

Table 8: Ambient Air Quality Results

Param eter	CP	Sampli ng Station	Baseline (EIS 2020)		Contractor 's Baseline	2021 Results						Sampling Date	Country's Stand- ards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referre d Inter- national Stand- ards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
SO ₂ (µg/ Ncm)	CP N-01	AAQ2	130 .19	4.51	<7	NSS	NSS	NSS	NSS	11.8	NSS	25-26 Nov 2021	180	20	- Quarterly 24-hr sampling
		AAQ3	134 .93	6.27	9	NSS	NSS	NSS	NSS	11.8	NSS	22-23 Nov 2021			
	CP N-02	AAQ4	ND	15.43	<0.117	NB	<0.117	<0.117	1.06	NSS	NSS	27-28 October 2021			
	CP N-03	AAQ5	ND	1.83	<12.0	NSS	NSS	NSS	11	24.2	NSS	19-20 October 18-19 Nov 2021			
		AAQ6	ND	7.65	<12.0	NB	<12.0	NSS	15.7	25.4	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ- N09	-	-	<11.9	NSS	NSS	NSS	13.6	ND	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ- N10	-	-	<12.1	NB	<12.0	NSS	5.3	ND	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	4.3	NSS	NSS	18.3	NSS	ND	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	2.3 8	-	7	NSS	NSS	38.4	NSS	NSS	7.4	2-3 Dec 2021			

Param eter	CP	Sampli ng Station	Baseline (EIS 2020)		Contractor 's Baseline	2021 Results						Sampling Date	Country's Stan- dards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referre d Inter- national Stan- dards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
NO ₂ (µg/ Ncm)	CP N-01	AAQ2	16. 18	35.61	<1	NSS	NSS	NSS	NSS	<3.08	NSS	25-26 Nov 2021	150	200 (1- hour mean)	- Quarterly 24-hr sampling
		AAQ3	14. 19	41.22	<1	NSS	NSS	NSS	NSS	<3.09	NSS	22-23 Nov 2021			
	CP N-02	AAQ4	5.0 8	32.52	9.2	NB	9.2	3.24	1.68	NSS	NSS	27-28 Oct 2021			
	CP N-03	AAQ5	1.6	17.44	3.49	NSS	NSS	NSS	11.4	11.8	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ6	3.6 6	62.45	<3.13	NB	<3.13	NSS	20.7	13.3	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ- N09	-	-	<3.11	NSS	NSS	NSS	8.2	3	NSS	22-23 Oct 2021 15-16 Nov 2021			
		AAQ- N10	-	-	<3.15	NB	<3.15	NSS	3.9	8.8	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	9.5	NSS	NSS	5.6	NSS	13.9	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	8.7 9	-	4.3	NSS	NSS	3.4	NSS	NSS	6.5	2-3 Dec 2021			
CO (µg/	CP N-01	AAQ2	1.1 4	ND	<1	NSS	NSS	NSS	NSS	1 ppm (24-hr)	NSS	25-26 Nov 2021	35,000 30 (if in	30 ⁽⁴⁾	Quarterly

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referred International Standards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
Ncm)		AAQ3	ND	2.29	<1	NSS	NSS	NSS	NSS	7 ppm (24-hr)	NSS	22-23 Nov 2021	ppm) (1-hr averaging time)		1-hr sampling 8-hr sampling
	CP N-02	AAQ4	ND	1.14	8.8 ppm, max(8-hr)	NSS	8.8 ppm, max (8-hr)	9.0 ppm, max (8-hr)	<1.0 ppm (8-hr)	NSS	NSS	27-28 Oct 2021			
	CP N-03	AAQ5	ND	1.14	4 (1-hr)	NSS	NSS	NSS	1.23 (1-hr)	1.44 (1-hr)	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ6	ND	ND	ND	NB	ND	NSS	1.24 (1-hr)	1.25 (1-hr)	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ-N09	-	-	ND	NSS	NSS	NSS	1.44 (1-hr)	3.87 (1-hr)	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ-N10	-	-	ND	NB	ND	NSS	1.28 (1-hr)	4.17 (1-hr)	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	1.35 ppm (8-hr)	NSS	NSS	2.4 ppm (8-hr)	NSS	1.67 ppm (8-hr)	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	1.14	-	NSR	NSS	NSS	1.0 ppm (8-hr)	NSS	NSS	ND (8-hr)	2-3 Dec 2021			
O ₃ (µg/	CP N-01	AAQ2	ND	ND	2	NSS	NSS	NSS	NSS	2.31 (24-hr)	NSS	25-26 Nov 2021	140 0.07 (if in	100 (8-hour	Quarterly

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referred International Standards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
Ncm)		AAQ3	ND	ND	1	NSS	NSS	NSS	NSS	1.65 (24-hr)	NSS	22-23 Nov 2021	ppm) (1-hour averaging time)	mean)	1-hr sampling 8-hr sampling
	CP N-02	AAQ4	ND	ND	0.0022ppm , max(8-hr)	NB	0.0022 ppm, max (8-hr)	NSS	0.0037 ppm, max (8-hr)	NSS	NSS	23-24 Aug 2021 27-28 Oct 2021			
	CP N-03	AAQ5	ND	ND	1.28 (1-hr)	NSS	NSS	NSS	50 (1-hr)	ND (1-hr)	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ6	ND	ND	ND	NB	0.244	NSS	26.2 (1-hr)	24.5 (1-hr)	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ-N09	-	-	11.2 (1-hr)	NSS	NSS	NSS	60.5 (1-hr)	91.2 (1-hr)	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ-N10	-	-	<0.217 (1-hr)	NB	<0.217 (1-hr)	NSS	36.9 (1-hr)	ND	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	0.09 (8-hr)	NSS	NSS	4.8 (8-hr)	NSS	20.8 (8-hr)	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	ND	-	ND	NSS	NSS	ND	NSS	NSS	12 (8-hr)	2-3 Dec 2021			
TSP (µg/	CP N-01	AAQ2	54.69	34.50	10	NSS	NSS	NSS	NSS	126	NSS	25-26 Nov 2021	230	-	Quarterly

Param eter	CP	Sampli ng Station	Baseline (EIS 2020)		Contractor 's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referre d Inter- national Stand- ards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
Ncm)		AAQ3	77.15	104.40	7	NSS	NSS	NSS	NSS	215	NSS	22-23 Nov 2021			24-hr sampling
	CP N-02	AAQ4	119.65	100.53	180.14	NB	180.14	76.34	120.76	NSS	NSS	27-28 Oct 2021			
	CP N-03	AAQ5	181.63	93.12	78.6	NSS	NSS	NSS	218.3	82.2	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ6	95.93	58.30	63.5	NB	63.5	NSS	37.1	29.6	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ-N09	-	-	53.2	NSS	NSS	NSS	116.9	51.6	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ-N10	-	-	61.1	NB	61.1	NSS	37.6	44	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	26	NSS	NSS	53.2	NSS	74.4	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	73.28	-	26.8	NSS	NSS	ND	NSS	NSS	132	2-3 Dec 2021			
PM ₁₀ (µg/ Ncm)	CP N-01	AAQ2	26.86	25.71	15	NSS	NSS	NSS	NSS	55.6	NSS	25-26 Nov 2021	150	50	- Quarterly 24-hr
		AAQ3	48.87	69.70	13	NSS	NSS	NSS	NSS	85.4	NSS	22-23 Nov 2021			

Param eter	CP	Sampli ng Station	Baseline (EIS 2020)		Contractor 's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referre d Inter- national Stand- ards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
	CP N-02	AAQ4	70.51	59	29.9	NB	29.9	45.71	49.05	NSS	NSS	27-28 Oct 2021			sampling
	CP N-03	AAQ5	88.34	60.80	20	NSS	NSS	NSS	102	32.5	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ6	45.79	49.76	26.3	NB	26.3	NSS	74.2	39.1	NSS	22-23 Oct 2021 17-18 Nov 2021			
		AAQ-N09	-	-	19.1	NSS	NSS	NSS	116.9	17.1	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ-N10	-	-	29.5	NB	29.5	NSS	37.6	59.3	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	41.5	NSS	NSS	29.3	NSS	39.8	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	44.71	-	16.7	NSS	NSS	1.7	NSS	NSS	56.7	2-3 Dec 2021			
PM _{2.5} (µg/ Ncm)	CP N-01	AAQ2	15.65	24.15	98	NSS	NSS	NSS	NSS	75	NSS	25-26 Nov 2021	50 ⁽³⁾	25	- Quarterly 24-hr sampling
		AAQ3	22.05	60.79	89	NSS	NSS	NSS	NSS	60.2	NSS	22-23 Nov 2021			
	CP N-02	AAQ4	30.45	45.34	25.4	NB	25.4	13.9	NSS	23.9	NSS	27-28 Oct 2021			

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referred International Standards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
	CP N-03	AAQ5	22.83	54.00	10.6	NSS	NSS	NSS	NSS	20.1	NSS	18-19 Nov 2021			
		AAQ6	17.81	47.15	15.5	NB	15.5	NSS	27.7	20.1	NSS	19-20 Oct 2021 18-19 Nov 2021			
		AAQ-N09	-	-	14.4	NSS	NSS	NSS	37.4	13.2	NSS	20-21 Oct 2021 15-16 Nov 2021			
		AAQ-N1	-	-	15.7	NB	15.7	NSS	66.6	39.5	NSS	21-22 Oct 2021 16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	10.8	NSS	NSS	2.8	NSS	9.4	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	16.03	-	26.8	NSS	NSS	0.4	NSS	NSS	9.7	2-3 Dec 2021			
Pb (µg/ Ncm)	CP N-01	AAQ2	ND	0.0084	<0.03	NSS	NSS	NSS	NSS	0.0112	NSS	Nov 2021	1.5 ⁽⁵⁾	-	- Quarterly 24-hr sampling
		AAQ3	ND	0.0252	<0.03	NSS	NSS	NSS	NSS	0.0124	NSS	Nov 2021			
	CP N-02	AAQ4	ND	0.0125	0.197	NB	0.197	<0.00005	0.04002	NSS	NSS	27-28 Oct 2021			
	CP N-03	AAQ5	0.0004	0.0092	0.00365	NSS	NSS	NSS	NSS	ND	NSS	18-19 Nov 2021			

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Sampling Date	Country's Standards ⁽¹⁾ (DAO 2000-81, DAO 2013-13)	Referred International Standards (IFC / WHO) ⁽²⁾	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter						
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec				
		AAQ6	0.043	ND	0.0137	NB	0.0137	NSS	NSS	ND	NSS	17-18 Nov 2021			
		AAQ-N09	-	-	<0.00037	NSS	NSS	NSS	NSS	0.001	NSS	15-16 Nov 2021			
		AAQ-N10	-	-	0.0134	NB	0.0134	NSS	NSS	0.003	NSS	16-17 Nov 2021			
	CP N-04	AAQ6 PRIME	-	-	ND	NSS	NSS	NSR	NSS	0.002	NSS	12-13 Nov 2021			
	CP N-05	DD AAQ1	ND	-	NSR	NSS	NSS	0.001	NSS	NSS	NA	2-3 Dec 2021			

Notes:

* All values have the unit of µg/Ncm unless otherwise indicated.

** Averaging time is 24 hours unless otherwise indicated.

(1) National Ambient Air Quality Guideline for Criteria Pollutants of the Philippine Clean Air Act of 1999

(2) IFC General EHS Guidelines: Environmental Air Emissions and Ambient Air Quality, Table 1.1.1: WB-IFC Ambient Air Quality Guidelines, April 30, 2007

(3) DENR Administrative Order No. 2013-13

(4) WHO air quality guidelines for Europe (2000)

(5) Evaluation of this guideline is carried out for 24-hour averaging time and averaged over three moving calendar months. The monitored average value for any three months shall not exceed the guideline value.

Legend:

- Stations are additional stations and thus have no or incomplete wet and dry baseline values in the EIS
- ND Not detected (as reported by the third-party laboratory)
- NSS No sampling scheduled for the month
- NB No baseline
- NSR No Sampling Results
- Exceeded the guideline value

Table 9: Surface Water Quality

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (DAO 2016-08 and DAO 2021-19, Class C)	Referred International Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
Color TCU	CP N-01	SW1	5	44	NSR	NSS	NSS	NSS	NSR	NSR	NSS	75	-	- Quarterly - Visual Comparison - Some CPs did not include Color in the parameters being analyzed by the laboratory, following the requirements of General Specification Sec. 118.
		SW2	5	21	NSR	NSS	NSS	NSR	NSS	NSR	NSS			
		SW3	10	20	NSR	NSS	NSS	NSS	NSR	NSR	NSS			
		SW4	10	28	NSR	NSS	NSS	NSS	NSR	NSR	NSS			
		SW5	42	93	NSR	NSS	NSS	NSS	NSR	NSR	NSS			
	CP N-02	SW6	33	33	NSR	NSS	NSR	NSS	NSS	NSR	NSS			
		SW7	20	33	NSR	NSS	NSR	NSS	NSS	NSR	NSS			
	CP N-03	SW8	14	10	50	NSS	NSS	NSS	20	20	NSS			
		SW9	10	125	50	NSS	NSS	NSS	15	15	NSS			
		SW10	10	20	50	NSS	NSS	NSS	32	32	NSS			
		DD SW2	31	-	50	NSS	NSS	NSS	20	20	NSS			
	CP N-04	SW11	10	49	28.8	NSS	NSS	20	NSS	8	NSS			
	CP N-05	DD SW1	20	-	NSR	NSR	NSR	NSR	NSR	NSR	NSR			
Temperature °C	CP N-01	SW1	26	27.3	29	NSS	NSS	NSS	28	29	NSS	25-31	-	- Quarterly - Laboratory & Field Method (SM2550 B)
		SW2	29.8	25.4	29	NSS	NSS	30	NSS	31	NSS			
		SW3	28.6	28.4	29	NSS	NSS	NSS	30	31	NSS			
		SW4	30.2	28.2	29	NSS	NSS	NSS	30	32	NSS			
		SW5	28.9	27.8	32.0	NSS	NSS	NSS	29	31	NSS			
	CP N-02	SW6	NB	NB	29.3	NB	29.3	NSS	NSS	31.3	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW7	NB	NB	29.4	NB	29.4	NSS	NSS	29.1	NSS			
	CP N-03	SW8	26.0	25.8	30.0	NSS	NSS	NSS	32.1	31.9	NSS			
		SW9	29.7	29.9	30.0	NSS	NSS	NSS	30.1	30.4	NSS			
		SW10	29.6	29.5	25.0	NSS	NSS	NSS	30.2	30.2	NSS			
		DD SW2	33.9	-	33.1	NSS	NSS	NSS	30.9	30.9	NSS			
	CP N-04	SW11	29.1	30.5	27.0	NSS	NSS	30.6	NSS	25	NSS			
	CP N-05	DD SW1	25.3	-	28.9	30.0	29.8	30.2	29.4	29.6	25.0			
						29.0	27.5	30.1	28.3	27.6	29.1			
						25.9	29.0	28.9	32.1	25.0				
						28.3	36.4	30.4	34.2	29.5				
								30.9		32.2				
pH (Range)	CP N-01	SW1	6.7	6.97	7.5	NSS	NSS	NSS	7.39	7.2	NSS	6.5–9.0	EU: 6-9	- Quarterly - Electrometric Method
		SW2	7.26	7.30	7.5	NSS	NSS	7.7	NSS	7.5	NSS			
		SW3	7.09	7.49	7.5	NSS	NSS	NSS	7.52	7.5	NSS			
		SW4	7.3	7.57	6.7	NSS	NSS	NSS	7.54	7.8	NSS			
		SW5	7.2	7.11	7.8	NSS	NSS	NSS	7.32	7.5	NSS			
	CP N-02	SW6	6.87	7.22	6.97	NB	6.97	NSS	NSS	7.4	NSS			
		SW7	6.76	7.21	8.03	NB	8.03	NSS	NSS	7.2	NSS			
	CP N-03	SW8	6.95	4.7	7.1	NSS	NSS	NSS	7.7	7.5	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW9	6.48	7.13	7.0	NSS	NSS	NSS	7.3	7.3	NSS			
		SW10	6.53	6.86	7.1	NSS	NSS	NSS	7.9	10.5	NSS			
		DD SW2	7.53	-	7.0	NSS	NSS	NSS	7.5	7.3	NSS			
	CP N-04	SW11	5.99	7.25	6.7	NSS	NSS	7.4	NSS	7.6	NSS			
		CP N-05	DD SW1	7.62	-	7.1	7.6	7.0	7.5	7.4	7.4			
						7.9	6.7	8.2	7.9	7.3	8.0			
						7.6	8.4	8.1	8.2	7.2				
						7.8	7.9	8.0	7.7	7.8				
								7.7						
Dissolved Oxygen (DO) mg/L	CP N-01	SW1	1.6	3.0	0.6	NSS	NSS	NSS	2	3	NSS	5	-	- Quarterly - Winkler Titrimetric
		SW2	11	10	6.0	NSS	NSS	5.33	NSS	6	NSS			
		SW3	6.1	3.5	3.3	NSS	NSS	NSS	4	3	NSS			
		SW4	7.9	8.0	0.1	NSS	NSS	NSS	6	5	NSS			
		SW5	4.2	10.6	0.1	NSS	NSS	NSS	2	5	NSS			
	CP N-02	SW6	1.04	9.93	1.6	NB	1.6	NSS	NSS	3.5	NSS			
		SW7	1.55	3.01	3.2	NB	3.8	NSS	NSS	<0.1	NSS			
	CP N-03	SW8	3.8	14.07	6.0	NSS	NSS	NSS	<2	2	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW9	3.93	15.24	5.0	NSS	NSS	NSS	2	3	NSS			
		SW10	2.18	10.19	6.0	NSS	NSS	NSS	3	<2	NSS			
		DD SW2	4.76	-	7.0	NSS	NSS	NSS	3	3	NSS			
	CP N-04	SW11	9.17	17.52	6.0	NSS	NSS	7	NSS	7	NSS			
	CP N-05	DD SW1	5.89	-	6.0	7	7	4	7	9	8			
						8	7	6	7	8				
						7	7	7	5	9				
						6	8	6	7					
								11						

Biochemical Oxygen Demand (BOD) mg/L	CP N-01	SW1	10	35		NSS	NSS	NSS	96	19	NSS	7	-	- Quarterly 5-Day BOD Test (SM 5210 B)
		SW2	9	12	186.0	NSS	NSS	51	NSS	13	NSS			
		SW3	8	24	50.0	NSS	NSS	NSS	189	15	NSS			
		SW4	9	23	49.0	NSS	NSS	NSS	257	14	NSS			
		SW5	49	30	23.0	NSS	NSS	NSS	211	20	NSS			
	CP N-02	SW6	21	24	31.0	NB	7	NSS	NSS	12	NSS			
		SW7	154	32	7.0	NB	20	NSS	NSS	91	NSS			
	CP N-03	SW8	25	28	20.0	NSS	NSS	NSS	13	17	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		SW9	9	29	40.0	NSS	NSS	NSS	15	25	NSS			
		SW10	271	25	15.0	NSS	NSS	NSS	43	43	NSS			
		DD SW2	13	-	17.0	NSS	NSS	NSS	10	12	NSS			
	CP N-04	SW11	12	26	29.0	NSS	NSS	1	NSS	1	NSS			
	CP N-05	DD SW1	12	-	1.0	6	1	4	4	<1	1			
					5.0	<1	2	7	9	<1	1			
						1	<1	4	4	4				
						2	2	2	<1	2				
								<1		1				
	Total Suspended Solids (TSS) mg/L	CP N-01	SW1	21	36	NSR	NSS	NSS	NSS	13	3			
SW2			31	27	21.0	NSS	NSS	65	NSS	18	NSS			
SW3			38	68	17.0	NSS	NSS	NSS	17	28	NSS			
SW4			37	2000	18.0	NSS	NSS	NSS	88	41	NSS			
SW5			86	38	37.0	NSS	NSS	NSS	3	22	NSS			
CP N-02		SW6	27	100	7.0	NB	7	NSS	NSS	16	NSS			
		SW7	21	52	12.0	NB	12	NSS	NSS	31	NSS			
CP N-03		SW8	17	296	11.0	NSS	NSS	NSS	87	18	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW9	13.5	1,900	17.0	NSS	NSS	NSS	25	25	NSS			
		SW10	32	24	91.0	NSS	NSS	NSS	147	65	NSS			
		DD SW2	18	-	15.0	NSS	NSS	NSS	27	33	NSS			
	CP N-04	SW11	3.0	173	2.38	NSS	NSS	52	NSS	30	NSS			
	CP N-05	DD SW1	5	-	16.0	12	407	25	26	8.3	7.7			
						9.3	69	158	27	10	9.3			
						389	18	127	26	13				
						91	33	37	18	11				
								46		80				
Surfactants (MBAS) mg/L	CP N-01	SW1	0.04 43	0.0722	0.1	NSS	NSS	NSS	<0.1	<0.1	NSS	1.5	-	- Quarterly - Colorimetry Chloroform Extraction
		SW2	0.04 07	0.115	0.1	NSS	NSS	0.25	NSS	<0.1	NSS			
		SW3	0.04 92	0.179	0.1	NSS	NSS	NSS	<0.1	<0.1	NSS			
		SW4	0.07	0.0901	0.1	NSS	NSS	NSS	<0.1	<0.1	NSS			
		SW5	0.06 79	0.31	0.2	NSS	NSS	NSS	<0.1	<0.1	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)				
			Dry	Wet		Previous Quarter			This Quarter									
						Jul	Aug	Sep	Oct	Nov	Dec							
	CP N-02	SW6	0.02 82	0.0845	0.0	NB	< 0.016	NSS	NSS		0.176	NSS						
		SW7	1.05	0.182	0.0	NB	< 0.016	NSS	NSS		1.7	NSS						
	CP N-03	SW8	0.06 7	0.193	0.1	NSS	NSS	NSS	3.1	2.4	NSS							
		SW9	0.08 2 7	0.15	0.1	NSS	NSS	NSS	1.6	1.6	NSS							
		SW10	1.07	0.212	0.3	NSS	NSS	NSS	2.5	4.5	NSS							
		DD SW2	0.26 4	-	0.1	NSS	NSS	NSS	1.6	2	NSS							
	CP N-04	SW11	<0.0 07	0.299	0.1	NSS	NSS	0.2	NSS		0.07	NSS						
	CP N-05	DD SW1	0.41 3	-	0.1	0.4	0.2	0.1	0.2	0.2	0.2							
						0.3	0.3	0.2	0.3	0.2	0.3							
						0.08	0.3	0.2	0.3	0.2								
						0.3	0.4	0.4	0.2	0.1								
								0.6		0.1								
Oil and Grease (Petroleum Ether Extracts)	CP N-01	SW1	1.6	1.17	5.0	NSS	NSS	NSS	4	<1	NSS	2	-	• Quarterly • Gravimetry (n- Hexane				
		SW2	1.1	1.2	7.0	NSS	NSS	<1	NSS	<1	NSS							
		SW3	<0.5	1.63	5.0	NSS	NSS	NSS	5	<1	NSS							
		SW4	1.1	1.56	1.0	NSS	NSS	NSS	3	2	NSS							

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
mg/L		SW5	19.7	1.47	1.0	NSS	NSS	NSS	5	<1	NSS			Extraction) (SM 5520 B)
	CP N-02	SW6	0.0594	0.106	6.0	NSS	6	NSS	NSS	2	NSS			
		SW7	0.0605	0.158	4.0	NSS	4	NSS	NSS	2	NSS			
	CP N-03	SW8	1.65	1.25	2.1	NSS	NSS	NSS	1.8	1.8	NSS			
		SW9	3.2	1.7	2.1	NSS	NSS	NSS	2	2	NSS			
		SW10	1.7	1.2	3	NSS	NSS	NSS	3.1	13	NSS			
		DD SW2	0.92	-	6.2	NSS	NSS	NSS	1.6	1.8	NSS			
	CP N-04	SW11	<0.5	3.23	2.6	NSS	NSS	1.8	NSS	1.4	NSS			
	CP N-05	DD SW1	<0.5	-	6.4	9.3	1.4	1.4	2.0	1.7	2.0			
						1.8	2.8	1.6	2.3	2.1	2.0			
						1.6	2.1	1.8	2.6	1.4				
						2.1	1.5	1.7	1.4	2.0				
								1.9		2.0				
Nitrate as Nitrogen mg/L	CP N-01	SW1	0.109	0.145	0.2	NSS	NSS	NSS	<0.1	0.03	NSS	7	WB 1993: 50	- Quarterly - Colorimetry – Brucine (EPA
		SW2	0.655	0.147	0.1	NSS	NSS	NSS	NSS	0.26	NSS			
		SW3	0.39	0.144	0.2	NSS	NSS	NSS	4	0.43	NSS			

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (DAO 2016-08 and DAO 2021-19, Class C)	Referred International Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
			1											352.1)
		SW4	0.207	0.181	0.1	NB	<0.1	NSS	0.74	0.7	NSS			
		SW5	0.0686	0.197	0.3	NB	0.27	NSS	<0.1	0.04	NSS			
	CP N-02	SW6	0.0594	0.106	6.0	NB	NB	NB	NSS	0.042	NSS			
		SW7	0.0605	0.158	4.0	NB	NB	NB	NSS	<0.003	NSS			
	CP N-03	SW8	0.0763	0.155	0.1	NB	NB	0.09	2.3	2.3	NSS			
		SW9	0.171	0.168	0.2	NB	NB	0.16	0.2	2.7	NSS			
		SW10	0.61	0.30	0.1	NB	NB	0.11	0.2	0.2	NSS			
		DD SW2	0.125	-	0.1	NB	NB	0.10	0.3	0.8	NSS			
	CP N-04	SW11	0.162	0.136	0.1	NSS	NSS	0.05	NSS	2.2	NSS			
	CP N-05	DD SW1	0.485	-	1.5	0.7	0.5	0.7	1.5	1.9	0.5			
						1.0	0.5	0.5	1.2	0.9	1.7			
						1.5	0.9	0.2	1.0	1.8				
						1.2	0.4	0.8	1.8	1.5				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
								1.0		1.0				
Phosphate as Phosphorus mg/L	CP N-01	SW1	0.23 8	0.427	0.0	NSS	NSS	NSS	0.24	0.18	NSS	0.025	-	- Quarterly - Stannous Chloride Method (SM 4500-P D)
		SW2	0.07 23	0.323	0.0	NSS	NSS	0.15	NSS	0.16	NSS			
		SW3	0.12 3	0.209	0.0	NSS	NSS	NSS	0.14	0.2	NSS			
		SW4	0.09 38	0.464	0.5	NSS	NSS	NSS	0.16	0.11	NSS			
		SW5	2.88	0.925	3.7	NSS	NSS	NSS	0.44	0.39	NSS			
	CP N-02	SW6	1.79	0.948	6.0	NB	1.29	NSS	NSS	0.718	NSS			
		SW7	1.52	0.862	4.0	NB	1.14	NSS	NSS	0.573	NSS			
	CP N-03	SW8	2.62	0.862	1.3	NSS	NSS	NSS	1.5	1.5	NSS			
		SW9	0.99 8	2.16	0.8	NSS	NSS	NSS	0.8	0.8	NSS			
		SW10	1.04	<0.08	0.1	NSS	NSS	NSS	0.8	2.1	NSS			
		DD SW2	14.8	-	0.1	NSS	NSS	NSS	1.3	2.3	NSS			
	CP N-04	SW11	0.08 1	0.811	0.2	NSS	NSS	0.3	NSS	0.3	NSS			
	CP N-05	DD SW1	9.19	-	0.8	1.3	0.9	0.9	1.0	0.7	1.1			
						1.3	0.6	0.5	0.8	0.9				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
						0.3	0.9	0.6	0.8	1.1				
						1.0	0.8	0.6	0.5	0.9				
								0.8		1.0				
Phenolic Substances and Phenols mg/L	CP N-01	SW1	0.03	<0.01	<0.0009	NSS	NSS	NSS	<0.0009	<0.0009	NSS	0.05	EU 1975: <0.005 / EU 1972: <0.05	- Quarterly - USEPA Method 8041A
		SW2	0.02	<0.01	<0.0009	NSS	NSS	<0.0009	NSS	<0.0009	NSS			
		SW3	0.02	<0.01	<0.0009	NSS	NSS	NSS	<0.0009	<0.0009	NSS			
		SW4	<0.01	<0.02	<0.0009	NSS	NSS	NSS	<0.0009	<0.0009	NSS			
		SW5	<0.01	<0.02	<0.0009	NSS	NSS	NSS	<0.0009	<0.0009	NSS			
	CP N-02	SW6	0.03	<0.01	0.013	NB	0.013	NSS	NSS	<0.003	NSS			
		SW7	0.05	<0.01	0.014	NB	0.014	NSS	NSS	<0.004	NSS			
	CP N-03	SW8	0.03	<0.01	<0.00006	NSS	NSS	NSS	ND	ND	NSS			
		SW9	0.03	0.01	<0.00006	NSS	NSS	NSS	ND	ND	NSS			
		SW10	0.02	0.01	<0.00006	NSS	NSS	NSS	ND	ND	NSS			
		DD SW2	0.072	-	<0.00006	NSS	NSS	NSS	ND	ND	NSS			
	CP N-04	SW11	0.01	<0.01	28	NSS	NSS	NSR	NSS	NSR	NSS			
CP N-05	DD SW1	0.12	-	ND	ND	ND	ND	ND	ND	ND				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
						ND	ND	ND	0.001	ND				
						ND	ND	ND	ND	ND				
						ND	ND	ND	ND	ND				
						ND	ND	ND		ND				
Total coliforms	CP N-01	SW1	240	3,500, 000	NSR	NSS	NSS	NSS	>16 x 10 ⁵	11 x 10 ⁴	NSS	-	EU 1975: 500 / EU 1972: 10,000	- Quarterly - Multiple Tube Fermentation Technique (SM 9221B)
		SW2	240	17,000	NSR	NSS	NSS	24×10 ³	No sampl ing	35 x 10 ³	NSS			
		SW3	35,0 00	35,000	NSR	NSS	NSS	NSS	54 x10 ³	70 X 10 ³	NSS			
		SW4	13,0 00	17,000	46,000	NSS	NSS	NSS	54x10 3	33 X 10 ²	NSS			
		SW5	92,0 00	35,000	94,000	NSS	NSS	NSS	70 x 10 ³	11 x 10 ³	NSS			
	CP N-02	SW6	17,0 00	16000 0	230,000	NB	2.3×10 5	NSS	NSS	4.9x10 4	NSS			
		SW7	2400 000	35000 00	490,000	NB	4.9×10 5	NSS	NSS	5.4x10 5	NSS			
	CP N-03	SW8	1.6× 10 ⁶	1.6×10 6	540,000	NSS	NSS	NSS	20 x 10 ⁴	20 x 10 ⁵	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW9	2,400	3,5×10 ⁶	350,000	NSS	NSS	NSS	16 x 10 ⁵	24 x 10 ⁵	NSS			
		SW10	1.7×10 ⁷	160,000	54,000	NSS	NSS	NSS	6 x 10 ⁶	35 x 10 ⁵	NSS			
		DD SW2	24×10 ⁵	-	1,600,000	NSS	NSS	NSS	24 x 10 ⁴	54 x 10 ⁴	NSS			
	CP N-04	SW11	<1.8	35,000	350.00	NSS	NSS	350	NSS	9.200	NSS			
	CP N-05	DD SW1	54×10 ³	-	5,400	170	<1.8	35,000	<1.8	<1.8	11,000			
						2.0	<1.8	35,000	3,500	<1.8				
						160,000	4.5	160,000	2,400	<1.8	160,000			
						<1.8	<1.8	240,000	<1.8	5,400	<1.8			
								2.0		<1.8				
Fecal coliforms MPN / 100 mL	CP N-01	SW1	240	330,000	NSR	NSS	NSS	NSS	92 x 10 ⁴	11 x 10 ⁴	NSS	200	EU 1975: 100 / EU 1972: 2,000	- Quarterly - Multiple Tube Fermentation Technique (SM 9221 E1)
		SW2	34	14,000	NSR	NSS	NSS	49×10 ²	NSS	11 x 10 ³	NSS			
		SW3	35,000	24,000	NSR	NSS	NSS	NSS	35 x 10 ³	11 x 10 ³	NSS			
		SW4	2,300	2,100	46,000	NSS	NSS	NSS	22 x 10 ³	33 x 10 ²	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		SW5	17,000	35,000	94,000	NSS	NSS	NSS	46 x 10 ³	11 x 10 ³	NSS			
	CP N-02	SW6	17,000	16,000	130,000	NB	1.3x10 ⁵	NSS	NSS	4.9x10 ⁴	NSS			
		SW7	2400000	1300000	130,000	NB	1.3x10 ⁵	NSS	NSS	5.4x10 ^{Λ5}	NSS			
	CP N-03	SW8	1.6x10 ⁶	9.2X10 ⁵	350,000	NSS	NSS	NSS	20 x 10 ⁴	20 x 10 ⁵	NSS			
		SW9	920	3.5X10 ⁶	240,000	NSS	NSS	NSS	54 x 10 ⁴	13 x 10 ⁵	NSS			
		SW10	3.4x10 ⁶	24,000	54,000	NSS	NSS	NSS	54 x 10 ⁵	31 x 10 ⁴	NSS			
		DD SW2	13x10 ⁵	-	1,600,000	NSS	NSS	NSS	13 x 10 ⁴	17 x 10 ⁴	NSS			
	CP N-04	SW11	<1.8	24,000	350	NSS	NSS	170	NSS	790				
	CP N-05	DD SW1	17x10 ³	-	1,700	7.8	<1.8	3,500	<1.8	<1.8	940			
						<1.8	<1.8	17,000	3,500	<1.8	2,400			
						35,000	<1.8	92,000	40	<1.8				
								54,000		1,700				
						<1.8	<1.8	2.0	<1.8	<1.8				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
Chloride as Cl mg/L	CP N-01	SW1	69	41	29	NSS	NSS	NSS	10	21	NSS	350	WB 1993: 250	- Quarterly - Argento- metric Method (SM4500 Cl- B)
		SW2	1,623	22	21	NSS	NSS	<1	NSS	14	NSS			
		SW3	1,205	14	24	NSS	NSS	NSS	10	17	NSS			
		SW4	41	13	20	NSS	NSS	NSS	6	11	NSS			
		SW5	220	100	25	NSS	NSS	NSS	8	23	NSS			
	CP N-02	SW6	110	21	18	NB	18	NSS	NSS	31	NSS			
		SW7	43	20	20	NB	43	NSS	NSS	<1	NSS			
	CP N-03	SW8	48	13	67.4	NSS	NSS	NSS	35	37	NSS			
		SW9	34	15.8	33.7	NSS	NSS	NSS	31	60	NSS			
		SW10	87	3.4	9.9	NSS	NSS	NSS	33	184	NSS			
		DD SW2	57.89	-	65.6	NSS	NSS	NSS	36	39	NSS			
	CP N-04	SW11	13	13		NSS	NSS	13	NSS	14	NSS			
	CP N-05	DD SW1	111	-	71	121	122	77	107	122	81			
						64	72	40	75	95	78			
						19	99	48	69	183				
						77	33	59	47	87				
								133		81				
Copper (Dissolved)	CP N-01	SW1	0.0228	0.0160	0.006	NSS	NSS	NSS	<0.003	0.02	NSS	0.02	WB 1993: 2	Quarterly

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (DAO 2016-08 and DAO 2021-19, Class C)	Referred International Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
Copper) mg/L		SW2	0.0361	0.0174	0.007	NSS	NSS	0.005	NSS	0.009	NSS			• ICP-OES
		SW3	0.0257	0.0164	<0.003	NSS	NSS	NSS	<0.003	0.03	NSS			
		SW4	0.0441	0.0210	<0.003	NSS	NSS	NSS	<0.003	0.01	NSS			
		SW5	<0.005	0.0067	<0.003	NSS	NSS	NSS	<0.003	0.01	NSS			
	CP N-02	SW6	<0.005	0.0111	<0.004	NB	<0.004	NSS	NSS	<0.004	NSS			
		SW7	<0.005	0.005	<0.004	NB	<0.004	NSS	NSS	<0.004	NSS			
	CP N-03	SW8	<0.005	0.015	<0.005	NSS	NSS	NSS	0.005	<0.003	NSS			
		SW9	0.0267	0.0520	<0.005	NSS	NSS	NSS	<0.003	0.07	NSS			
		SW10	0.0416	0.008	<0.005	NSS	NSS	NSS	0.009	0.01	NSS			
		DD SW2	0.0084	-	<0.005	NSS	NSS	NSS	<0.003	<0.003	NSS			
	CP N-04	SW11	0.0234	0.0293	0.004	NSS	NSS	0.004	NSS	0.004	NSS			
	CP N-05	DD SW1	0.0106	-	0.006	0.03	0.04	0.009	0.01	0.009	0.01			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
						0.03	<0.003	0.007	0.01	0.02	0.02			
						0.008	0.01	0.01	0.02	0.009				
						0.03	0.01	0.01	0.007	0.005				
								0.008		0.007				
Arsenic (As) mg/L	CP N-01	SW1	0.0018	<0.0009	<0.005	NSS	NSS	NSS	13	<0.005	NSS	0.02	WB 1993: 0.01	- Quarterly - ICP-OES
		SW2	0.003	<0.0009	<0.005	NSS	NSS	<0.005	NSS	<0.005	NSS			
		SW3	<0.0009	<0.0009	<0.005	NSS	NSS	NSS	<0.005	<0.005	NSS			
		SW4	0.0018	<0.0009	<0.005	NSS	NSS	NSS	<0.005	<0.005	NSS			
		SW5	0.004	<0.0009	<0.005	NSS	NSS	NSS	<0.005	<0.005	NSS			
	CP N-02	SW6	0.0031	<0.0009	<0.001	NB	<0.001	NSS	NSS	<0.001	NSS			
		SW7	0.0045	<0.0009	<0.001	NB	<0.001	NSS	NSS	<0.001	NSS			
	CP N-03	SW8	0.0031	<0.0009	<0.0007	NSS	NSS	NSS	<0.005	<0.005	NSS			
		SW9	0.00	<0.000	<0.0007	NSS	NSS	NSS	<0.00	<0.005	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
			29	9					5					
		SW10	0.00 2	<0.000 9	0.0009	NSS	NSS	NSS	<0.00 5	<0.005	NSS			
		DD SW2	<0.0 009	-	<0.0007	NSS	NSS	NSS	<0.00 5	<0.005	NSS			
	CP N-04	SW11	0.00 22	<0.000 9	<0.005	NSS	NSS	<0.005	NSS	<0.005	NSS			
	CP N-05	DD SW1	<0.0 009	-	<0.008	<0.005	<0.005	<0.008	<0.00 5	<0.005	<0.005			
						<0.005	<0.005	<0.005	<0.00 5	<0.005	<0.005			
						<0.008	<0.005	<0.005	<0.00 5	<0.005				
						<0.005	<0.005	<0.005	<0.00 5	<0.005				
								<0.005		<0.005				
	Cadmium (Cd) mg/L	CP N-01	SW1	0.00 41	<0.002	<0.003	NSS	NSS	NSS	<0.00 3	<0.005			
SW2			0.00 41	<0.002	<0.003	NSS	NSS	<0.003	NSS	<0.005	NSS			
SW3			<0.0 02	<0.002	<0.003	NSS	NSS	NSS	<0.00 3	<0.005	NSS			
SW4			<0.0 02	0.0039	<0.003	NSS	NSS	NSS	<0.00 3	<0.005	NSS			
SW5			<0.0	<0.002	<0.003	NSS	NSS	NSS	<0.00	<0.005	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
			02						3					
	CP N-02	SW6	<0.0 02	<0.002	<0.001	NB	<0.001	NSS	NSS	NSR	NSS			
		SW7	<0.0 02	0.0062	<0.001	NB	<0.001	NSS	NSS	NSR	NSS			
	CP N-03	SW8	<0.0 02	0.0041	<0.003	NSS	NSS	NSS	<0.00 1	<0.001	NSS			
		SW9	0.00 41	0.0101	<0.003	NSS	NSS	NSS	<0.00 1	<0.001	NSS			
		SW10	<0.0 02	0.0034	<0.003	NSS	NSS	NSS	<0.00 1	<0.001	NSS			
		DD SW2	-	-	<0.003	NSS	NSS	NSS	<0.00 1	<0.001	NSS			
	CP N-04	SW11	<0.0 02	0.0048	<0.001	NSS	NSS	<0.001	NSS	<0.001	NSS			
	CP N-05	DD SW1	<0.0 02	-	<0.001	<0.001	<0.001	<0.001	<0.00 1	<0.001	<0.001			
						<0.001	<0.001	<0.001	<0.00 1	<0.001	<0.001			
						<0.001	<0.001	<0.001	<0.00 1	<0.001				
						<0.001	<0.001	<0.001	<0.00 1	<0.005				
								<0.001		<0.001				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
Chromium Hexavalent (Cr ⁶⁺) mg/L	CP N-01	SW1	<0.0 02	<0.03	<0.005	NSS	NSS	NSS	0.04	<0.005	NSS	0.01	WB 1993: 0.05	- Quarterly - Diphenylcarbazi de, Colorimetric Method (SM3500-Cr B)
		SW2	<0.0 02	<0.03	<0.005	NSS	NSS	0.12	NSS	<0.005	NSS			
		SW3	<0.0 02	<0.03	<0.005	NSS	NSS	NSS	0.07	<0.005	NSS			
		SW4	<0.0 02	<0.03	<0.005	NSS	NSS	NSS	0.16	<0.005	NSS			
		SW5	0.00 4	<0.03	<0.005	NSS	NSS	NSS	0.05	<0.005	NSS			
	CP N-02	SW6	<0.0 02	<0.03	<0.1	NB	<0.1	NSS	NSS	NSR	NSS			
		SW7	<0.0 02	<0.03	<0.1	NB	<0.1	NSS	NSS	NSR	NSS			
	CP N-03	SW8	<0.0 02	<0.03	<0.01	NSS	NSS	NSS	<0.00 4	<0.004	NSS			
		SW9	<0.0 02	<0.03	<0.01	NSS	NSS	NSS	<0.00 4	<0.004	NSS			
		SW10	<0.0 02	<0.03	<0.01	NSS	NSS	NSS	<0.00 4	<0.004	NSS			
		DD SW2	-	-	<0.01	NSS	NSS	NSS	<0.00 4	<0.004	NSS			
	CP N-04	SW11	<0.0 02	<0.03	<0.01	NSS	NSS	<0.004	NSS	<0.004	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
	CP N-05	DD SW1	<0.002	-	NS	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004			
						<0.004	<0.004	<0.004	<0.004	<0.004	<0.004			
						<0.004	<0.004	<0.004	<0.004	<0.004				
						<0.004	<0.004	<0.004	<0.004	<0.004				
								<0.004						
Cyanide (CN ⁻) mg/L	CP N-01	SW1	0.0289	0.027	<0.04	NSS	NSS	NSS	<0.004	<0.004	NSS	0.1	WB 1993: 0.07	- Quarterly - Ion Selective Electrode (SM 4500 CN-F)
		SW2	0.0243	<0.001	<0.04	NSS	NSS	<0.004	NSS	<0.004	NSS			
		SW3	0.0368	<0.001	<0.04	NSS	NSS	NSS	<0.004	<0.004	NSS			
		SW4	0.0399	<0.001	<0.004	NSS	NSS	NSS	<0.004	<0.004	NSS			
		SW5	0.0619	<0.001	<0.004	NSS	NSS	NSS	<0.004	<0.004	NSS			
	CP N-02	SW6	0.0714	<0.001	<0.012	NB	<0.012	NSS	NSS	NSR	NSS			
		SW7	0.0521	<0.001	<0.012	NB	<0.012	NSS	NSS	NSR	NSS			
	CP N-03	SW8	0.05	<0.001	<0.01	NSS	NSS	NSS	<0.00	<0.007	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)	
						Previous Quarter			This Quarter						
			Dry	Wet			Jul	Aug	Sep	Oct	Nov				Dec
			1 6						7						
		SW9	0.02 74	<0.001	<0.12	NSS	NSS	NSS	<0.00 7	<0.007	NSS				
		SW10	0.02 69	<0.001	<0.01	NSS	NSS	NSS	0.06	0.4	NSS				
		DD SW2	0.01 7	-	<0.01	NSS	NSS	NSS	<0.00 7	<0.007	NSS				
	CP N-04	SW11	0.02 61	<0.001	<0.007	NSS	NSS	<0.007	NSS	<0.007	NSS				
	CP N-05	DD SW1	0.00 9	-	<0.007	0.01	0.01	0.01	0.01	<0.007	0.01				
						0.01	0.01	0.01	0.009	0.01	0.01				
						0.01	0.009	0.009	0.01	0.01					
						<0.007	0.01	0.01	0.008	0.01					
								0.01		0.007					
Lead (Pb) mg/L	CP N-01	SW1	0.05 30	0.0177	<0.01	NSS	NSS	NSS	<0.01	<0.01	NSS	0.05	WB 1993: 0.01	- Quarterly - ICP-OES	
		SW2	0.03 27	0.0114	<0.01	NSS	NSS	<0.01	NSS	<0.01	NSS				
		SW3	0.01 7	<0.006	<0.01	NSS	NSS	NSS	<0.01	<0.01	NSS				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		SW4	0.0282	<0.006	<0.01	NSS	NSS	NSS	<0.01	<0.01	NSS			
		SW5	<0.006	0.0088	<0.01	NSS	NSS	NSS	<0.01	<0.01	NSS			
	CP N-02	SW6	0.0157	<0.006	<0.003	NB	<0.003	NSS	NSS	NSR	NSS			
		SW7	<0.006	<0.006	<0.003	NB	<0.003	NSS	NSS	NSR	NSS			
	CP N-03	SW8	<0.006	<0.006	<0.01	NSS	NSS	NSS	<0.005	<0.005	NSS			
		SW9	0.0241	0.0455	<0.01	NSS	NSS	NSS	<0.005	<0.005	NSS			
		SW10	0.0137	0.0247	<0.01	NSS	NSS	NSS	<0.005	<0.005	NSS			
		DD SW2	0.0233	-	<0.01	NSS	NSS	NSS	<0.005	<0.005	NSS			
	CP N-04	SW11	0.0327	0.0102	<0.005	NSS	NSS	<0.005	NSS	<0.005	NSS			
	CP N-05	DD SW1	<0.006	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
						<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
						<0.005	<0.005	<0.005	<0.005	<0.005				

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
						<0.005	<0.005	<0.005	<0.005	<0.005				
								<0.005		<0.005				
Total Mercury (Hg) mg/L	CP N-01	SW1	<0.0001	<0.0001	<0.0001	NSS	NSS	NSS	<0.2	<0.001	NSS	0.002	WB 1993: 0.001	- Quarterly - Manual Cold Vapor AAs
		SW2	<0.0001	<0.0001	<0.0001	NSS	NSS	<0.2	<0.2	<0.001	NSS			
		SW3	<0.0001	<0.0001	<0.0001	NSS	NSS	NSS	<0.2	0.004	NSS			
		SW4	<0.0001	<0.0001	<0.0001	NSS	NSS	NSS	<0.2	0.002	NSS			
		SW5	<0.0001	<0.0001	<0.0001	NSS	NSS	NSS	<0.2	0.002	NSS			
	CP N-02	SW6	<0.0001	<0.0001	0.0025	NB	0.0025	NSS	NSS	NSR	NSS			
		SW7	<0.0001	<0.0001	0.001	NB	0.0010	NSS	NSS	NSR	NSS			
	CP N-03	SW8	<0.0001	<0.0001	<0.0004	NSS	NSS	NSS	<0.002	<0.0002	NSS			
		SW9	<0.0001	0.0001	<0.0004	NSS	NSS	NSS	<0.002	<0.0002	NSS			
		SW10	<0.0001	0.0001	<0.0004	NSS	NSS	NSS	<0.002	<0.0002	NSS			
		DD	-	-	<0.0004	NSS	NSS	NSS	<0.00	<0.000	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		SW2							02	2				
	CP N-04	SW11	<0.0 001	0.0002	<0.0002	NSS	NSS	<0.000 2	NSS	<0.000 2	NSS			
	CP N-05	DD SW1	<0.0 001	-	<0.0002	<0.000 2	<0.000 2	<0.000 2	<0.00 02	<0.000 2	<0.0002			
						<0.000 2	<0.000 2	<0.000 2	<0.00 02	<0.000 2	<0.0002			
						<0.000 2	<0.000 2	<0.000 2	<0.00 02	<0.000 2				
						<0.000 2	<0.000 2	<0.000 2	<0.00 02	<0.000 2				
								<0.000 2		<0.000 2				
Organophos phate as Malathion µg/L	CP N-01	SW1	<0.0 1	<0.2	<0.036	NSS	NSS	NSS	<0.11	NSS	<0.12	3	-	- Quarterly - EPA Method 8141A
		SW2	<0.0 1	<0.2	<0.036	NSS	NSS	<0.036	NSS	<0.12	NSS			
		SW3	<0.0 1	<0.2	<0.036	NSS	NSS	NSS	<0.11	<0.12	NSS			
		SW4	<0.0 1	<0.2	<0.036	NSS	NSS	NSS	<0.11	<0.12	NSS			
		SW5	<0.0 1	<0.2	<0.036	NSS	NSS	NSS	<0.11	<0.12	NSS			
	CP N-02	SW6	<0.0 1	<0.2	NSR	NB	NSR	NSS	NSS	NSR	NSS			

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (DAO 2016-08 and DAO 2021-19, Class C)	Referred International Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		SW7	<0.0 ₁	<0.2	NSR	NB	NSR	NSS	NSS	NSR	NSS			
	CP N-03	SW8	<0.0 ₁	<0.2	<0.5	NSS	NSS	NSS	ND	ND	NSS			
		SW9	<0.0 ₁	<0.2	<0.5	NSS	NSS	NSS	ND	ND	NSS			
		SW10	<0.0 ₁	<0.2	<0.5	NSS	NSS	NSS	ND	ND	NSS			
		DD SW2	<0.5	-	<0.5	NSS	NSS	NSS	ND	ND	NSS			
	CP N-04	SW11	<0.0 ₁	<0.2	NSR	NSS	NSS	NSR	NSS	ND	NSS			
	CP N-05	DD SW1	<0.5	-	ND	ND	ND	ND	ND	ND	ND			
						ND	ND	ND	ND	ND	ND			
						ND	ND	ND	ND	ND				
						ND	ND	ND	ND	ND				
								ND		ND				
Electric conductivity μS/cm	CP N-01	SW1	510	394	NSR	NSS	NSS	NSS	NSR	NSR	NSS	-	-	- Quarterly - Conductimetry - CP N-01, CP N-02, and CP N-
		SW2	3,139	351	NSR	NSS	NSS	NSR	NSS	NSR	NSS			
		SW3	4,190	382	NSR	NSS	NSS	NSS	NSR	NSR	NSS			
		SW4	322	314	NSR	NSS	NSS	NSS	NSR	NSR	NSS			

Parameter	CP	Sampli ng Station	Baseline (EIS 2020)		Contracto r's Baseline	2021 Results						Country's Standard s (DAO 2016-08 and DAO 2021-19, Class C)	Referred Internation al Standards (WHO 1993, EU 1975/1972)	Remarks (Measurement Point, Frequency, Method, etc.)
						Previous Quarter			This Quarter					
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
		SW5	2,037	682	NSR	NSS	NSS	NSS	NSR	NSR	NSS			05 didn't have conductivity in the parameters being analyzed by the laboratory, following the requirements of General Specification Sec. 118.
	CP N-02	SW6	877	342	NSR	NB	NSR	NSS	NSS	NSR	NSS			
		SW7	654	279	NSR	NB	NSR	NSS	NSS	NSR	NSS			
	CP N-03	SW8	677	158	854.0	NSS	NSS	NSS	624	616	NSS			
		SW9	500	236	709.1	NSS	NSS	NSS	518	544	NSS			
		SW10	436	937	89.3	NSS	NSS	NSS	404	1360	NSS			
		DD SW2	513	-	1,318.0	NSS	NSS	NSS	618	607	NSS			
	CP N-04	SW11	340	248	364	NSS	NSS	398	NSS	374	NSS			
	CP N-05	DD SW1	83	-	NSR	NSR	NSR	NSR	NSR	NSR	NSR			

Note:
CP N-05 conducts weekly surface water monitoring due to ongoing construction activities near the river.

Legend:

- Stations are additional stations and thus have no or incomplete wet and dry baseline values in the EIS
- ND Not detected (as reported by the third-party laboratory)
- NSS No sampling scheduled for the month
- NSR No sampling results (parameter not analyzed/required)
- NB No baseline sampled/conducted during the month
- Exceeded the guideline value

Table 10: Ground Water Quality

Parameter	CP	Samplin	Baseline	Contrac	2021 Results	Country's	Referre	Remarks
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		g Station	(EIS 2020)		tor's Baselin e	Previous Quarter			This Quarter			Standard s (PNSDW 2017)	d Interna tional Stand ards (WHO 1993)	(Measure-ment Point, Frequency, Method, etc.)
			Dry	Wet		Jul	Aug	Sep	Oct	Nov	Dec			
pH (Range)	CP N-03	GW4	6.62	6.70	6.4	NSS	NSS	NSS	NSS	NSS	NSS	6.5-8.5	WB 1993: <8	- Once before construction - Electro-metric Method
		GW5	6.46	6.34	6.0	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	6.52	-	6.1	NSS	NSS	NSS	NSS	NSS	NSS			
Color TCU	CP N-03	GW4	<5	10	10	NSS	NSS	NSS	NSS	NSS	NSS	10	-	- Once before construction - Visual Comparison
		GW5	<5	<5	<5	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	5	-	10	NSS	NSS	NSS	NSS	NSS	NSS			
Temperature °C	CP N-03	GW4	27.9	28.5	28	NSS	NSS	NSS	NSS	NSS	NSS	-	-	- Once before construction - Laboratory & Field Method (SM2550 B)
		GW5	28.2	29.1	28	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	27.4	-	27.3	NSS	NSS	NSS	NSS	NSS	NSS			
Sodium (Na) mg/L	CP N-03	GW4	15	65	45.41	NSS	NSS	NSS	NSS	NSS	NSS	200	WB 1993: 200	- Once before construction - Flame AAS
		GW5	21	63	45.30	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	113	-	167	NSS	NSS	NSS	NSS	NSS	NSS			
Potassium (K)	CP N-03	GW4	6.4	14	13.50	NSS	NSS	NSS	NSS	NSS	NSS	-	-	Once before

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (PNSDW 2017)	Referred International Standards (WHO 1993)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
mg/L		GW5	7.2	10	13.63	NSS	NSS	NSS	NSS	NSS	NSS			construction
	CP N-05	DD GW1	4..68	-	12	NSS	NSS	NSS	NSS	NSS	NSS			Flame AAS
Calcium (Ca) mg/L	CP N-03	GW4	15	-	40.10	NSS	NSS	NSS	NSS	NSS	NSS	-	-	Once before construction
		GW5	30	7.9	59.17	NSS	NSS	NSS	NSS	NSS	NSS			Flame AAS
	CP N-05	DD GW1	29.3	-	21	NSS	NSS	NSS	NSS	NSS	NSS			
Magnesium (Mg) mg/L	CP N-03	GW4	6.4	9.5	8.42	NSS	NSS	NSS	NSS	NSS	NSS	-	-	Once before construction
		GW5	13	31	18.00	NSS	NSS	NSS	NSS	NSS	NSS			Flame AAS
	CP N-05	DD GW1	9.28	-	10	NSS	NSS	NSS	NSS	NSS	NSS			
Bicarbonate mg/L	CP N-03	GW4	86	147	195.3	NSS	NSS	NSS	NSS	NSS	NSS	-	-	Once before construction
		GW5	113	113	129.2	NSS	NSS	NSS	NSS	NSS	NSS			

Parameter	CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	2021 Results						Country's Standards (PNSDW 2017)	Referred International Standards (WHO 1993)	Remarks (Measurement Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
	CP N-05	DD GW1	144	-	219	NSS	NSS	NSS	NSS	NSS	NSS			Titrimetry
Chloride (Cl ⁻) mg/L	CP N-03	GW4	31	19	40.0	NSS	NSS	NSS	NSS	NSS	NSS	250	WB 1993: 250	- Once before construction - Argentometric Method (SM4500 Cl-B)
		GW5	61	48	42.9	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	84.3	-	128	NSS	NSS	NSS	NSS	NSS	NSS			
Sulfate (SO ⁴⁻) mg/L	CP N-03	GW4	69	88	49	NSS	NSS	NSS	NSS	NSS	NSS	250	WB 1993: 250	- Once before construction - Turbidimetric Method
		GW5	87	392	70	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	93	-	56	NSS	NSS	NSS	NSS	NSS	NSS			
Nitrate-N mg/L	CP N-03	GW4	0.18	1.2	1.00	NSS	NSS	NSS	NSS	NSS	NSS	50	WB 1993: 50	Once before construction

Parameter	CP	Samplin g Station	Baseline (EIS 2020)		Contra ctor's Baselin e	2021 Results						Country's Standard s (PNSDW 2017)	Referre d Interna tional Standards (WHO 1993)	Remarks (Measure-ment Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		GW5	0.55	0.18	6.00	NSS	NSS	NSS	NSS	NSS	NSS			• Colorimetry – Brucine (EPA 352.1)
	CP N-05	DD GW1	0.13	-	0.9	NSS	NSS	NSS	NSS	NSS	NSS			
Arsenic (As) mg/L	CP N-03	GW4	0.0016	<0.0009	<0.0007	NSS	NSS	NSS	NSS	NSS	NSS	0.01	WB 1993: 0.01	• Once before construction • ICP-OES
		GW5	0.0022	<0.0009	0.0020	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	0	-	<0.008	NSS	NSS	NSS	NSS	NSS	NSS			
Cadmium (Cd) mg/L	CP N-03	GW4	<0.002	0.0051	<0.003	NSS	NSS	NSS	NSS	NSS	NSS	0.003	WB 1993: 0.003	• Once before construction • ICP-OES
		GW5	<0.002	<0.002	<0.003	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	0.0038	-	<0.001	NSS	NSS	NSS	NSS	NSS	NSS			
Chromium (Cr) mg/L	CP N-03	GW4	<0.002	<0.002	<0.01	NSS	NSS	NSS	NSS	NSS	NSS	0.05	WB 1993: 0.05	• Once before

Parameter	CP	Samplin g Station	Baseline (EIS 2020)		Contra tor's Baselin e	2021 Results						Country's Standard s (PNSDW 2017)	Referre d Interna tional Standards (WHO 1993)	Remarks (Measure-ment Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		GW5	<0.002	0.0102	<0.01	NSS	NSS	NSS	NSS	NSS	NSS			construction
	CP N-05	DD GW1	0	-	<0.004	NSS	NSS	NSS	NSS	NSS	NSS			Diphenylcarb azide, Colorimetric Method (SM3500-Cr B)
Cyanide, total (CN ⁻) mg/L	CP N-03	GW4	0.0458	0.004	<0.01	NSS	NSS	NSS	NSS	NSS	NSS	0.5	WB 1993: 0.07	Once before construction
		GW5	0.0333	<0.001	<0.01	NSS	NSS	NSS	NSS	NSS	NSS			Ion Selective Electrode (SM 4500 CN-F)
	CP N-05	DD GW1	0.014	-	<0.01	NSS	NSS	NSS	NSS	NSS	NSS			
Lead (Pb) mg/L	CP N-03	GW4	<0.006	0.068	<0.01	NSS	NSS	NSS	NSS	NSS	NSS	0.01	WB 1993: 0.01	Once before construction
		GW5	<0.006	<0.006	<0.01	NSS	NSS	NSS	NSS	NSS	NSS			ICP-OES
	CP N-05	DD GW1	0	-	<0.005	NSS	NSS	NSS	NSS	NSS	NSS			
Mercury, total (Hg)	CP N-03	GW4	<0.0001	0.0017	<0.0004	NSS	NSS	NSS	NSS	NSS	NSS	0.001	WB 1993: 0.001	Once before

Parameter	CP	Samplin g Station	Baseline (EIS 2020)		Contrac tor's Baselin e	2021 Results						Country's Standard s (PNSDW 2017)	Referre d Interna tional Standar ds (WHO 1993)	Remarks (Measure-ment Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
mg/L		GW5	<0.0001	<0.0001	<0.0004	NSS	NSS	NSS	NSS	NSS	NSS			construction • Manual Cold Vapor AAs
	CP N-05	DD GW1	0	-	<0.0002	NSS	NSS	NSS	NSS	NSS	NSS			
Total coliforms	CP N-03	GW4	<1.1	>8	>8.0	NSS	NSS	NSS	NSS	NSS	NSS	<1.1	WB 1993: 0	• Once before construction • Multiple Tube Fermentation Technique (SM 9221B)
		GW5	<1.1	>8	>8.0	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	>8	-	>8.0	NSS	NSS	NSS	NSS	NSS	NSS			
Fecal coliforms MPN/100 mL	CP N-03	GW4	<1.1	8	>8.0	NSS	NSS	NSS	NSS	NSS	NSS	-	WB 1993: 0	• Once before construction • Multiple Tube Fermentation Technique (SM 9221 E1)
		GW5	<1.1	8	>8.0	NSS	NSS	NSS	NSS	NSS	NSS			
	CP N-05	DD GW1	<1.1	-	1.1	NSS	NSS	NSS	NSS	NSS	NSS			
Conductivity μS/cm	CP N-03	GW4	326	556	618.1	NSS	NSS	NSS	NSS	NSS	NSS	-	-	• Once before

Parameter	CP	Samplin g Station	Baseline (EIS 2020)		Contrac tor's Baselin e	2021 Results						Country's Standard s (PNSDW 2017)	Referre d Interna tional Stand ards (WHO 1993)	Remarks (Measure-ment Point, Frequency, Method, etc.)
			Dry	Wet		Previous Quarter			This Quarter					
						Jul	Aug	Sep	Oct	Nov	Dec			
		GW5	493	796	819.8	NSS	NSS	NSS	NSS	NSS	NSS			construction
	CP N-05	DD GW1	705	-	866	NSS	NSS	NSS	NSS	NSS	NSS			Conductimetr y
Total Dissolved Solids (TDS) mg/L	CP N-03	GW4	160	273	434	NSS	NSS	NSS	NSS	NSS	NSS	600	WB 1993: 1,000	Once before construction
		GW5	242	390	560	NSS	NSS	NSS	NSS	NSS	NSS			Gravimetry (SM2540 C)
	CP N-05	DD GW1	458	-	497	NSS	NSS	NSS	NSS	NSS	NSS			

Note:

Groundwater sampling is required to be conducted only once before construction.

Legend:

- Stations are additional stations and thus have no or incomplete wet and dry baseline values in the EIS
- NSS No sampling scheduled for the month
- NB No baseline sampled/conducted during the month
- NSR No Sampling Results
- Exceeded the guideline value

Table 11: Noise Level

Daytime										
Daytime 0700H–2200H										
Residential; Institutional; Educational (RIE): 55 dBA, 1-hour LAeq										
Industrial/ Commercial (IC): 70 dBA, 1-hour LAeq										
CP	Sampling station	EIS Baseline 2020 (WBG 2007)		Contractor 's Baseline	Monitoring Period					
		Dry	Wet		Previous Quarter			This Quarter		
					July	August	September	October	November	December
CP N-01	N02(RIE)	61.1	69.7	56.4	NSS	NSS	45.7	55.2	62.6	57.5
	N03(RIE)	67.3	79.1	75.4	NSS	NSS	62.0	68.1	62.2	69.4
CP N-02	N04(RIE)	66.2	86.3	73.5	NSS	73.5	71.2	73.4	71.8	67.7
	N05(RIE)	60.2	57.5	71.9	NSS	71.9	70.9	65.9	67.0	72.4
	N06(RIE)	70.3	75.4	68.1	NSS	68.1	70.9	69.6	67.3	67.7
	N07(RIE)	61.8	80.2	74.1	NSS	73.4	73.5	77.3	74.6	73.7
CP N-03	N08 (RIE)	65.7	72.5	52.2	NSS	NSS	NSS	NSS	75.7	56.3
	N09 (RIE)	59.9	67.6	61.4	NSS	NSS	NSS	NSS	51	48.2
	N10 (RIE)	66.9	74.9	61.3	NSS	56.2	NSS	NSS	61.7	56.8
	N11 (RIE)	62.9	63.7	52.5	NSS	48.3	NSS	NSS	49.9	51.9
CP N-04	N12 (RIE)	61.5	81.4	62.09	49.93	53.18	52.51	56.61	64.3	59.55
CP N-05	DD N1 (IC)	52.4	-	54.4	46.8	54.8	54.4	52.6	67.6	62.7

Nighttime										
Nighttime 2200H–0700H										
Residential; Institutional; Educational: 45 dBA, 1-hour LAeq										
Industrial /Commercial: 70 dBA, 1-hour LAeq										
CP	Sampling station	EIS Baseline 2020 (WBG 2007)		Contractor 's Baseline	Monitoring Period					
		Previous Quarter			This Quarter					
		Dry	Wet		July	August	September	October	November	December
		Nighttime	Nighttime							
CP N-01	N02	65.8	63	51.8	NSS	NSS	48.4 (min) 51.6 (max)	51.4	62.2(min) 62.3(max)	61.3
	N03	63	67.3	66.1	NSS	NSS	62.2 (min) 62.3 (max)	60.7	60.4(min) 72.0(max)	61.8
CP N-02	N04	60.1	69.9	68.5	NSS	63.5 (min) 68.5 (max)	No Record	58.4(min) 62.6(max)	67.1	66.7
	N05	60.9	49.3	72	NSS	58.4(min)	62.5(min)	52.0(min)	65.4	65.9

Nighttime										
Nighttime 2200H–0700H										
Residential; Institutional; Educational: 45 dBA, 1-hour LAeq										
Industrial /Commercial: 70 dBA, 1-hour LAeq										
CP	Sampling station	EIS Baseline 2020 (WBG 2007)		Contractor 's Baseline	Monitoring Period					
		Dry	Wet		Previous Quarter			This Quarter		
					July	August	September	October	November	December
						69.1(max)	69.1(max)	65.4(max)		
	N06	51.9	69.7	66.3	NSS	50.2(min) 66.3(max)	53.5(min) 62.7(max)	50.2(min) 61.8(max)	64.9	67.3
	N07	65.3	70.2	74.6	NSS	NSS	NSS	61.2 (min) 72.8 (max)	73.3	74.3
CP N-03	N08	62.5	59.8	52.2	NSS	NSS	NSS	NSS	60.5	77.7
	N09	64.4	71.5	51.2	NSS	NSS	NSS	NSS	48.7	47.2
	N10	65.5	66.5	51.7	NSS	48.8	NSS	NSS	56.6	55
	N11	51.4	62	43.1	NSS	44.4	NSS	NSS	38.4	40.1
CP N-04	N12	61.2	91.9	54.61	45.17	51.66	51.31	52.74	60.5	52.97
CP N-05	DD N1	56.3	-	47.4	44.7(min) 53.7(max)	54.8(min) 64.6(max)	55.4(min) 56.3(max)	52.6	60.4	59.3

Legend:

- Stations are additional stations and thus have no or incomplete wet and dry baseline values in the EIS
- NSS No sampling scheduled for the month
- NB No baseline sampled/conducted during the month
- Exceeded the guideline value

Table 12: Vibration Level

CP	Sampli ng Station	Baseline (EIS 2020)		Contractor's Baseline	Previous Quarter			This Quarter			Referred International Standards (U.S. FTA, 2016, Ground-Borne Vibration Impact Criteria) ¹	Remarks (Measurement Point, Frequency, Method, etc.)
		In/s	dB		Jul	Aug	Sep	Oct	Nov	Dec		

CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	Previous Quarter			This Quarter			Referred International Standards (U.S. FTA, 2016, Ground-Borne Vibration Impact Criteria) ¹	Remarks (Measurement Point, Frequency, Method, etc.)
		In/s	dB		Jul	Aug	Sep	Oct	Nov	Dec		
CP N-01	V02	0.039	89.5	0.112pvs/94.9 dBA, au	NSS	NSS	NSS	NSS	1.083 mm/s 91.3 VdB	1.378 mm/s/ 94.9V dB	72 (Category 2, Frequent Events)	- Monthly 24-hr sampling - Vibron Seismometer
	V03	0.028	86.3	0.116 pvs/100.9 dBA, au	NSS	NSS	2.908 mm/s 91.4 dBA	NSS	1.176 mm/s 93.7 VdB	5.555 mm/s/ 92.9 VdB		
CP N-02	V04	0.051	93.1	0.048 pvs/96.9 au	NB	1.213 mm/s 96.6V db	NSS	2.302 mm/s 93.9V db	NSS	0.733 mm/s/ 93.8V dB		
	V05	0.045	90.2	0.513 pvs/91.6 au	NB	13.02 6mm/s 91.6 Vdb	NSS	1.377 mm/s 95.1V db	NSS	6.750 mm/s/ 94.4V dB		

CP	Sampling Station	Baseline (EIS 2020)		Contractor's Baseline	Previous Quarter			This Quarter			Referred International Standards (U.S. FTA, 2016, Ground-Borne Vibration Impact Criteria) ¹	Remarks (Measurement Point, Frequency, Method, etc.)
		In/s	dB		Jul	Aug	Sep	Oct	Nov	Dec		
	V06	0.068	94.8	0.052 pvs/96.2 au	NB	1.331 mm/s 96.2 Vdb	NSS	0.633 mm/s 94.9V db	NSS	0.601 mm/s/ 92.8V dB		
	V07	0.047	92.3	0.113 pvs/ 93.8 au	NB	2.870 mm/s 93.8 Vdb	NSS	0.998 mm/s 98.0V db	NSS	0.722 mm/s/ 95.8V dB		
CP N-03	V08	0.051	93.2	0.039 pvs/102.7 dBA, au	NSS	NSS	NSS	NSS	0.018 in/s 61.0 dB	0.018i n/sec/ 61.0V dB		
	V09	0.053	91.1	0.031 pvs/92.6 dBA, au	NSS	NSS	NSS	NSS	0.050i n/s 64.6 dB	0.050 in/sec /17VdB		
	V10	0.046	91.4	0.072 pvs/100.5 dBA, au	NSS	NSS	NSS	NSS	0.137 n/s 63.2 dB	0.137 in/sec /63.2 VdB		
	V11	0.036	87.5	0.116 pvs/103.3 dBA, au	NSS	NSS	NSS	NSS	1.785i n/s 64.7 dB	1.785i n/sec/ 64.7V dB		

CP	Sampli ng Station	Baseline (EIS 2020)		Contractor's Baseline	Previous Quarter			This Quarter			Referred International Standards (U.S. FTA, 2016, Ground-Borne Vibration Impact Criteria) ¹	Remarks (Measurement Point, Frequency, Method, etc.)
		In/s	dB		Jul	Aug	Sep	Oct	Nov	Dec		
CP N-04	V12	0.102	98.9	0.0018 max, z-axis	57 Vdb	56 Vdb	55 Vdb	NSS	.0049 in/s./5 4VdB	0.005 6in/s/ 55Vd B		
CP N-05	DD V01	0.00073	71.1	0.0016 max, z-axis/51.0 max, z-axis	53 Vdb	58 Vdb	57 Vdb	0.007 cm/s 57 Vdb	0.006 cm/s 55 Vdb	0.005 5 cm/s, 55Vd B		

Legend:

- Stations are additional stations and thus have no or incomplete wet and dry baseline values in the EIS
- NSS No sampling scheduled for the month
- NB No baseline sampled/conducted during the month
- Exceeded the guideline value