

2020 Annual Federal Groundwater Monitoring and Corrective Action Report

Indian River Generating Station Industrial Waste Facility

Prepared for:

Indian River Generating Station
Indian River Power LLC

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Overview

The Indian River Power, LLC 2020 Federal Annual Groundwater Monitoring and Corrective Action Report has been prepared for the Indian River Generating Station Phase II Coal Ash Landfill to comply with Federal regulations and amendments. The purpose of this report is to document the status of the groundwater monitoring and corrective action program for the Indian River Coal Ash landfill.

This overview of the 2020 groundwater monitoring period is provided in accordance with the revised requirements under Section 257.90(e)(6). Each required item is discussed separately below.

- Section 257.90(e)(6)(i) – At the start of the current monitoring period, the subject CCR unit was operating under the detection monitoring program outlined in Section 257.94.
- Section 257.90(e)(6)(ii) – At the end of the current monitoring period, the subject CCR unit is continuing to operate under the detection monitoring program outlined in Section 257.94.
- Section 257.90(e)(6)(iii) – Statistically significant increases (SSIs) above established background for Appendix III detection monitoring constituents were not noted during this monitoring period.
- Section 257.90(e)(6)(iv) – The subject unit is not under assessment monitoring because there were no SSIs above established background for Appendix III detection monitoring constituents during this monitoring period.
- Section 257.90 (e)(6)(v) – No remedy, nor a date of remedy selection (pursuant to Section 257.97) was required during this monitoring period because the program remains in detection monitoring
- Section 257.90 (e)(6)(vi) – Remedial activities were not initiated, nor are ongoing (pursuant to Section 257.08) during this monitoring period because the program remains in detection monitoring,

1.0 INTRODUCTION

1.1 Compliance With Federal Regulations

This 2020 Federal Annual Groundwater Monitoring and Corrective Action Report has been prepared for Indian River Power, LLC (facility) to comply with the Federal Regulations Part 257 Subpart D -Standards for the Disposal of Coal Combustion Residuals (CCRs) in Landfills and Surface Impoundments Groundwater Monitoring and Corrective Action, 257.90 (e) Annual groundwater monitoring and corrective action report (Federal Register Vol. 80, No. 74, dated April 17, 2015 page 21483, amended Federal Register Vol. 83, No. 146 dated July 30, 2018, amended Federal Register Vol. 85, No. 168, dated August 28, 2020) requirements for the Indian River Generating Station Phase II Coal Ash Landfill. The purpose of this report is to document the status of the groundwater monitoring and corrective action program for the CCR landfill, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year" (Fed. Reg. 257.90 (e)). This report includes a description of the site, groundwater monitoring program, key actions completed in 2019 along with any issues, and key activities for 2020.

Federal Regulations 257.105 (h), 257.106 (h) and 257.107 (h) also require the facility to post this annual report to the facility record by January 31, 2021, notify the State of Delaware Department of Natural Resources and Environmental Control (DNREC) that this report has been placed in the operating record and post this annual report to the facility operating record within 30 days.

Part 90 new amended version section 90 applicability

1.2 Site Background

The coal ash landfill (landfill) has operated in accordance with permits issued by DNREC for over 40 years, with the current being Permit SW-12/01 (last modified March 9, 2018) for operating an industrial waste landfill. This permit includes a rigorous groundwater monitoring program requirement with which the facility is compliant. The USEPA Part 257 regulations regarding CCR disposal units became effective Oct 19, 2015 and contain substantially equivalent obligations, some of which currently are not fully synchronized with the existing DNREC program. It is anticipated that these differences will be resolved in the future into a combined state/federal program that includes permit conditions similar to those currently in place.

Groundwater has been monitored at the landfill site for 39 years and there is a substantial body of data for many of the parameters; however, only dissolved metal analyses were performed on field filtered samples through the April 2015 sampling event. Beginning with the October 2015 sampling event, the analytical testing methods were changed to total analyses to comply with federal regulations and to obtain a minimum of eight background samples and additional parameters needed to make the demonstrations required in Federal Regulations Part 257.94 (Detection Monitoring Program).

2.0 SITE DESCRIPTION

The landfill is located within the 1200-acre facility property near the town of Dagsboro, in Sussex County, Delaware. Non-hazardous CCRs that result from burning coal at the Indian River Generating Station (station) are disposed in the landfill, located about one-half mile south of the station. The landfill is separated from the generating station property area by Island Creek as shown on Figure 1.

The station has operated four generating units with nominal capacities of 90, 90, 165 and 424 megawatts (Units 1 through 4 respectively). The station generating capacity was developed between 1957 (Unit 1) and 1980 (Unit 4). Units 1 through 3 have been retired from service. Unit 4 currently operates intermittently. During 2018, 2019 and 2020, Unit 4 operated at about a capacity factor of 8%, 3.4% and 2.4%, respectively. The station produces CCRs that include fly ash, bottom ash, and a flue gas desulfurization (FGD) byproduct. The CCRs are removed from the power plant and hauled to the on-site landfill for disposal. The CCR may be beneficially used as regional project become available but this is an extreme rarity.

The landfill consists of two distinct disposal areas (Phase I and Phase II). Construction of the 43.8-acre Phase I landfill was initiated in 1979 and disposal commenced in 1980. Waste materials disposed in the Phase I landfill include primarily fly ash and bottom ash and, to a lesser extent, wastewater treatment sludge, coal pile runoff sump area sludge, coal pyrites and cooling tower sediment sludge. The Phase I landfill as formally closed in 2011 with the completion of a cover system that consists of a geosynthetic membrane with a vegetated soil cover. DNREC approved the Phase I closure on October 14, 2014. The Phase I landfill is currently in post closure care and ceased receiving CCR waste prior to the April 17, 2015 effective date of the Federal CCR rule. Therefore, the Federal CCR Regulations do not apply to the Phase I landfill.

The Phase II landfill, contiguous to and immediately west of the Phase I landfill, is constructed with a liner system that meets Federal Regulation 257.71. Construction of the Phase II landfill is currently active and consists of two lined cells (Cell 1 is to the south and Cell 2 to the north) with a total area of 26 acres. Cell 1 is approximately 12 acres. Cell 2 is approximately 14 acres. The eastern 6.2 acres of the Phase II landfill is built over, or piggy-backs, the western slope of the Phase I landfill with its liner system separating the two phases of disposal. Cell 1 construction began in 2009 and began receiving waste in 2010. Cell 1 is currently used as a reserve disposal area. Cell 2 construction began in 2012 and began receiving waste in 2014.

Maximum design elevation of both Phase I and Phase II is 100 feet MSL. Only non-hazardous CCR wastes consisting of coal fly ash, bottom ash, FGD byproduct; or DNREC special wastes are permitted to be disposed of in the Phase II landfill in accordance with the current DNREC permit.



The Phase II landfill liner system has a geosynthetic membrane and a leachate collection system. Leachate collected in Cell 1 is transported via gravity to a collection sump on the south side of the landfill where it is then pumped to leachate holding tanks located approximately 1,700 ft west of the landfill. Leachate collected in Cell 2 flows by gravity to a collection sump on the north side of the landfill where it is then pumped to the leachate holding tanks. Other integral components of the CCR unit shown on Figure 1 include:

- Two sedimentation basins (the North and Southwest Sedimentation Basins) collect surface water runoff from the landfill and prevent or minimize the flow of turbid water into Island Creek. These sedimentation basins are not CCR impoundments.
- The North Sedimentation Basin has two interior bermed areas (east and west forebays) near the points of inflow into the basin. These interior bermed areas are approximately 150 x 150 ft square, each, and about five feet high. They are used to contain the distribution of sediments within the basin and facilitate clean out. Sediments are cleaned out from this interior basin, as needed.
- Haul roads used for transporting CCRs from the plant to the landfill.
- Surface water monitoring location and stream gauging station used for monitoring surface water quality in Island Creek.
- The groundwater monitoring and observation wells are used to measure water levels and select wells are sampled to monitor upgradient and downgradient groundwater water quality.
- Production wells used by the plant to generate water for various industrial purposes (e.g., primarily cooling water and to provide dust control water used at the landfill).
- Leachate Holding Tanks contain leachate pumped from the leachate collection sumps.

2.1 Site Geology

Geologically, southern Delaware is situated in the Coastal Plain physiographic province, a wedge-shaped deposit of alternating layers of sand and clay that overlies crystalline basement rocks and increases in thickness to the southeast where it reaches a thickness of 15,000 feet (Woodruff, 1977). A surficial blanket of sand, typically on the order of 100 feet in thickness, overlies much of the state and supports an unconfined aquifer below which the deeper confined units subcrop in sequence to the northwest. It is this surficial unit that supports the uppermost aquifer at the landfill and towards which the groundwater monitoring efforts are directed. The unconfined aquifer consists of channel-fill sands in northern Delaware south of the Piedmont Province and of a broad sheet of sand across central and southern Delaware. The saturated thickness of the aquifer ranges from a few feet in much of northern Delaware to more than 180 feet in southern Delaware (USGS, 2017).

The geology at the landfill, as described in "Hydrogeologic Studies - 1984 Update," prepared by Michael Baker, Jr., Inc. (Michael Baker), 1984, is as follows:

- The disposal site is underlain by the Columbia sand deposits (Pleistocene age) which blanket the entire central and southern portions of the State. These deposits range in the thickness from less than 50 to over 125 feet in southern Delaware (Johnston, 1972) and are comprised of predominantly medium-grained sand with varying mixtures of silt and gravel. In the landfill area, the Columbia deposits are approximately 100 to 110 feet thick and have been found to consist of relatively homogeneous sand throughout their entire thickness. The Columbia deposits are generally classified as either SP-SM or SW-SM soils according to the Unified Soil Classification System which translates to moderately well-to-poorly sorted sand with minor amounts of silt.
- Relatively deep test wells drilled for water production (wells A and B), a few hundred feet southwest of the Phase II Landfill (see Figure 1), encountered lenses or pockets of green silty clay interspersed with coarse sand below 110 feet (Gilbert Associates, Inc., 1980). These lenses have been assumed to mark the upper boundary of Miocene-age sediments at the site. The Miocene sediments generally consist of sand units interbedded with silty clay layers. According to Johnston (1972), the Miocene sands may directly underlie Pleistocene sands, making differentiation between the two difficult. Thus, some of the upper Miocene sands may have been identified at the site as Columbia deposits. However, it is apparent that silty clay is present below an elevation of approximately -75 to -90 ft msl at the site area.

2.2 Site Hydrogeology

Hydrologically the landfill is underlain by the shallow unconfined Columbia aquifer which constitutes the uppermost aquifer, extending to a depth greater than 100 ft. The silty clay layers at the top of the Miocene sediments may act as a lower confining unit or aquitard. The groundwater monitoring wells are screened in the Columbia aquifer. Water level measurements are typically collected from all groundwater monitoring and observation wells during each groundwater monitoring sampling event to collect elevation data for determining groundwater flow directions.

The overall groundwater flow direction for the Phase II Landfill is predominately north to northeast, based on groundwater contours developed from all the shallow groundwater wells at the site from previous sampling events.

3.0 GROUND WATER MONITORING

The groundwater monitoring system for the landfill was developed progressively beginning in 1981 and has included monitoring points utilizing piezometers, production wells and monitoring wells. Water levels have been measured in most of these wells on a quarterly or semi-annual basis for the entire 39-year period of record.

The existing groundwater monitoring system has a network of 34 monitoring wells, six production wells and three observation wells (for monitoring water levels only). The current list of all wells at the site is presented in Attachment A with the coordinate locations provided in Attachment B. The groundwater monitoring system is shown on Figure 1. Under the current DNREC permit, all the shallow monitoring and observation wells are used for water level measurements to determine the overall site hydraulic gradients in the upper aquifer but only select monitoring wells are used for groundwater quality sampling to comply with the permit and Federal Regulations, as described below. Groundwater contour maps of the shallow monitoring wells prepared for each sampling event are included in the event sampling reports and annual reports submitted to DNREC.

For the federal regulations, it is required that a detection groundwater monitoring system be established for the Phase II landfill. In accordance with federal regulation Part 257.91, a minimum of one background well and three downgradient wells for this detection groundwater monitoring system are required. A detection monitoring system was established in October 2017 by NRG to comply with the Federal Regulations by the report "Detection Groundwater Monitoring System Compliance Report Detection Groundwater Monitoring System Coal Combustion Residuals Landfill Indian River" (October 2017). The detection groundwater monitoring system established by this report includes a subset of the existing monitoring system described above with emphasis on monitoring groundwater quality associated with the Phase II landfill. These detection groundwater monitoring wells are listed in Table 1 and locations shown on Figure 2.

Table 1 – Phase II Landfill Detection Monitoring Wells

Well	Location	Comment
106R	Upgradient	background
105A	Upgradient	background
104	Upgradient	background
P-3R	side gradient	background
102A	downgradient - landfill boundary	release detection
327A	downgradient - landfill boundary	release detection
103A	downgradient - landfill boundary	release detection
319A	downgradient - landfill boundary	release detection
328A	downgradient - supplemental	release detection - beyond boundary
326D	downgradient - supplemental	release detection - beyond boundary



FIGURE 2
Indian River Power Plant
 Sussex County, DE.
 Coal Ash Landfill
Phase II Detection Wells
 Groundwater Monitoring System

The Phase II landfill detection groundwater monitoring system includes four background wells (104, 105A, 106R and P-3R), located upgradient of the landfill; four release detection wells (102A, 103A, 327A and 319A) situated downgradient of the landfill boundary (compliant with the Part 257 mandate for a minimum of three release detection wells); and, two supplementary downgradient wells (326D and 328A) to assist with release detection farther downgradient from the landfill boundary and the north sedimentation basin.

The 2020 analytical results are provided in Attachment C – Groundwater Quality Data and include fifteen groundwater quality monitoring sampling events from October 2015 through October 2020. These groundwater quality monitoring sampling events from October 2015 through September 2017 were used to establish background groundwater conditions for the landfill detection and assessment monitoring. A background report (“Indian River Generating Station Industrial Waste Facility Background Report Groundwater Monitoring Program”, November 2017) for groundwater using these groundwater quality monitoring sampling events was prepared and submitted to DNREC to be compliant with the landfill permit and federal regulations. This report developed the comparison values or comparison range (as is the case for pH) from the parameters MCLs, SMCLs and background threshold values.

The comparison values used to evaluate the 2020 analytical results are provided in Table 2. While there is additional water quality data dating back to 1983 for some wells, only the analytical data collected since October 2015 for the detection monitoring water quality monitoring required by the Federal Regulations Part 257 Subpart D is provided in this report Attachment C.

The detection monitoring system groundwater monitoring wells were sampled semi-annually in June for the April sampling event and October during the year 2020. The collection of samples in June (for the April event) was due to State mandated COVID 19 restrictions that prohibited the sampling to be performed prior to June 2020. Groundwater samples from these wells were analyzed for the Federal Regulation Appendix III to Part 257 - Constituents for Detection Monitoring that include boron, calcium, chloride, fluoride, pH, sulfate and total dissolved solids, along with additional DNREC required parameters (not listed). Each of the Detection Monitoring Parameter results are discussed in the following sections.

3.1 Boron

Boron was analyzed at both the April and October 2020 sampling events at the groundwater quality monitoring wells. There are no drinking water standards (MCL or SMCL) for boron. The background threshold value for Boron is 24.3 mg/l.

For 2020, boron was not detected at any of the upgradient groundwater quality monitoring wells with all reported concentrations less than the minimum detection limit of 0.11 mg/l.

Table 2 – Phase II Landfill Federal Detection Monitoring Parameters and Comparison Values

Parameter	Comparison Values
pH (standard units)	4.5-8.5
Boron (mg/L)	24.3
Calcium (mg/L)	309
Chloride (mg/L)	453
Fluoride (mg/L)	4
Sulfate (mg/L)	1,350
Total Dissolved Solids (mg/L)	2,570

The downgradient groundwater quality monitoring well boron concentrations ranged from below the minimum detection limit of 0.11 mg/l at wells 102A and 319A, to 6.2 mg/l at well 328A (October event) for the 2020 groundwater quality monitoring sampling events.

The 2020 groundwater water quality upgradient and downgradient concentrations for boron were less than the background threshold value. Boron was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.2 Calcium

Calcium was analyzed for the April and October 2020 sampling events at the groundwater monitoring wells. There are no drinking water standards (MCL or SMCL) for calcium. The background threshold value for calcium is 309 mg/l.

Upgradient calcium concentrations for the 2020 groundwater quality monitoring sampling events ranged from 1.7 mg/l at well 105A (April event) to 3.2 mg/l at well P-3R (April event).

The 2020 calcium concentrations for the downgradient wells ranged from 14.3 mg/l in well 102A (October event) to 133 mg/l at well 328A (October event).

The 2020 groundwater water quality upgradient and downgradient concentrations for calcium were less than the background threshold value. Calcium was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.3 Chloride

Chloride was analyzed for the April and October 2020 sampling events at the groundwater monitoring wells. There are no drinking water standards (MCL or SMCL) for chloride. The background threshold value for chloride is 453 mg/l.

Upgradient chloride concentrations for the 2020 groundwater quality monitoring sampling events ranged from 10.1 mg/l at well 106R (April and October events) to 43.8 mg/l at well 104 (October event).

Downgradient chloride concentrations for the 2020 groundwater quality monitoring sampling events ranged from 5 mg/l in well 319A (October event) to 219 mg/l at well 328A (October event).

The 2020 groundwater water quality upgradient and downgradient concentrations for chloride were less than the background threshold value. Chloride was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.4 Fluoride

Fluoride was analyzed for the April and October 2020 sampling events at the groundwater monitoring wells. There MCL and SMCL drinking water standards of 4.0 mg/l and 2 mg/l, respectively for fluoride. The background threshold value for fluoride is 0.38 mg/l. The comparison value for fluoride is 4 mg/l.

Upgradient fluoride concentrations for the 2020 groundwater quality monitoring sampling events were not detected greater than 0.20 mg/l.

Downgradient fluoride concentrations for the 2020 groundwater quality monitoring sampling events ranged from <0.2 mg/l in wells 102A, 103A, 319A, 326D and 328A (April and October events) and 327A (October event) to 0.2 mg/l at well 327A (April event).

The 2020 groundwater water quality upgradient and downgradient concentrations for fluoride were less than the MCLs, SMCLs and background threshold values. Fluoride was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.5 pH

pH was measured for the April and October 2020 sampling events at the groundwater monitoring wells. There are SMCL drinking water standards for pH that range from 6.5 standard units (s.u.) to 8.5 s.u. The background threshold value for pH ranges from 4.5 s.u. to 7.0 s.u. The comparative range for pH is 4.5 s.u. to 8.5 s.u.

Upgradient pH measurements for the 2020 groundwater quality monitoring sampling events ranged from 4.51 s.u. at well 104 (April event) to 6.2 s.u. at well 105A (October event).

Downgradient pH measurements for the 2020 groundwater quality monitoring sampling events ranged from 4.87 s.u. at well 327A (April event) to 7.39 s.u. at well 326D (October event).

The 2020 groundwater water quality upgradient and downgradient concentrations for pH did not exceed the comparative range upper (8.5 s.u.) or lower (4.5 s.u.) values. pH was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.6 Sulfate

Sulfate was analyzed for the April and October 2020 sampling events at the groundwater monitoring wells. There is a SMCL drinking water standard of 250 mg/l for sulfate. The background threshold value for sulfate is 1,350 mg/l. The comparison value for sulfate is 1,350 mg/l.

Upgradient sulfate concentrations for the 2020 groundwater quality monitoring sampling events ranged from 6.0 mg/l at well 105A to 16.3 mg/l at well 104.

Downgradient sulfate concentrations for the 2020 groundwater quality monitoring sampling events ranged from 5.7 mg/l at well 102A (October event) to 416 mg/l at well 328A (April and October events).

The 2020 groundwater water quality upgradient and downgradient concentrations for sulfate were less than the comparison value. Sulfate was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.7 Total Dissolved Solids

Total dissolved solids were analyzed for the April and October 2020 sampling events at the groundwater monitoring wells. There is a SMCL drinking water standard of 500 mg/l for total dissolved solids. The background threshold value for total dissolved solids is 2,570 mg/l. The comparison value is 2,570 mg/l.

Upgradient total dissolved solid concentrations for the 2020 groundwater quality monitoring sampling events were detected at less than 25 mg/l at well 105A (April event) to 200 mg/l at well 104 (April event).

Downgradient total dissolved solid concentrations for the 2020 groundwater quality monitoring sampling events ranged from 72 mg/l at well 319A (October event) to 1120 mg/l at well 328A (October event).

The 2020 groundwater water quality upgradient and downgradient concentrations for total dissolved solids were less than the comparison value. Total dissolved solids was not detected at a concentration that results in a statistically significant increase for the year 2020.

3.8 2020 Groundwater Analytical Results Summary

Comparison of 2020 groundwater sampling analytical results to the comparison values (includes the MCLs, SMCLs and background threshold values) demonstrate that the 2020 detection monitoring parameters were not statistically significant because the groundwater analytical results were below or within (as is the case for pH) the comparison values.

Since a statistically significant difference was not identified from the 2020 groundwater monitoring events, the landfill groundwater monitoring program continues to remain in detection monitoring.

4.0 KEY ACTIONS COMPLETED IN 2020

The key actions completed during 2020 include the following items:

- Posting by NRG of the 2019 Annual Federal Annual Groundwater Monitoring and Corrective Action Report to the facility operating record by January 31, 2020.
- Providing written notification from NRG to DNREC on February 5, 2020 that the 2019 Annual Federal Annual Groundwater Monitoring and Corrective Action Report has been placed in the facility operating record.
- Completing the semi-annual groundwater quality sampling events in June (April event) and October 2020.
- Evaluating the April and October groundwater monitoring events and concluding that these events are not statistically significant.

5.0 DESCRIPTION AND RESOLUTION OF ISSUES

For 2020, there was one minor issue that was resolved. The issue was that the April 2020 sampling event was postponed to June 2020 because of COVID 19 health concerns.

6.0 KEY ACTIVITIES FOR THE YEAR 2020

Key activities for 2020 to comply with the federal regulations include performing semi-annual (April and October 2020) detection monitoring groundwater sampling events, evaluating the sampling events results for statistical significance and preparing the 2020 annual report. Future activities associated with the 2020 annual report include posting the annual report to the facility operating record by January 31, 2021, posting the annual report to the facility website, and notifying DNREC that the annual report has been placed accordingly.

7.0 REFERENCES

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ATTACHMENT A
Groundwater Well Elevation Tables

ATTACHMENT A Groundwater Well Elevation Tables

Well	Top of PVC Casing Elevation ¹ (NAVD 88) (feet)	Ground Surface Elevation ¹ (NAVD 88) (feet)	Screen Elevation (NAVD 88) (feet)		Monitoring Zone ³
			Top ²	Bottom ²	
Production and Observation Wells					
A	25.2 ⁴	23.4 ⁴	-66.6 ⁴	-86.6 ⁴	Very Deep (Production Well)
1A	26.2	23.1	-71.7	-76.7	Very Deep (Observation Well)
1B	28.8	25.7	-71.5	-76.5	Very Deep (Observation Well)
B	20.1 ⁴	19.5 ⁴	-90.5 ⁴	-110.5 ⁴	Very Deep (Production Well)
2A	20.7	18.5	-71.5	-81.5	Very Deep (Observation Well), Abandoned 04/05/16
2B	22.9	20.0	-62.4	-72.4	Very Deep (Observation Well)
C	NA	8.2 ⁴	-191.8 ⁴	-251.8 ⁴	Very Deep Miocene Sediments (Production Well)
E	NA	NA	NA (-70') ⁵	NA (-90') ⁵	Very Deep (Production Well), Abandoned 10/11/07
F	13.3 ⁴	11.8 ⁴	-24.4 ⁴	-67.4 ⁴	Deep (Production Well) (estimated elevations)
G	NA	NA	NA (-192') ⁵	NA (-252') ⁵	Very Deep Miocene Sediments (Production Well)
H	NA	NA	NA (-187') ⁵	NA (-197') ⁵	Very Deep Miocene Sediments (Production Well)
Upgradient and Side Gradient Wells					
104	15.0	13.0	-7.0	-17.0	Shallow
105A	18.2	16.9	-34.5	-44.5	Deep
105B	18.9	17.0	-15.3	-25.3	Intermediate, Abandoned 6/29/16
105BR	18.9	16.6	-13.4	-23.4	Intermediate, Installed 6/30/16
105C	19.4	16.9	-2.3	-12.3	Shallow
106	16.4	13.7	-3.7	-13.7	Shallow, Abandoned 6/28/16
106R	16.0	13.7	-6.3	-16.3	Shallow, Installed 6/30/2016
107A	20.7	19.7	-31.2	-41.2	Deep
107B	21.3	19.7	-15.8	-25.8	Intermediate
107C	21.4	19.7	-0.5	-10.5	Shallow
108	24.6	23.2	-2.3	-12.3	Shallow
109	17.3	14.5	-3.3	-13.3	Shallow
325	22.8	22.0	15.4	-1.1	Shallow
P-1	NA	NA	NA (4') ⁵	NA (14') ⁵	Very Shallow piezometer, Abandoned 9/29/10
P-1R	14.4	10.7	-2.1	-12.1	Shallow well
P-2	13.9	11.5	7.7	-2.3	Very Shallow piezometer
P-3	NA	NA	NA (4') ⁵	NA (14') ⁵	Very Shallow piezometer, Abandoned 9/29/10
P-3R	15.7	12.7	-4.4	-14.4	Shallow well

(Table continued on the following page.)

ATTACHMENT A Groundwater Well Elevation Tables (Continued)

Well	Top of PVC Casing Elevation ¹ (NAVD 88) (feet)	Ground Surface Elevation ¹ (NAVD 88) (feet)	Screen Elevation (NAVD 88) (feet)		Monitoring Zone ³
			Top ²	Bottom ²	
Downgradient Wells					
101A	11.2	10.0	-33.6	-43.6	Deep
101B	11.9	10.0	-15.7	-25.7	Intermediate
101C	12.0	10.3	-2.7	-12.7	Shallow
102A	13.8	12.4	-35.3	-45.3	Deep
102B	14.3	12.5	-16.4	-26.4	Intermediate
102C	14.7	12.3	-5.1	-15.1	Shallow
103A	24.4	22.3	-30.6	-40.6	Deep
103B	23.6	21.7	-19.7	-29.7	Intermediate
103C	23.2	21.7	<i>-3.9</i>	<i>-13.9</i>	Shallow
103CR	20.9	17.8	-5.8	-15.8	Shallow
319A	9.1	6.9	-3.5	-13.5	Shallow
326A	NA	NA	NA (2') ⁵	NA (12') ⁵	Very Shallow (Abandoned 10/14/99)
326B	11.1	9.4	-3.0	-13.0	Shallow
326C	11.8	9.4	-19.7	-29.7	Intermediate
326D	11.9	9.2	-27.4	-37.4	Deep
327A	15.9	12.8	-35.6	-45.6	Deep
327B	13.4	10.9	-23.8	-33.8	Intermediate
327C	12.8	10.2	-8.5	-18.5	Shallow
328A	10.8	8.8	-38.2	-48.2	Deep
328B	12.1	9.4	-20.0	-30.0	Intermediate
328C	12.5	10.2	-5.3	-15.3	Shallow

Notes: NA = Information not available for inclusion in report.

¹Elevations based on 2015 and 2016 Survey. Elevations from the 2016 survey include wells 105BR, 106R, 2B, and 109 that are shown in italics.

²Bottom of well screen assumed to be at bottom of well based on field observations/measurements post 2015/2016 outer protective steel casing replacements. The elevation of the top of the well screen estimated from bottom of well elevation and length of well screen on boring logs. Screen elevations shown in italics have been revised based on measurements taken immediately after April 2016 well development.

³The zones monitored by the well screen are installed in the Pleistocene Columbia deposits unless noted otherwise as being in the very deep Miocene sediments. The monitoring zone column describes the well screen position (very shallow, shallow, intermediate, deep or very deep) relative to the location of the other well screens within the clusters.

⁴Elevations for Production Wells A, B, C, and F are provided for comparison purposes only as they are based on the erroneous 2010 survey which may differed from 2015 survey by as much as three feet.

⁵Elevations are not available for production wells E, G, and H, and wells 326A, P-1, and P-3, so depths of well screen from ground surface are shown in parentheses for relative comparisons.

ATTACHMENT B
Well Location Table

ATTACHMENT B Well Location Table

Well ID	Easting NAD83 (feet)	Northing NAD83 (feet)	Reference
Prod. Well A	705642.953	209037.060	McCrone 2010 Survey, elevations "for top of concrete
Prod. Well B	706142.961	208,996.202	McCrone 2010 Plant Grid (5/15/11)
Prod. Well C	706926.347	212810.967	McCrone 2010 Plant Grid (5/15/11)
Prod. Well E	#N/A	#N/A	Abandoned 10/11/2007
Prod. Well F	706909.894	211502.517	McCrone 2010 Plant Grid (5/15/11)
Prod. Well G	707145.299	212789.706	Google Earth (1/19/21)
Prod. Well H	707612.339	212992.969	Google Earth (1/19/21)
1A	705654.330	209131.461	McCrone 9/9/2015 Survey
1B	705667.454	209230.543	McCrone 9/9/2015 Survey
2A	706149.497	209090.921	McCrone 9/9/2015 Survey (abandoned 04/05/16)
2B	706155.361	209190.259	McCrone 07/2016 Survey
101A	706648.862	211882.885	McCrone 9/9/2015 Survey
101B	706637.978	211877.451	McCrone 9/9/2015 Survey
101C	706628.574	211875.364	McCrone 9/9/2015 Survey
102A	708275.362	212242.133	McCrone 9/9/2015 Survey
102B	708264.512	212241.292	McCrone 9/9/2015 Survey
102C	708253.234	212242.731	McCrone 9/9/2015 Survey
103A	709630.813	211645.513	McCrone 9/9/2015 Survey
103B	709618.546	211647.772	McCrone 9/9/2015 Survey
103C	709608.631	211647.253	McCrone 9/9/2015 Survey
103CR	709594.078	211656.075	McCrone 9/9/2015 Survey
104	710234.982	210689.763	McCrone 9/9/2015 Survey
105A	709212.020	210257.751	McCrone 9/9/2015 Survey
105B	709224.095	210261.73	McCrone 9/9/2015 Survey (abandoned 6/29/2016)
105BR	709,225.553	210,257.516	McCrone 07/2016 Survey
105C	709230.794	210267.676	McCrone 9/9/2015 Survey
106	708265.760	209880.189	McCrone 9/9/2015 Survey (abandoned 6/30/2016)
106R	708267.073	209868.757	McCrone 07/2016 Survey
107A	706190.059	209589.995	McCrone 9/9/2015 Survey
107B	706188.923	209601.084	McCrone 9/9/2015 Survey
107C	706187.815	209611.923	McCrone 9/9/2015 Survey
108	706208.027	210040.75	McCrone 9/9/2015 Survey
109	707945.254	210506.808	McCrone 9/9/2016 Survey
319A	710201.904	211739.894	McCrone 9/9/2015 Survey
325	707081.014	209329.118	McCrone 9/9/2015 Survey

ATTACHMENT B
Well Location Table
(Continued)

Well ID	Easting NAD83 (feet)	Northing NAD83 (feet)	Reference
326A	#N/A	#N/A	Abandoned 10/14/1999
326B	709697.292	212086.202	McCrone 9/9/2015 Survey
326C	709708.835	212086.115	McCrone 9/9/2015 Survey
326D	709720.261	212086.081	McCrone 9/9/2015 Survey
327A	709158.941	211697.613	McCrone 9/9/2015 Survey
327B	709149.938	211695.368	McCrone 9/9/2015 Survey
327C	709144.259	211693.533	McCrone 9/9/2015 Survey
328A	709285.804	212121.045	McCrone 9/9/2015 Survey
328B	709288.328	212114.813	McCrone 9/9/2015 Survey
328C	709290.616	212108.119	McCrone 9/9/2015 Survey
P-1	#N/A	#N/A	Abandoned 9/20/2010
P-1R	707455.468	212093.161	McCrone 9/9/2015 Survey
P-2	706973.827	211506.723	McCrone 9/9/2015 Survey
P-3	#N/A	#N/A	Abandoned 9/20/2010
P-3R	707478.115	210685.095	McCrone 9/9/2015 Survey.

ATTACHMENT C
Phase II Landfill Groundwater Analytical Data

ATTACHMENT C

Phase II Landfill Groundwater Analytical Data

October 2015 to October 2020 Sampling Events for Wells:

102A
103A
104
105A
106/106R
319A
326D
327A
328A
P-3R

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/27/15	01/28/16	04/28/16	07/26/16	10/20/16	01/11/17	04/12/17	07/19/17	09/12/17	03/13/18	10/04/18	04/18/19	10/23/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well 102A		15102702	16012802	16042803	16072601	16102009	17011102	17041208	17071903	17091203	18031306	18100407	19041801	19102307
Alkalinity, Bicarbonate	mg/L CaCO ₃	11		13		11		12		10	20	13	12	17
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Arsenic, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L	0.11	0.11	0.12	0.11	0.11	0.12	0.12	0.12	0.12				
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Boron, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium	mg/L	10.2	9.9	10.7	10.8	11.3	10.6	10.6	10.7	10.5	10.8	11.8	12.5	13.3
Chloride	mg/L	15.8	13.5	14.4	13.6	14.8	13.9	14.6	14.4	14.2	13.6	15.1	20.3	17.7
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Cobalt, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056				
Dissolved Oxygen	mg/L	7.96	9.04	7.4	7.86	7.37	8.25	9.76	7.79	8.51	8.73	7.39	8.01	7.71
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067		<0.067		<0.067		<0.067		<0.067	<0.067	<0.067	<0.067	<0.067
Lead, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Lithium, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11				
Magnesium, Total	mg/L	2.3		2.4		2.6		2.5		2.4	2.5	2.7	2.9	3.1
Manganese, Total	mg/L	<0.0056		<0.0056		<0.0056		<0.0056		<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Molybdenum, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Oxidation-Reduction Potential	mV	224.6	135.4	195	80.3	178.5	227.3	126.8	82.3	136	140.3	193.6	200.9	136.5
pH	Std.	6.16	5.57	5.35	5.93	5.67	5.81	5.63	5.51	5.21	5.79	5.33	5.50	5.21
Potassium, Total	mg/L	2.8		2.9		3.0		2.9		2.6	2.7	3.0	3.1	3.1
Radium 226	pCi/L	0.167		0.000	0.652	0.237	0.000	0.979	0.000	0.0756				
Radium 228	pCi/L	0.761	0.415	0.115	1.26	0.814	0.181	0.354	0.299	0.430				
Radium 226 & 228 (combined)	pCi/L	0.9280	0.865	0.115	1.912	1.051	0.181	1.333	0.299	0.506				
Selenium, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Sodium	mg/L	13.6		13.5		14.5		14.3		12.7	13.6	14.6	15.3	15.4
Specific Conductance	µS/cm	154	155	161	148	153	146	158	159	161	170	166	189	219
Sulfate	mg/L	23.4	9.9	10	9.5	10.5	9.8	9.8	9.6	9.3	8.3	7.6	6.6	7.9
Temperature	°C	14.6	13.98	14.11	15.61	15.04	14.28	15.73	15.72	15.2	14.09	16.71	15.40	11.80
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Total Dissolved Solids	mg/L	87	105	77	117	111	112	114	134	142	111	69	187	358
Total Organic Carbon	mg/L	<1.0		<1.0		<0.50		<0.50		<0.50	<0.50	0.57	0.63	<0.50
Turbidity	NTU	0.11	0.10	1.27	0.70	0.59	0.01	0.0	0.48	0.85	0.2	1.79	0.62	0.88
Vanadium, Total	mg/L													

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		06/10/20	10/28/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 102A		<i>20061004</i>	<i>20102805</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	14	13
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	<0.11	<0.11
Cadmium, Total	mg/L		
Calcium	mg/L	14.5	14.3
Chloride	mg/L	16.2	16.3
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	11.66	5.94
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	3.3	3.3
Manganese, Total	mg/L	<0.0056	<0.0056
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	198.8	235.2
pH	Std.	5.12	5.65
Potassium, Total	mg/L	3.2	3.6
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium	mg/L	16.2	16.6
Specific Conductance	µS/cm	211	221
Sulfate	mg/L	6.0	5.7
Temperature	°C	16.32	14.14
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	76	158
Total Organic Carbon	mg/L	<0.50	<0.50
Turbidity	NTU	0.33	0.30
Vanadium, Total	mg/L		

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/26/15	01/28/16	04/26/16	07/27/16	10/17/16	01/12/17	04/10/17	07/18/17	09/11/17	03/14/18	10/03/18	04/17/19	10/23/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well 103A		15102601	16012805	16042603	16072703	16101706	17011202	17041003	17071803	17091103	18031407	18100311	19041709	19102301
Alkalinity, Bicarbonate	mg/L CaCO ₃	<5		<5		6		5		<5	8	7	7	8
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Arsenic, Total	mg/L	0.015	0.0200	0.0034	0.0052	0.021	0.0092	0.013	0.0035	0.011	0.0036	0.0042	<0.0033	<0.0033
Barium, Total	mg/L	0.023	0.024	0.013	0.013	0.036	0.015	0.020	0.012	0.022				
Beryllium, Total	mg/L	0.0064	0.0048	0.0041	0.0034	0.0057	0.0029	0.0042	0.0025	0.0034				
Boron, Total	mg/L	9.6	8.7	5.8	5.7	8.9	5.1	7.2	4.6	5.6	4.6	4.2	1.6	1.1
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium, Total	mg/L	107	101	67.5	66.7	110	65.1	91.7	55.5	76.1	57.5	62.1	26.1	19.1
Chloride	mg/L	111	140	67.9	66.6	110	66.8	90.6	58.0	70.1	58.2	66.3	45.9	40.1
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Cobalt, Total	mg/L	0.018	0.018	0.011	0.010	0.018	0.010	0.012	0.0074	0.011				
Dissolved Oxygen	mg/L	3.42	7.20	4.77	5.25	3.81	4.93	3.94	5.48	3.85	8.87	4.61	5.76	5.83
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067		<0.067		<0.067		<0.067		<0.067	<0.067	<0.067	<0.067	<0.067
Lead, Total	mg/L	<0.0022	0.0026	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Lithium, Total	mg/L	0.45	0.46	0.36	0.28	0.44	0.26	0.32	0.24	0.28				
Magnesium, Total	mg/L	33.2		19.7		33.7		27.4		22.5	16.7	19.0	8.7	6.2
Manganese, Total	mg/L	0.43		0.26		0.48		0.38		0.31	0.23	0.27	0.12	0.087
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Molybdenum, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	0.0025	0.0022	<0.0022	<0.0022	<0.0022				
Oxidation-Reduction Potential	mV	535	466.3	110.5	227.8	301	568.4	360.8	167.2	344	448.3	282.5	361.8	62.0
pH	Std.	4.80	4.82	5.07	5.43	4.95	5.08	4.92	4.99	4.81	5.31	4.82	5.13	4.92
Potassium, Total	mg/L	29.0		24.9		32.2		24.0		22.2	19.2	20.0	10.4	10.3
Radium 226	pCi/L	0.676	0.997	0.0728	0.000	0.000	0.213	1.05	-0.057	-0.078				
Radium 228	pCi/L	0.426	1.05	2.26	0.775	1.45	0.379	1.01	0.363	0.847				
Radium 226 & 228 (combined)	pCi/L	1.102	2.05	2.33	0.775	1.450	0.592	2.06	0.306	0.769				
Selenium, Total	mg/L	0.029	0.033	0.0062	0.0089	0.035	0.016	0.015	0.0074	0.021	0.0084	0.0085	<0.0056	<0.0056
Sodium, Total	mg/L	95.7		68.4		103		84.3		70.5	57.4	58.0	29.0	21.2
Specific Conductance	µS/cm	1408	1312	918	836	1297	846	1189	798	1000	847	933	444	337
Sulfate	mg/L	604	500	345	362	586	338	422	257	355	266	270	98.1	66.0
Temperature	°C	14.98	14.30	18.6	18.40	16.37	14.99	15.70	19.61	15.93	13.21	14.47	14.01	14.94
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Total Dissolved Solids	mg/L	949	905	573	589	990	589	800	556	704	556	559	293	136
Total Organic Carbon	mg/L	1.4		4.5		1.3		1.0		0.92	0.78	1.5	1.4	<0.50
Turbidity	NTU	0.82	8.7	0.68	1.22	1.22	0.01	0.0	0.79	0.95	1.02	0.94	0.60	0.50
Vanadium, Total	mg/L													

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		06/09/20	10/26/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 103A		<i>20060901</i>	<i>20102613</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	7	<5
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	0.82	1.0
Cadmium, Total	mg/L		
Calcium, Total	mg/L	18.5	19.9
Chloride	mg/L	35.9	39.5
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	15.15	6.33
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	6.0	6.5
Manganese, Total	mg/L	0.085	0.097
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	191.1	149.3
pH	Std.	5.00	5.93
Potassium, Total	mg/L	9.5	8.7
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium, Total	mg/L	20.6	22.4
Specific Conductance	µS/cm	288	340
Sulfate	mg/L	62.0	66.0
Temperature	°C	15.92	15.01
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	110	188
Total Organic Carbon	mg/L	0.50	0.57
Turbidity	NTU	0.39	0.20
Vanadium, Total	mg/L		

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/27/15	04/26/16	10/19/16	04/11/17	09/14/17	03/13/18	10/02/18	04/18/19	10/23/19	06/10/20	10/28/20
Year-Quarter		2015-4	2016-2	2016-4	2017-2	2017-4	2018-2	2018-4	2019-2	2019-4	2020-2	2020-4
Parameter	Units											
Well 104		15102710	16042608	16101908	17041108	17091408	18031309	18100207	19041805	19102313	20061007	20102809
Alkalinity, Bicarbonate	mg/L CaCO ₃	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Antimony, Total	mg/L											
Arsenic, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L											
Beryllium, Total	mg/L											
Boron, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Cadmium, Total	mg/L											
Calcium, Total	mg/L	13.1	14.7	14.9	13.2	13.2	12.0	13.1	9.6	10.1	11.1	12.2
Chloride	mg/L	31.2	29.3	30.7	34.0	32.4	33.9	33.3	29.9	41.4	33.5	43.8
Chromium, Total	mg/L											
Cobalt, Total	mg/L											
Dissolved Oxygen	mg/L	7.89	7.42	6.43	8.57	8.94	7.71	10.00	6.42	5.63	10.36	6.54
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Lead, Total	mg/L											
Lithium, Total	mg/L											
Magnesium, Total	mg/L	14.5	15.9	16.5	14.6	14.1	12.7	13.8	10.2	10.5	11.3	12.8
Manganese, Total	mg/L	0.033	0.039	0.041	0.037	0.037	0.034	0.038	0.030	0.030	0.0089	0.038
Mercury, Total	mg/L											
Molybdenum, Total	mg/L											
Oxidation-Reduction Potential	mV	282	106.7	201.8	152.9	187.1	185.6	178.3	211.5	127.4	207.8	326.7
pH	Std.	4.93	5.04	4.91	4.94	4.39	5.16	4.51	5.03	4.58	4.51	5.07
Potassium, Total	mg/L	4.0	4.2	4.6	4.2	3.7	3.7	4.2	3.6	3.7	3.9	4.6
Radium 226	pCi/L											
Radium 228	pCi/L											
Radium 226 & 228 (combined)	pCi/L											
Selenium, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Sodium, Total	mg/L	13.8	15.1	17.1	17.7	15.5	15.8	17.6	14.9	16.4	17.7	18.9
Specific Conductance	µS/cm	277	337	310	306	320	308	296	231	270	266	316
Sulfate	mg/L	10.8	10.7	10.9	12.6	12.6	13.4	13.1	20.1	21.5	16.3	15.9
Temperature	°C	14.35	15.23	14.42	14.34	15.77	12.26	12.80	14.46	14.70	15.61	13.48
Thallium, Total	mg/L											
Total Dissolved Solids	mg/L	169	236	204	177	253	174	185	172	110	200	182
Total Organic Carbon	mg/L	<1.0	1.1	0.90	1.2	1.3	0.78	1.5	0.94	0.73	0.99	1.0
Turbidity	NTU	0.43	1.15	0.55	0.0	0.29	1.03	0.0	0.73	0.82	0.49	0.57
Vanadium, Total	mg/L											

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Month/Day/Year		10/27/15	04/27/16	10/18/16	04/11/17	09/14/17	03/13/18	10/02/18	04/16/19	10/22/19	06/10/20	10/27/20
Year-Quarter		2015-4	2016-2	2016-4	2017-2	2017-4	2018-2	2018-4	2019-2	2019-4	2020-2	2020-4
Parameter	Units											
Well 105A		15102706	16042704	16101804	17041102	17091401	18031303	18100209	19041603	19102203	20061001	20102703
Alkalinity, Bicarbonate	mg/L CaCO ₃	7	8	7	8	9	14	8	12	11	8	8
Antimony, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Arsenic, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Beryllium, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Boron, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Cadmium, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Calcium, Total	mg/L	1.4	1.7	1.5	1.5	1.5	1.6	1.8	1.7	1.8	1.7	1.9
Chloride	mg/L	12.2	11.8	12.2	12.8	13.3	12.2	10.0	20.1	14.2	12.6	13.2
Chromium, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Cobalt, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Dissolved Oxygen	mg/L	8.83	7.19	7.73	11.11	8.86	9.47	11.88	7.81	8.06	13.84	8.33
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Lead, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Lithium, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Magnesium, Total	mg/L	0.94	0.95	1.0	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.2
Manganese, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Mercury, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Molybdenum, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Oxidation-Reduction Potential	mV	253.4	121	187.6	143.2	131.8	163.1	180.1	280.5	71.9	199.0	226.4
pH	Std.	5.50	5.42	5.47	5.26	4.52	5.62	4.78	5.20	4.48	4.86	6.20
Potassium, Total	mg/L	1.7	1.6	1.6	1.6	1.6	1.6	1.9	1.5	1.7	2.0	2.0
Radium 226	pCi/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Radium 228	pCi/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Radium 226 & 228 (combined)	pCi/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Selenium, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Sodium, Total	mg/L	9.1	9.3	9.9	9.8	10.5	10.1	10.7	9.3	10.2	9.6	10.2
Specific Conductance	µS/cm	68	76	68	70	73	79	77	90	96	77	89
Sulfate	mg/L	6.1	6	5.9	5.9	6.0	5.8	<2.0	15.2	6.6	6.1	6.0
Temperature	°C	13.48	12.77	12.91	13.70	14.36	11.58	12.13	12.33	10.84	15.06	13.66
Thallium, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067
Total Dissolved Solids	mg/L	45	56	43	27	65	54	59	134	48	<25	86
Total Organic Carbon	mg/L	<1.0	<1.0	0.51	0.58	0.67	0.51	1.3	0.91	0.51	0.60	0.52
Turbidity	NTU	0.30	1.32	0.37	0.0	5.53	2.74	0.02	0.62	0.39	0.70	0.48
Vanadium, Total	mg/L	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067

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Month/Day/Year		10/29/15	01/26/16	04/27/16	07/28/16	10/18/16	01/10/17	04/10/17	07/19/17	09/11/17	03/13/18	10/05/18	04/18/19	10/23/19	
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4	
Parameter	Units														
Well 106/106R		<i>Last 106</i>			<i>First 106R</i>										
		15102908	16012606	Not Sampled	16072808	16101806	17011011	17041009	17071910	17091108	18031310	18100211	19041804	19102312	
Alkalinity, Bicarbonate	mg/L CaCO ₃	<5			10	10				8	9	7	7	<5	
Antimony, Total	mg/L	<0.0022	<0.0022		<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022					
Arsenic, Total	mg/L	<0.0030	<0.0030		<0.0030	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	
Barium, Total	mg/L	0.028	0.029		0.037	0.037	0.045	0.045	0.045	0.044					
Beryllium, Total	mg/L	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011					
Boron, Total	mg/L	<0.11	<0.11		<0.11	4.6	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
Cadmium, Total	mg/L	<0.0011	<0.0011		<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011					
Calcium, Total	mg/L	1.4	1.4		2.7	57.4	2.2	2.2	2.0	1.8	2.0	1.8	2.3	1.9	
Chloride	mg/L	3.3	4.7		5.9	5.6	6.2	7.6	7.6	7.2	7.2	55.9	6.0	7.7	
Chromium, Total	mg/L	<0.0022	<0.0022		<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022					
Cobalt, Total	mg/L	<0.0056	<0.0056		<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056					
Dissolved Oxygen	mg/L	3.81	3.20		2.77	1.91	3.07	2.52	2.43	2.42	3.43	3.19	3.23	2.34	
Fluoride	mg/L	<0.20	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Iron, Total	mg/L	<0.067			<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	
Lead, Total	mg/L	<0.0022	<0.0022		<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022					
Lithium, Total	mg/L	<0.11	<0.11		<0.11	0.14	<0.11	<0.11	<0.11	<0.11					
Magnesium, Total	mg/L	1.7			17.6	17.6	2.7	2.7	2.4	2.4	2.4	2.4	2.7	2.5	
Manganese, Total	mg/L	0.020			0.26	0.26	0.056	0.056	0.046	0.046	0.043	0.044	0.057	0.056	
Mercury, Total	mg/L	<0.00050	<0.00050		<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	
Molybdenum, Total	mg/L	0.0028	<0.0022		<0.0022	<0.0022	<0.0022	0.0069	<0.0022	0.0070					
Oxidation-Reduction Potential	mV	3.6	232.4		64.9	175.2	201.4	155.3	87.5	196.2	167.6	210.6	204.5	123.7	
pH	Std.	5.15	4.66		6.04	5.32	5.50	4.99	5.00	3.93	5.35	4.31	4.99	4.28	
Potassium, Total	mg/L	1.2			16.7	16.7	1.6	1.6	1.3	1.3	1.4	1.4	1.3	1.4	
Radium 226	pCi/L	0.1620	0.0661		0.0694	0.000	-0.075	0.000	0.231	0.225					
Radium 228	pCi/L	0.2660	0.67		0.709	0.975	0.360	0.342	0.419	0.313					
Radium 226 & 228 (combined)	pCi/L	0.4280	0.74		0.7784	0.975	0.285	0.342	0.650	0.538					
Selenium, Total	mg/L	<0.0056	<0.0056		<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	
Sodium, Total	mg/L	3.5			59.9	59.9	5.9	5.9	5.3	5.3	5.3	5.0	4.6	4.5	
Specific Conductance	µS/cm	44	46		72	60	67	70	68	65	70	70	72	68	
Sulfate	mg/L	8.1	8.6		9.4	8.6	8.0	8.0	6.9	6.6	6.6	23.3	9.5	6.6	
Temperature	°C	15.81	14.08		15.53	15.91	14.09	14.90	16.10	15.94	13.41	18.11	15.18	15.80	
Thallium, Total	mg/L	<0.0010	<0.0010		<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011					
Total Dissolved Solids	mg/L	35	73		64	52	72	56	66	39	43	69	79	<25	
Total Organic Carbon	mg/L	<1.0			0.66	0.66	0.66	0.66	0.53	0.65	0.65	1.2	0.89	0.53	
Turbidity	NTU	9.3	8.7		2.62	1.37	0.38	0.29	0.29	0.97	2.06	0.74	0.60	1.18	
Vanadium, Total	mg/L														

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Month/Day/Year		06/10/20	10/28/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 106/106R		<i>20061011</i>	<i>20102808</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	6	<5
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	<0.11	<0.11
Cadmium, Total	mg/L		
Calcium, Total	mg/L	2.2	1.9
Chloride	mg/L	10.1	10.1
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	2.54	8.19
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	2.9	2.4
Manganese, Total	mg/L	0.074	0.043
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	208.9	279.1
pH	Std.	4.68	5.10
Potassium, Total	mg/L	1.4	1.6
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium, Total	mg/L	5.5	5.5
Specific Conductance	µS/cm	72	79
Sulfate	mg/L	6.7	13.4
Temperature	°C	15.56	15.42
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	64	40
Total Organic Carbon	mg/L	0.92	0.70
Turbidity	NTU	1.08	1.68
Vanadium, Total	mg/L		

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Month/Day/Year		10/28/15	01/28/16	04/27/16	10/19/16	04/12/17	09/12/17	03/15/18	10/03/18	04/17/19	10/23/19	06/10/20	10/27/20
Year-Quarter		2015-4	2016-1	2016-2	2016-4	2017-2	2017-4	2018-2	2018-4	2019-2	2019-4	2020-2	2020-4
Parameter	Units												
Well 319A		15102810	Not Sampled	16042706	16101909	17041210	17091206	18031501	18100314	19041716	19102314	20061008	20102706
Alkalinity, Bicarbonate	mg/L CaCO ₃	30		53	55	45	47	58	55	37	45	45	56
Antimony, Total	mg/L												
Arsenic, Total	mg/L	<0.0030		<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L												
Beryllium, Total	mg/L												
Boron, Total	mg/L	<0.11		<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Cadmium, Total	mg/L												
Calcium, Total	mg/L	17.4		20.4	21.0	17.8	18.0	18.5	15.4	15.9	12.3	16.4	17.1
Chloride	mg/L	6.9		12.5	9.1	7.3	6.8	6.3	4.0	6.0	5.1	5.7	5.0
Chromium, Total	mg/L												
Cobalt, Total	mg/L												
Dissolved Oxygen	mg/L	2.58		2.63	1.97	2.17	2.24	1.53	4.43	2.65	1.65	5.79	5.88
Fluoride	mg/L	<0.20		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	0.13		0.13	3.5	0.12	0.79	<0.067	<0.067	<0.067	0.15	0.16	0.16
Lead, Total	mg/L												
Lithium, Total	mg/L												
Magnesium, Total	mg/L	2.3		2.8	3.5	2.7	2.9	3.1	2.7	2.9	2.4	3.1	3.4
Manganese, Total	mg/L	0.054		0.03	0.012	<0.0056	0.0061	<0.0056	<0.0056	<0.0056	0.0067	0.097	0.0057
Mercury, Total	mg/L												
Molybdenum, Total	mg/L												
Oxidation-Reduction Potential	mV	-40.7		133.5	157.1	158.3	109.3	134.5	136.3	157.9	101.9	170.5	245.9
pH	Std.	6.30		6.23	6.31	6.01	5.88	6.32	5.70	6.23	6.07	6.07	6.84
Potassium, Total	mg/L	3.5		4.2	6.2	4.2	4.3	4.2	5.5	4.4	4.6	4.7	5.6
Radium 226	pCi/L												
Radium 228	pCi/L												
Radium 226 & 228 (combined)	pCi/L												
Selenium, Total	mg/L	0.0060		<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Sodium, Total	mg/L	4.6		5.7	6.6	5.3	4.8	3.7	4.2	4.3	4.2	4.5	4.5
Specific Conductance	µS/cm	149		175	159	146	153	152	146	158	120	129	135
Sulfate	mg/L	29.9		25.3	11.8	20.5	11.2	12.3	9.4	23.0	11.9	10.1	8.4
Temperature	°C	15.47		12.19	17.96	13.47	17.82	10.87	18.14	11.41	16.30	16.98	16.71
Thallium, Total	mg/L												
Total Dissolved Solids	mg/L	87		117	184	97	99	93	97	114	<25	122	72
Total Organic Carbon	mg/L	4.6		5	5.7	5.0	4.9	5.3	5.2	3.5	4.2	4.7	4.7
Turbidity	NTU	0.21		1.87	65.3	1.78	29.9	1.2	1.20	1.44	3.48	3.10	2.67
Vanadium, Total	mg/L												

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/28/15	01/26/16	04/27/16	07/28/16	10/18/16	01/10/17	04/11/17	07/20/17	09/12/17	03/15/18	10/02/18	04/16/19	10/22/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well 326D		15102803	16012603	16042708	16072806	16101807	17011002	17041104	17072001	17091207	18031504	18100205	19041606	19102206
Alkalinity, Bicarbonate	mg/L CaCO ₃	8		13		11		12		12	15	21	15	21
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Arsenic, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L	0.049	0.038	0.057	0.062	0.057	0.046	0.039	0.041	0.044				
Beryllium, Total	mg/L	<0.0010	<0.0010	0.0010	0.0012	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Boron, Total	mg/L	2.1	2.3	2.3	3.7	<0.11	3.8	3.3	3.6	3.7	2.8	3.0	3.2	2.0
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium, Total	mg/L	31.5	25.6	36.8	48.9	2.0	47.0	43.3	45.2	48.3	39.7	38.2	42.1	26.2
Chloride	mg/L	35.3	37.3	45.5	58.7	64.6	48.3	49.6	50.1	50.2	45.1	44.7	52.9	36.0
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Cobalt, Total	mg/L	0.0078	0.0064	0.0078	0.010	0.011	0.0081	0.0068	0.0074	0.0072				
Dissolved Oxygen	mg/L	7.91	8.22	5.64	7.18	6.05	7.18	8.43	7.03	6.64	7.01	6.08	5.81	5.57
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067		<0.067		<0.067		<0.067		<0.067	<0.067	0.65	<0.067	<0.067
Lead, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Lithium, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	0.12	0.15	0.15	0.14				
Magnesium, Total	mg/L	9.5		11.3		2.1		13.7		15.3	13.0	12.2	13.4	8.4
Manganese, Total	mg/L	0.15		0.17		0.055		0.19		0.20	0.16	0.17	0.16	0.10
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Molybdenum, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	0.0066	0.0045	0.014	0.022	0.021				
Oxidation-Reduction Potential	mV	-58.7	134.1	120	87.3	167.1	236.9	156.5	137.8	117.9	279.1	142.3	230.0	123.4
pH	Std.	5.67	5.42	5.87	5.97	5.51	5.68	5.58	5.57	5.32	5.65	5.43	5.64	5.30
Potassium, Total	mg/L	11.0		14.0		1.3		13.2		12.7	11.2	12.5	10.6	10.0
Radium 226	pCi/L	0.622	0.299	0.436	0.000	0.259	0.162	0.0848	0.594	0.363				
Radium 228	pCi/L	0.485	0.0877	0.385	0.102	0.450	0.524	0.758	0.141	0.223				
Radium 226 & 228 (combined)	pCi/L	1.107	0.387	0.821	0.102	0.709	0.686	0.843	0.735	0.586				
Selenium, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	0.0056	<0.0056
Sodium, Total	mg/L	29.4		37.4		5.7		42.9		46.7	37.7	40.0	41.7	28.2
Specific Conductance	µS/cm	429	417	611	618	731	605	570	614	661	571	503	573	398
Sulfate	mg/L	119	123	158	283	247	258	196	204	206	174	155	186	102
Temperature	°C	14.63	14.61	14.38	17.29	15.79	14.26	15.70	16.11	15.8	13.95	15.08	14.65	15.58
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
Total Dissolved Solids	mg/L	285	282	354	462	457	435	378	447	202	364	322	397	248
Total Organic Carbon	mg/L	<1.0		1.2		0.90		0.67		0.81	0.67	1.3	1.2	0.61
Turbidity	NTU	0.29	0.08	1.07	0.83	1.08	0.12	0.04	1.27	0.98	0.53	0.03	0.92	0.27
Vanadium, Total	mg/L													

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		06/09/20	10/27/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 326D		<i>20060909</i>	<i>20102707</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	18	
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	1.4	1.4
Cadmium, Total	mg/L		
Calcium, Total	mg/L	20.3	21.7
Chloride	mg/L	29.5	33.9
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	9.39	6.72
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	6.3	6.9
Manganese, Total	mg/L	0.069	0.072
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	134.6	237.2
pH	Std.	5.52	7.39
Potassium, Total	mg/L	10.4	10.6
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium, Total	mg/L	22.7	24.2
Specific Conductance	µS/cm	303	364
Sulfate	mg/L	67.8	78.1
Temperature	°C	16.17	15.25
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	174	168
Total Organic Carbon	mg/L	0.60	0.51
Turbidity	NTU	0.54	0.52
Vanadium, Total	mg/L		

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/29/15	01/27/16	04/28/16	07/27/16	10/19/16	01/11/17	04/13/17	07/19/17	09/14/17	03/12/18	10/04/18	04/15/19	10/21/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well 327A		15102901	16012708	16042812	16072708	16101902	17011105	17041305	17071906	17091404	18031203	18100415	19041503	19102104
Alkalinity, Bicarbonate	mg/L CaCO ₃	5		7		<5		<5		<5	8	13	12	13
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Arsenic, Total	mg/L	0.0082	0.012	0.011	0.0069	0.0068	0.016	0.014	0.0038	0.0048	<0.0033	0.0060	0.0054	<0.0033
Barium, Total	mg/L	0.022	0.028	0.026	0.024	0.018	0.027	0.023	0.025	0.022				
Beryllium, Total	mg/L	0.0040	0.0032	0.0072	0.0063	0.0057	0.0079	0.0088	0.0060	0.0043				
Boron, Total	mg/L	6.1	6.9	8.7	6.8	5.5	5.1	6.1	3.4	3.3	4.4	6.5	4.3	2.1
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium, Total	mg/L	120	135.0	181	140	114	116	137	79.9	71.9	102	163	105	56.8
Chloride	mg/L	117	159	193	149	125	142	153	102	97.6	137	289	158	104
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	0.0033	<0.0022	<0.0022	<0.0022	<0.0022				
Cobalt, Total	mg/L	0.029	0.028	0.039	0.035	0.024	0.025	0.027	0.019	0.014				
Dissolved Oxygen	mg/L	3.53	6.43	0.97	2	2.81	3.45	3.41	4.71	5.34	4.47	2.63	3.94	4.57
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067		<0.067		<0.067		<0.067		<0.067	<0.067	0.35	<0.067	<0.067
Lead, Total	mg/L	<0.0022	<0.0022	0.0025	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Lithium, Total	mg/L	0.16	0.37	0.32	0.21	0.29	0.27	0.31	0.18	0.22				
Magnesium, Total	mg/L	31.4		48.4		29.6		34.8		18.3	24.2	36.2	23.2	11.5
Manganese, Total	mg/L	0.35		0.56		0.37		0.44		0.22	0.31	0.49	0.31	0.17
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050				
Molybdenum, Total	mg/L	0.0074	0.050	0.041	0.0083	0.017	0.0095	0.011	0.0043	0.014				
Oxidation-Reduction Potential	mV	511.5	64.7	110.3	134.5	170.0	230.2	129.9	142.3	134.5	318.2	217.9	66.3	68.1
pH	Std.	5.01	5.41	5.5	5.34	5.03	4.97	4.92	4.84	4.57	5.23	5.06	5.41	5.16
Potassium, Total	mg/L	39.5		58.9		48.3		48.7		32.3	40.1	52.9	40.6	25.3
Radium 226	pCi/L	0.0955	0.227	0.0505	0.0758	0.825	0.142	0.323	0.724	0.000				
Radium 228	pCi/L	1.02	0.854	1.49	1.19	0.837	0.968	0.852	0.676	1.11				
Radium 226 & 228 (combined)	pCi/L	1.116	1.081	1.54	1.27	1.662	1.110	1.175	1.400	1.11				
Selenium, Total	mg/L	0.014	0.020	0.024	0.012	0.0082	0.022	0.017	0.0075	0.0072	0.0061	0.0096	0.0065	<0.0056
Sodium, Total	mg/L	85.6		128		91.8		104		58.5	79.1	123	87.1	53.1
Specific Conductance	µS/cm	1300	1604	2013	1442	1182	1301	1483	981	927	1289	1648	1299	749
Sulfate	mg/L	490	612	824	665	455	496	526	311	277	345	610	369	190
Temperature	°C	15.80	13.78	14.71	18.96	15.91	15.15	15.49	16.50	16.36	13.98	16.61	11.41	11.96
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Total Dissolved Solids	mg/L	956	1130	1420	1130	788	891	1100	729	678	781	1150	831	494
Total Organic Carbon	mg/L	1.4		1.8		1.3		1.3		1.1	1.0	1.7	1.9	0.68
Turbidity	NTU	0.41	9.5	1.16	1.29	0.52	0.13	0.05	0.78	0.41	1.63	0.30	0.60	0.97
Vanadium, Total	mg/L													

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		06/08/20	10/26/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 327A		<i>20060801</i>	<i>20102605</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	11	15
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	0.0042
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	1.0	2.7
Cadmium, Total	mg/L		
Calcium, Total	mg/L	35.6	81.9
Chloride	mg/L	71.8	164
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	8.1	3.51
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	6.4	15.6
Manganese, Total	mg/L	0.10	0.25
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	202.9	129.3
pH	Std.	4.87	6.19
Potassium, Total	mg/L	16.7	31.5
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium, Total	mg/L	35.8	70.7
Specific Conductance	µS/cm	490	1050
Sulfate	mg/L	88.0	218
Temperature	°C	16.43	15.86
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	198	512
Total Organic Carbon	mg/L	0.67	1.3
Turbidity	NTU	0.47	0.59
Vanadium, Total	mg/L		

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/28/15	01/27/16	04/28/16	07/28/16	10/19/16	01/10/17	04/13/17	07/18/17	09/13/17	03/15/18	10/04/18	04/16/19	10/22/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well 328A		15102807	16012704	16042807	16072801	16101906	17011009	17041302	17071808	17091307	18031506	18100403	19041610	19102210
Alkalinity, Bicarbonate	mg/L CaCO ₃	44		44		22		25		23	34	47	43	38
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Arsenic, Total	mg/L	0.0054	0.0064	<0.0030	<0.0030	<0.0030	0.0069	<0.0033	0.0040	<0.0033	<0.0033	<0.0033	0.0039	<0.0033
Barium, Total	mg/L	0.031	0.028	0.029	0.030	0.018	0.057	0.039	0.045	0.030				
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Boron, Total	mg/L	8.3	10.2	7.8	6.8	2.9	4.8	4.9	5.8	2.9	6.0	5.2	4.9	3.1
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium, Total	mg/L	154	145	136	121	45.3	118	97.8	123	64.5	133	99.0	98.6	59.1
Chloride	mg/L	166	188	156	151	53.0	154	125	173	91.6	210	159	165	95.6
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Cobalt, Total	mg/L	0.021	0.023	0.019	0.017	0.0061	0.019	0.016	0.020	0.0094				
Dissolved Oxygen	mg/L	4.24	4.52	4.02	4.07	6.46	4.87	6	3.82	6.29	4.85	4.58	4.99	4.59
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	0.084		<0.067		<0.067		<0.067		<0.067	<0.067	<0.067	<0.067	<0.067
Lead, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022				
Lithium, Total	mg/L	0.61	0.68	0.79	0.64	0.34	0.57	0.51	0.63	0.37				
Magnesium, Total	mg/L	50.9		43.2		13.7		28.1		18.2	38.4	30.9	26.8	15.7
Manganese, Total	mg/L	0.59		0.51		0.18		0.31		0.19	0.41	0.34	0.36	0.19
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Molybdenum, Total	mg/L	0.41	0.41	0.54	0.27	0.13	0.14	0.12	0.13	0.092				
Oxidation-Reduction Potential	mV	15.9	387.4	229	127.8	165.3	189.5	152	182.3	38	354.3	133.9	371.9	126.8
pH	Std.	6.14	5.81	6.05	6.13	5.87	5.81	6	5.69	5.55	5.7	5.78	5.95	5.63
Potassium, Total	mg/L	45.7		52.9		27.5		33.4		25.9	29.2	43.5	38.5	19.9
Radium 226	pCi/L	-0.183	0.00514	0.529	0.635	0.234	0.0856	0.507	0.607	0.277				
Radium 228	pCi/L	0.386	0.753	0.735	1.31	0.752	1.33	1.26	0.705	1.54				
Radium 226 & 228 (combined)	pCi/L	0.203	0.75814	1.26	1.95	0.986	1.42	1.77	1.312	1.82				
Selenium, Total	mg/L	0.011	0.012	0.0069	0.0064	<0.0056	0.013	<0.0056	0.012	<0.0056	0.0059	<0.0056	0.0072	<0.0056
Sodium, Total	mg/L	115		105		46.9		80.7		56.9	119	107	98.2	63.9
Specific Conductance	µS/cm	1753	1827	1557	1362	576	1279	1148	1474	815	1657	1227	1221	860
Sulfate	mg/L	614	696	608	564	165	467	635	449	206	481	376	380	206
Temperature	°C	15.13	13.23	13.42	15.26	15.20	13.51	14	16.19	16.04	13.85	15.14	13.55	15.77
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Total Dissolved Solids	mg/L	1290	1290	1110	1070	334	887	802	1070	551	1010	878	920	550
Total Organic Carbon	mg/L	2.0		1.7		0.66		1.1		0.83	1.6	1.9	1.8	0.73
Turbidity	NTU	0.29	0.11	0.61	0.94	0.44	0.02	0	0.89	4.83	0.58	0.04	0.67	0.38
Vanadium, Total	mg/L													

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		06/09/20	10/28/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well 328A		<i>20060906</i>	<i>20102803</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	33	48
Antimony, Total	mg/L		
Arsenic, Total	mg/L	0.0052	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	5.6	6.2
Cadmium, Total	mg/L		
Calcium, Total	mg/L	120	133
Chloride	mg/L	195	219
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	8.55	1.57
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	29.8	35.3
Manganese, Total	mg/L	0.39	0.43
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	198.7	241.1
pH	Std.	5.47	5.9
Potassium, Total	mg/L	32.4	57.5
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	0.011	<0.0056
Sodium, Total	mg/L	117	131
Specific Conductance	µS/cm	1459	1747
Sulfate	mg/L	416	461
Temperature	°C	15.52	13.77
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	1010	1120
Total Organic Carbon	mg/L	2.2	1.8
Turbidity	NTU	0.57	0.19
Vanadium, Total	mg/L		

NRG Indian River Coal Ash Industrial Landfill

Month/Day/Year		10/28/15	01/27/16	04/26/16	07/26/16	10/20/16	01/11/17	04/12/17	07/20/17	09/13/17	03/14/18	10/04/18	04/18/19	10/23/19
Year-Quarter		2015-4	2016-1	2016-2	2016-3	2016-4	2017-1	2017-2	2017-3	2017-4	2018-2	2018-4	2019-2	2019-4
Parameter	Units													
Well P-3/3R		15102811	16012710	16042609	16072607	16102012	17011109	17041201	17072005	17091311	18031414	18100408	19041806	19102311
Alkalinity, Bicarbonate	mg/L CaCO ₃	<5		6		<5		5		<5	8	5	<5	<5
Antimony, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Arsenic, Total	mg/L	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033
Barium, Total	mg/L	0.079	0.078	0.077	0.068	0.072	0.074	0.073	0.076	0.076				
Beryllium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011				
Boron, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Cadmium, Total	mg/L	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011				
Calcium, Total	mg/L	3.1	2.9	3.2	3.0	3.0	3.0	3.0	3.0	3.4	3.2	3.2	2.6	2.2
Chloride	mg/L	11.5	12.6	12.4	10.9	11.9	10.6	10.8	11.5	12.4	12.0	11.9	9.5	9.7
Chromium, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Cobalt, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Dissolved Oxygen	mg/L	6.20	9.71	5.37	6.69	5.58	7.98	7.12	5.55	5.77	5.95	5.01	5.50	4.20
Fluoride	mg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Iron, Total	mg/L	<0.067		<0.067		<0.067		<0.067		<0.067	<0.067	<0.067	<0.067	0.46
Lead, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Lithium, Total	mg/L	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Magnesium, Total	mg/L	3.4		3.7		3.6		3.5		3.6	3.5	3.6	3.0	2.5
Manganese, Total	mg/L	0.0096		0.011		0.0097		0.0099		0.0097		0.011	0.012	0.013
Mercury, Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Molybdenum, Total	mg/L	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
Oxidation-Reduction Potential	mV	1.9	122.3	110.3	72.6	219.0	239.7	123.1	90.2	130.8	220.9	216.5	224.7	140.6
pH	Std.	5.22	5.06	5.24	5.41	5.12	5.43	4.98	5.03	4.26	5.23	4.66	5.03	4.69
Potassium, Total	mg/L	2.3		2.4		2.5		2.2		2.3	2.3	2.5	2.1	1.8
Radium 226	pCi/L	0.0652	0.429	0.175	0.444	0.270	0.140	-0.197	0.536	0.319				
Radium 228	pCi/L	0.816	0.295	0.872	0.468	0.568	0.326	0.673	0.746	0.000				
Radium 226 & 228 (combined)	pCi/L	0.8812	0.724	1.047	0.912	0.838	0.466	0.476	1.282	0.319				
Selenium, Total	mg/L	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
Sodium, Total	mg/L	6.7		7.1		7.3		6.9		7.3	7.3	7.2	6.0	4.7
Specific Conductance	µS/cm	97	89	104	87	91	71	91	96	98	108	55	84	109
Sulfate	mg/L	15.7	20.5	20.4	20.2	15.9	21.1	15.5	15.7	20.2	15.3	13.3	11.1	11.4
Temperature	°C	14.68	13.22	14.67	15.56	14.82	14.08	13.47	15.33	15.96	12.5	16.57	13.09	12.06
Thallium, Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
Total Dissolved Solids	mg/L	57	70	71	63	75	72	63	77	68	100	48	79	<25
Total Organic Carbon	mg/L	1.2		<1.0		0.87		0.71		0.68	0.54	1.1	<0.50	1.4
Turbidity	NTU	0.63	1.03	0.47	0.92	0.47	0.08	0.0	0.17	0.07	0.57	0.56	0.79	1.64
Vanadium, Total	mg/L													

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Month/Day/Year		06/10/20	10/28/20
Year-Quarter		2020-2	2020-4
Parameter	Units		
Well P-3/3R		<i>20061010</i>	<i>20102810</i>
Alkalinity, Bicarbonate	mg/L CaCO ₃	5	6
Antimony, Total	mg/L		
Arsenic, Total	mg/L	<0.0033	<0.0033
Barium, Total	mg/L		
Beryllium, Total	mg/L		
Boron, Total	mg/L	<0.11	<0.11
Cadmium, Total	mg/L		
Calcium, Total	mg/L	3.2	3.1
Chloride	mg/L	10.9	12.7
Chromium, Total	mg/L		
Cobalt, Total	mg/L		
Dissolved Oxygen	mg/L	6.23	9.87
Fluoride	mg/L	<0.20	<0.20
Iron, Total	mg/L	<0.067	<0.067
Lead, Total	mg/L		
Lithium, Total	mg/L		
Magnesium, Total	mg/L	3.5	3.5
Manganese, Total	mg/L	0.012	0.011
Mercury, Total	mg/L		
Molybdenum, Total	mg/L		
Oxidation-Reduction Potential	mV	201.8	292.4
pH	Std.	4.67	5.86
Potassium, Total	mg/L	2.6	2.8
Radium 226	pCi/L		
Radium 228	pCi/L		
Radium 226 & 228 (combined)	pCi/L		
Selenium, Total	mg/L	<0.0056	<0.0056
Sodium, Total	mg/L	7.3	7.2
Specific Conductance	µS/cm	92	99
Sulfate	mg/L	14.2	14.6
Temperature	°C	15.15	13.78
Thallium, Total	mg/L		
Total Dissolved Solids	mg/L	71	57
Total Organic Carbon	mg/L	1.0	0.61
Turbidity	NTU	0.88	0.28
Vanadium, Total	mg/L		