENT: COMPLE		LAB USE ONLY
			O No: NY	DN PWS Fed II	PH SWENSC	To: _RALF	y Report	Cop		ļ	TON, NY 12401	KINGS	
1			cation:	gov Lo	kingston-ny.	aadin@l	nt Email:	Clie			DADWAY	s: 420 BR(Mailing Addres
I	CREEK_	DOUT	ility Name: _RON	Project/Faci	334-3968	No: _845-	nt Phone	Clie			KINGSTON	_CITY OF	Client Name:
		o. 04	Amt Paid Pmt Meth Receipt N	; to n Dept. Io	Copy results Local Health Yes N		×	lies)	ard V	: Stand surcha	3 Turnaround Time RUSH (Rush ** Date report re	12538-131; 9-6536 9-6538	4 Scenic Drive Hyde Park, NY Phone: 845-229 Fax: 845-229
	A A	view: 4	Login Re Amt Due:		STODY	OF CUS	IAIN	CH				RATORY	SMITH LABO
-	1	-	-										

Attach nt 1 - Sampling	Event Summary Sheet		s	
Initials:	625		Date:	OCTO 852 8,2014 Page 1 of 1
Sampling Team:	ALLEW WINCHE	IL TIMP. RA	cost S,	*
Weather:	CLEAR	25C	Temperature: 60 F	
Direction of Flow:	EAST / DOTO	TIDE TIDE		
Direction of Field.			Discissi Observations	Comments
Sampling Location	Time	Field Parameter	Physical Observations	TIDE: 4:45 Are
SITE#1: MID-RONDOUT CREEK APPROX. 250 YOS	LATINOE: 41. 100	DO 7.9	Grease	APPROX. 15 YDS WESTERLY OF FEENEY DRY
UPSTREAM OF WILBUR	LONGIT WE: 77, 004	temperature / 8. 6 C	Floatables Ladures	DOCK AT PROPERTY BOUNDARY BETWEEN
AVE. OUTPACE	,		Odors News	
SITE # 2: MID-RONGOT	LAT: 41.912	DO 8.0	Grease None	50 YDS SOUTHERLY OF ISLAND DOCK
OF BLOCK PARK	LONG: - 73 992	temperature (8.2c	Floatables Nova	CAUSEWAY CULVERTS
			Odors NENS	Pax
SITE #3: MID-	LAT: 41,914	0 8.1	Grease NONS	TIDE: 10 LOS SOUTHERLY OF OLD STEEL
RONDAUT CREEK APPROX, 150 YDS	LONG: _ 73_985	temperature /8,3 C	Floatables No NA	BOILER PROTRUDING FROM WATER NEAR
UPSTREAM OF OLD			Odors News	ISLAND DOCK BULEHEAD
BRIDGE	LAT: 41 918	DO 84	Grease NONE	TIDE: 10:07 M
RONDOUT CREEK	LONG - 73.981		Floatables Koniz	MAINTENANCE SHED, DOUBLE SLIDE DOORS
UNDER NEW BRIDGE		temperature 78.4 C	Odors NONS	2 Del
And Ala	1 AT. 11 9101		Course JE JA	TIDE: 10:10 m
RONDOUT CREEK	$LHI: \gamma i T(7)$	DO 0.5	Grease Dere	50 YDS SOUTHERLY OF STERLHOUSE
APPROX. 200 YDS	LONG: - 73.9 19	temperature 18.6 C	Floatables	KESTAUTION COULES
NEW BRIDGE		A 12	Odors Now2	TIDE: IN INLIBAM
SITE #5: MID-	LAT: 91,922	DO 8.5	Grease Nov.2	50 YDS SOUTHERLY OF "GAS LINE
VPSTREAM OF BLOCK	LONG: =73,969	temperature 18.50	Fluatables 2022	CROSSING WARNING SIGN
PARK			Odors No No	En alle E Altreau / De and STO Eau) - LOCATION
SITE # 7: MID-	LAT:	DO 6.9	Grease NONE	NOT TIDAL. STRAIGHT OUT FROM WESTERLY
BONDAUT CREEK APPROX. 3/2 MILE UPSTREAM OF	LON 6:	temperature /9.3 C	Floatables NoNE	END BOAT LAVNCH 12 50 Arm
EDDYVILLE DAM AT			Odors NONE	10.00
	LAT:	DO	Grease	
DUPLICATE	LONG;	temperature	Floatables	2010 4
(51 Te2 # 4)			Odors	(
		1		

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	ers Office			
	Kingston	NY	12401	PC) #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order co	omment:				
Order ID:		125179			
Sample	Number:	224112			
Sample	Location:	Site #1, grab			
Sample	Comment:	FC rec'd at 8.3 deg C.			
Date/Tim	ne sample collected:	10/8/2014	9:45	Collected By:	RS
Date/Tim	ne sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	ne sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramet	er	Те	st Result*	Units	Test Method
Fecal Co	liform		100	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order co	omment:				
Order ID:		125179			
Sample	Number:	224113			
Sample	Location:	Site #2, grab			
Sample	Comment:	FC rec'd at 9.4 deg C.			
Date/Tim	e sample collected:	10/8/2014	9:56	Collected By:	RS
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramete	er	Te	st Result*	Units	Test Method
Fecal Co	liform		190	CFU/100m	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

14-Oct-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	P	0 #	
Client P	roject Name:	Rondout Cree	ek	~		
Sample	Туре:	Surface Wate	r			
Order co	omment:					
Order ID:		125179				
Sample	Number:	224114				
Sample I	Location:	Site #3, grab				
Sample	Comment:	FC rec'd at 8.8 deg C				
Date/Tim	e sample collected:	10/8/2014	10:02	Collected By:	RS	
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo	
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS	
Paramete	er	Tes	t Result*	Units		Test Method
Fecal Col	liform		80	CFU/100m	ıL	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cre	ek		
Sample	Туре:	Surface Wat	er		
Order co	omment:				
Order ID:		125179			
Sample	Number:	224115			
Sample	Location:	Site #4, grab			
Sample	Comment:	FC rec'd at 1	2.2 deg C		
Date/Tim	e sample collected:	10/8/2014	10:10	Collected By:	RS
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramet	er	Tes	st Result*	Units	Test Method
Fecal Co	liform		720	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by Lab Manager, ELAP Lab ID #10924

14-Oct-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cree	k		
Sample	Туре:	Surface Wate	r		
Order co	omment:				
Order ID	:	125179			
Sample	Number:	224116			
Sample	Location:	Site #5, grab			
Sample	Comment:	FC rec'd at 14.4 deg C			
Date/Tim	e sample collected:	10/8/2014	10:18	Collected By:	RS
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramet	er	Tes	t Result*	Units	Test Method
Fecal Co	liform		640	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office			
	Kingston	NY	12401	PC	D #
Client P	roject Name:	Rondout Cree	ek		
Sample	Туре:	Surface Wate	er		
Order co	omment:				
Order ID:		125179			
Sample	Number:	224117			
Sample	Location:	Site #6, grab			
Sample	Comment:	FC rec'd at 12.1 deg C			
Date/Tim	e sample collected:	10/8/2014	10:07	Collected By:	RS
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramet	er	Tes	t Result*	Units	Test Method
Fecal Co	liform		200	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin 420 Broadway	eers Office				
	Kingston	NY	12401	PC	C #	
Client P	roject Name:	Rondout Cree	ek			
Sample	Туре:	Surface Wate	er			
Order co	omment:					
Order ID:		125179				
Sample	Number:	224118				
Sample	Location:	Site #7, grab				
Sample	Comment:	FC rec'd at 8.0 deg C				
Date/Tim	ne sample collected:	10/8/2014	10:50	Collected By:	RS	
Date/Tim	e sample received:	10/8/2014	14:15	Received by:	Amy Jo	
Date/Tim	e sample analyzed:	10/8/2014	15:20	Tech:	SS	
Paramet	er	Tes	st Result*	Units		Test Method
Fecal Co	liform		10	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14


ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engine Attn: Alan Adin	eers Office			
	Kingston	NY	12401	P	D #
Client P	roject Name:	Rondout Cree	k		-
Sample	Туре:	Surface Wate	r		
Order co	omment:				
Order ID):	125179			
Sample	Number:	224119			
Sample	Location:	Duplicate, Site	e #4, grab		
Sample	Comment:	FC rec'd at 13	.4 deg C		
Date/Tim	ne sample collected:	10/8/2014	10:10	Collected By:	RS
Date/Tim	ne sample received:	10/8/2014	14:15	Received by:	Amy Jo
Date/Tim	ne sample analyzed:	10/8/2014	15:20	Tech:	SS
Paramet	er	Tes	t Result*	Units	Test Method
Fecal Co	liform		1,000	CFU/100m	L SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Engin Attn: Alan Adin 420 Broadway Kingston	eers Office NY	12401	P	C #	
Client D	roioof Nomo.	Dandaut Cre	ak			
Sample		Kondout Cre	eek			
Order or	Type.	vvaler				
Order ID):	125179				
Sample	Number:	224128				
Sample	Location:	Blank-QC				
Sample	Comment:	100 mL buffe	ered rinse water used			
Date/Tim	ne sample collected:	10/8/2014	15:20	Collected By:		
Date/Tim	ne sample received:	10/8/2014	15:20	Received by:	Amy Jo	
Date/Tim	ne sample analyzed:	10/8/2014	15:20	Tech:	SS	
Paramet	er	Те	st Result*	Units		Test Method
Fecal Co	liform		< 1	CFU/100m	L	SM 18 9222D

*Bacteriological test results are expressed as Colony Forming Units.

Results Comment:

Reviewed by: Lab Manager, ELAP Lab ID #10924

14-Oct-14

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ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client: City of Kingston Engineer Attn: Alan Adin 420 Broadway Kingston	rs Office NY 12401		PO #	
Sample Type: Client Project Name: Order comment:	Surface Water Rondout Creek			_
Order ID: 125179 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	ple Number: 224112 Site #1, grab 10/8/2014 9:45 10/8/2014 14:15 FC rec'd at 8.3 deg C.	Sample Collected By: Sample Received by:	RS Amy Jo	
Sample Comment. Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 2 mg/L	Test Method Test SM20 2540F 10/8 SM20 2540 D 10/13	at Date Test Time Teo /2014 15:15 S 3/2014 L	sh** SW _M
Order ID: 125179 Sam Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	Imple Number: 224113 Site #2, grab 10/8/2014 9:56 10/8/2014 14:15 FC rec'd at 9.4 deg C.	Sample Collected By: Sample Received by: Test Method	RS Amy Jo st Date Test Time Te	ch**
Parameter: Solids, Settleable Total Suspended Solids	< 0.1 mL/L2 mg/L	SM20 2540F 10/8 SM20 2540 D 10/1	3/2014 15:15 5 3/2014	SW LM
Order ID: 125179 Sar Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment: Parameter: Solids, Settleable Total Suspended Solids	nple Number: 224114 Site #3, grab 10/8/2014 10:02 10/8/2014 14:15 10/8/2014 14:15 FC rec'd at 8.8 deg C 10 10 10 Test Result Units <0.1	Sample Collected By: Sample Received by: Test Method Te SM20 2540F 10/ SM20 2540 D 10/	RS Amy Jo est Date Test Time Te 8/2014 15:15 13/2014	ech** SW LM
Order ID: 125179 Sa Sample Location: Date/Time sample collected: Date/Time samples received: Sample Comment:	mple Number: 224115 Site #4, grab 10/8/2014 10:10 10/8/2014 14:15 FC rec'd at 12.2 deg	Sample Collected By: Sample Received by: C	RS Amy Jo	·
Parameter: Solids, Settleable Total Suspended Solids	Test Result Units < 0.1 mL/L 6 mg/L	Test Method T SM20 2540F 10 SM20 2540 D 10,	est Date Test Time T 0/8/2014 15:15 /13/2014	ecn** SW LM



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Office And	ers Office		
Client: City of Kingston Englie Attn: Alan Adin 420 Broadway Kingston	NY 12401	PO #	
Order ID: 125179 San	nple Number: 224116		
Sample Location:	Site #5, grab		
Date/Time sample collected:	10/8/2014 10:18	Sample Collected By: RS	
Date/Time samples received:	10/8/2014 14:15	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 14.4 deg C		
	Test Result Units	Test Method Test Date Test T	me Tech**
Parameter:	< 0.1 mL/L	SM20 2540F 10/8/2014 15	:15 SW
Solids, Settleable	18 mg/L	SM20 2540 D 10/13/2014	LM
Order ID: 125179 Sa	mple Number: 224117		
Sample Location:	Site #6, grab	Comple Collected By: BS	
Date/Time sample collected:	10/8/2014 10:07	Sample Collected by: No	
Date/Time samples received:	10/8/2014 14:15	Sample Received by. Any co	
Sample Comment:	FC rec'd at 12.1 deg C		
Parameter	Test Result Units	Test Method Test Date Test 1	ime lech
Solids Settleable	< 0.1 mL/L	SM20 2540F 10/8/2014 1	5:15 500
Total Suspended Solids	5 mg/L	SM20 2540 D 10/13/2014	LIVI
	male Number: 224118		
Order ID: 1251/9 Sa	Site #7 grab		
Sample Location:	10/9/2014 10:50	Sample Collected By: RS	
Date/Time sample collected:	10/8/2014 14:15	Sample Received by: Amy Jo	
Date/Time samples received:	EC rec'd at 8 0 deg C		
Sample Comment:		Test Method Test Date Test	Time Tech**
Parameter:	Test Result Units	SM20 2540F 10/8/2014	15:15 SW
Solids, Settleable	< 0.1 mL/L	SM20 2540 D 10/13/2014	LM
Total Suspended Solids	2 mg/L	5IVIZU 2040 D 10/10/2017	
Order ID: 125179 S	ample Number: 224119		
Sample Location:	Duplicate, Site #4, gr	ab	
Date/Time sample collected:	10/8/2014 10:10	Sample Collected By: RS	
Date/Time samples received:	10/8/2014 14:15	Sample Received by: Amy Jo	
Sample Comment:	FC rec'd at 13.4 deg	C	
	Test Result Units	Test Method Test Date Test	Time Tech**
	<0.1 mL/L	SM20 2540F 10/8/2014	15:15 SW
Solids, Semieable	5 ma/l	SM20 2540 D 10/13/2014	LM
Total Suspended Solids	5 mg/c		



ENVIRONMENTAL TESTING 4 SCENIC DRIVE & RT. 9 HYDE PARK, NEW YORK 12538 (845) 229-6536

CERTIFICATE OF ANALYSIS

Client:	City of Kingston Enginee Attn: Alan Adin 420 Broadway Kingston	rs Office NY	12401		PO	#	
Order ID Sample Date/Tin Date/Tin Sample	: 125179 Sam Location: ne sample collected: ne samples received: Comment:	ple Number: Blank-QC 10/8/2014 10/8/2014 100 mL buff	224128 15:20 15:20 fered rinse	Sample Collecter Sample Received water used	d By: d by: Amy	a Jo	
Paramet Solids, S Total Su Results	ter: Settleable spended Solids Comment:	Test Result < 0.1 < 1	Units mL/L mg/L	Test Method SM20 2540F SM20 2540 D	Test Date 10/8/2014 10/13/2014	Test Time 15:15	Tech** SW LM

Reviewed by: Laboratory Manager, ELAP Lab ID #10924

28-Oct-14

Key: < = less than; A=Analysis performed over holding time; C=degrees Celsius; B=BOD blank depletion was greater than 0.2 mg/L; D=Elevated reporting limit; Est=Estimated Value; H=Sample received over analysis holding time; J=Result estimated below quantitation limit; MCL=New York State Maximum Contaminant Level; MDL=Method Detection Limit; mg/kg=milligrams per kilogram dry weight; mg/L=milligrams per Liter; mL/L=milliliters per Liter; ND=Not Detected; NTU=Nephelometric Turbidity Units; PtCo=Platinum Cobalt Units; Q=Not all QC data met acceptance criteria; SI = Saturation Index; SU=Standard pH Units; TON=Threshold Odor Number at 44.5 degrees C; ug/L-micrograms per Liter; umho/cm=micromhos per centimeter; V=Value above quantitation range; *ELAP/NELAC does not offer certification for this analyte; **ELAP ID is listed for sub-contract laboratory

Smith Laboratory is approved as an Environmental Testing Laboratory in conformance with the National Environmental Laboratory Accreditation Conference (NELAC) Standards. This test report pertains only to the above items analyzed on this sample as received by the laboratory. Information supplied by the client is assumed to be correct.

Total number of pages in this report, including chain of custody, is $_$

Data O	4	sview: Mgr	, 2/14 Data Re	of Custody Rev. 4	aboratory Chain	Smith				Ô		Other
											niof: NA Yes N	Chemical Preserva
					ents:	Comm				ng requirements	I met the followin	Sample(s) received
Time:	11/8	Date: 10/	(AB)		By:	ived at Lab	Recei		K	Josliph	d By: A-1	Sample Relinquishe
Time:	4	Date: 10/8	lel	aller Ca	D. Jo-	ived By:	nt arrangen Recei	cr payme	r, unless oth	m responsible for paymer	Iso affirm that I ar	my knowledge. I al
nplete to	e and con	formation above is tru	[hereby affirm that the in	the by Smith I about	upinster	(Title)			Sol	oh Swei	o) (Jul	Sampled By: (Nam
119 12	I	I-ILPLAS I-1/2 L PLAS	0	10100 TSS	1			×	WS	m	DUPLICATE	
3.5/9.		1-112 L PLAS	0	0.504 TSS	7			×	SW		SITE #7	Nu li la
00		1-11/PLAS 1-1/2 L PLAS		18/14 SS	./0			×	SW		SITE #6	DU ILI NO
2/12.0		I-ILPLAS I-1/2 L PLAS		8/14 SS	1			×	SW		SITE #5	and cited
1/2		I-ILPLAS I-1/2 L PLAS		VEINA SS	10			×	SW		SITE #4	2 July va
18/e.8		1-112 L PLAS		0.02 A TSS	10			×	SW		SITE #3	AUCH HO
14/73	-	1-1LPLAS 1-1/2 L PLAS		AJIY SSA TSS	10			×	SW		SITE #2	AN CIT NUC
30/8	K	I-ILPLAS I-I/2 L PLAS		ALLES A TSS	10			×	SW		SITE #1	Sample No.
DegC			Nednesten	Sampled	Type & Residual	First	Comp # hrs	Grat	Matriy	ample Point	S	LIJCPI
Sample Temp,	Y I Ceed	Container &	Analysis	Date/Time	Treatment [)ne)	(Check C			e Identification &	Sample	Order ID No:
USE C	LAB		ROVIDED BELOW	IE SPACE PI	TION IN TH	FORMA	PLE IN	E SAM	ETE TH	CLIENT: COMPI		TAR LICE ONLY
		D No: NY-	PWS Fed II	SWENSON	fo:_RALPH	/ Report]	Сору			N, NY 12401	KINGSTO	
		cation:	Lo	gston-ny.gov_	aadin@kin	t Email:	Clier			DWAY	: 420 BROA	Mailing Address
CREE	DOUT	llity Name: _RON	Project/Faci	1-3968	No: _845-334	it Phone Y	Clier	8		NGSTON	CITY OF KIN	Client Name:
		Pmt Meth Receipt N	1º#	py results to cal Health Dep ts No	<u>ኛ ሮ ଓ</u>		olies)	fard V	ne: Stan sh surcha requested	Turnaround Ti <i>RUSH</i> (Ru ** Date report	12538-1313 -6536 -6538	4 Scelic Live Hyde Park, NY Phone: 845-229 Fax: 845-229
v.		Amt Due:			IL COST	AIN	Сн				ATORY	SMITH LABOR
MADAL	riew:	Login Re		NNV	E CIICT							