3RD QUARTER MMT CMDC VALIDATION

4th Quarter Air, Noise and Water Sampling

PULOT NICKEL MINING PROJECT
Brgy. Punang/Pulot Interior/Labog, Sofronio Española, Palawan

Sampling Team:
EMB MIMAROPA Region
PEMU Palawan – SEMS Zosima D. Jampit
Regional Office – Geologist Niño Jefferson L. Rojas

PHO: Nelso C. Virgo

LGU: Jessie Galang
Daniel Boston

CMDC Representatives: Nalma A. Asmad and company

OUTLINE

ENVIRONMENTAL LAWS

I. R.A. No. 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990)
II. R.A. No. 9003 (Ecological Solid Waste Management of 2000)
III. R.A. No. 9275 (Philippine Clean Water Act of 2004)
    - Water Sampling Activities
IV. R.A. No. 8749 (Philippine Clean Air Act of 1999)
    - Air and Noise Sampling Activities

01

R.A. 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990)

01 R.A. 6969 (Toxic Substances and hazardous and Nuclear Wastes Control Act of 1990)

01 R.A. 6969 (Toxic Substances and hazardous and Nuclear Wastes Control Act of 1990)

FINDINGS AND OBSERVATIONS

The two (2) contractors for this project (Canipaan Earth Resources Inc. (CERI) and Ireah Trading Corporation (ITC) already have an accredited PCO. Online applications for HWG ID are now on going with the company's assistance.

GENERAL RECOMMENDATIONS

Continue promptness of compliances to existing environmental laws covered by the project.
Continue the assistance to the contractors in complying applicable environmental laws.

02

R.A. No. 9003 (Ecological Solid Waste Management of 2000)

02

R.A. 9003 (Ecological Solid Waste Management of 2000)

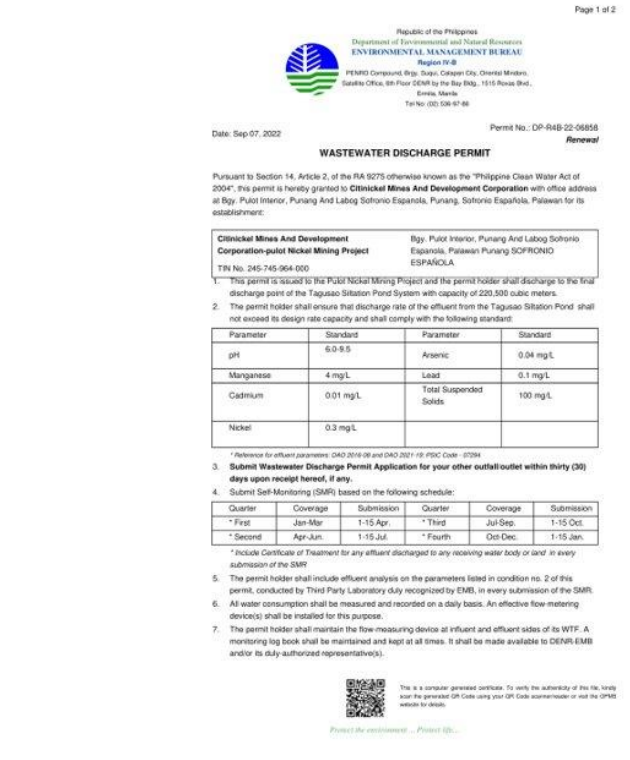
FINDINGS AND OBSERVATIONS

The company is still using the old admin building as temporary RCA while the MOA with the concerned LGU-Espanola is still on process.

03

R.A. No. 9275 (Philippine Clean Water Act of 2004)

03 R.A. No. 9275 (Philippine Clean Water Act of 2004)



Page 1 of 2

Republic of the Philippines
Department of Environmental and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Region IV-B
PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro,
Satellite Office, 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No. (02) 536-97-88

Date: Sep 07, 2022

Permit No.: DP-R4B-22-06858
Renewal

WASTEWATER DISCHARGE PERMIT

Pursuant to Section 14, Article 2, of the RA 9275 otherwise known as the "Philippine Clean Water Act of 2004", this permit is hereby granted to **Citinickel Mines And Development Corporation** with office address at Bgy. Pulot Interior, Punang And Labog Sofronio Espanola, Punang, Sofronio Española, Palawan for its establishment:

Citinickel Mines And Development Corporation-pulot Nickel Mining Project TIN No. 245-745-964-000	Bgy. Pulot Interior, Punang And Labog Sofronio Espanola, Palawan Punang SOFRONIO ESPAÑOLA

1. This permit is issued to the Pulot Nickel Mining Project and the permit holder shall discharge to the final discharge point of the Tagusao Siltation Pond System with capacity of 220,500 cubic meters.
2. The permit holder shall ensure that discharge rate of the effluent from the Tagusao Siltation Pond shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0-9.5	Arsenic	0.04 mg/L
Manganese	4 mg/L	Lead	0.1 mg/L
Cadmium	0.01 mg/L	Total Suspended Solids	100 mg/L
Nickel	0.3 mg/L		

** Reference for effluent parameters: DAO 2016-08 and DAO 2021-19; PSIC Code - 07294*

3. **Submit Wastewater Discharge Permit Application for your other outfall/outlet within thirty (30) days upon receipt hereof, if any.**
4. Submit Self-Monitoring (SMR) based on the following schedule:

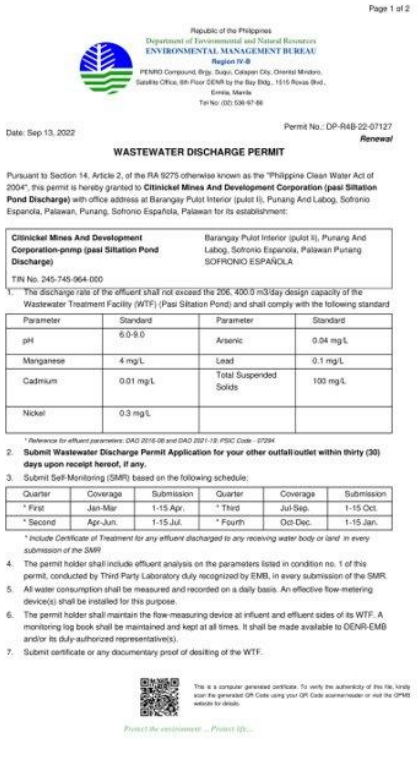
Quarter	Coverage	Submission	Quarter	Coverage	Submission
* First	Jan-Mar	1-15 Apr.	* Third	Jul-Sep.	1-15 Oct.
* Second	Apr-Jun.	1-15 Jul.	* Fourth	Oct-Dec.	1-15 Jan.

** Include Certificate of Treatment for any effluent discharged to any receiving water body or land in every submission of the SMR*

5. The permit holder shall include effluent analysis on the parameters listed in condition no. 2 of this permit, conducted by Third Party Laboratory duly recognized by EMB, in every submission of the SMR.
6. All water consumption shall be measured and recorded on a daily basis. An effective flow-metering device(s) shall be installed for this purpose.
7. The permit holder shall maintain the flow-measuring device at influent and effluent sides of its WTF. A monitoring log book shall be maintained and kept at all times. It shall be made available to DENR-EMB and/or its duly-authorized representative(s).

This is a computer generated certificate. To verify the authenticity of this file, kindly scan the generated QR Code using your QR Code scanner/reader or visit the OPMS website for details.

Protect the environment ... Protect life...



Page 1 of 2

Republic of the Philippines
Department of Environmental and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Region IV-B
PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro,
Satellite Office, 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No. (02) 536-97-88

Date: Sep 13, 2022

Permit No.: DP-R4B-22-07127
Renewal

WASTEWATER DISCHARGE PERMIT

Pursuant to Section 14, Article 2, of the RA 9275 otherwise known as the "Philippine Clean Water Act of 2004", this permit is hereby granted to **Citinickel Mines And Development Corporation (pasi Siltation Pond Discharge)** with office address at Barangay Pulot Interior (pulot Ii), Punang And Labog, Sofronio Espanola, Palawan, Punang, Sofronio Española, Palawan for its establishment:

Citinickel Mines And Development Corporation-pnmp (pasi Siltation Pond Discharge) TIN No. 245-745-964-000	Barangay Pulot Interior (pulot Ii), Punang And Labog, Sofronio Espanola, Palawan Punang SOFRONIO ESPAÑOLA

1. The discharge rate of the effluent shall not exceed the 206, 400.0 m3/day design capacity of the Wastewater Treatment Facility (WTF) (Pasi Siltation Pond) and shall comply with the following standard

Parameter	Standard	Parameter	Standard
pH	6.0-9.0	Arsenic	0.04 mg/L
Manganese	4 mg/L	Lead	0.1 mg/L
Cadmium	0.01 mg/L	Total Suspended Solids	100 mg/L
Nickel	0.3 mg/L		

** Reference for effluent parameters: DAO 2016-08 and DAO 2021-19; PSIC Code - 07294*

2. **Submit Wastewater Discharge Permit Application for your other outfall/outlet within thirty (30) days upon receipt hereof, if any.**
3. Submit Self-Monitoring (SMR) based on the following schedule:

Quarter	Coverage	Submission	Quarter	Coverage	Submission
* First	Jan-Mar	1-15 Apr.	* Third	Jul-Sep.	1-15 Oct.
* Second	Apr-Jun.	1-15 Jul.	* Fourth	Oct-Dec.	1-15 Jan.

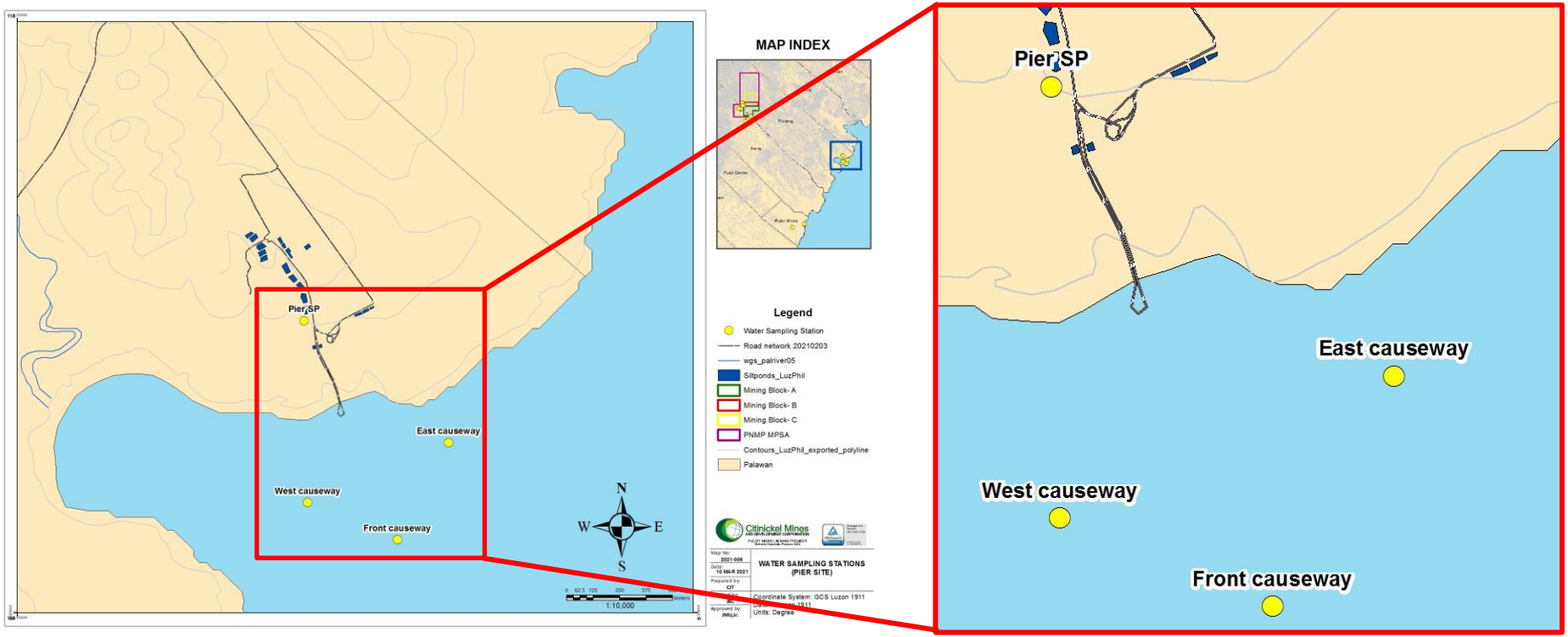
** Include Certificate of Treatment for any effluent discharged to any receiving water body or land in every submission of the SMR*

4. The permit holder shall include effluent analysis on the parameters listed in condition no. 1 of this permit, conducted by Third Party Laboratory duly recognized by EMB, in every submission of the SMR.
5. All water consumption shall be measured and recorded on a daily basis. An effective flow-metering device(s) shall be installed for this purpose.
6. The permit holder shall maintain the flow-measuring device at influent and effluent sides of its WTF. A monitoring log book shall be maintained and kept at all times. It shall be made available to DENR-EMB and/or its duly-authorized representative(s).
7. Submit certificate or any documentary proof of desilting of the WTF.

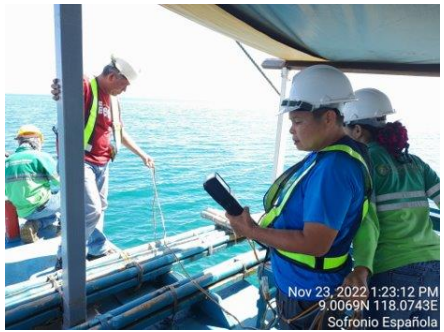
This is a computer generated certificate. To verify the authenticity of this file, kindly scan the generated QR Code using your QR Code scanner/reader or visit the OPMS website for details.

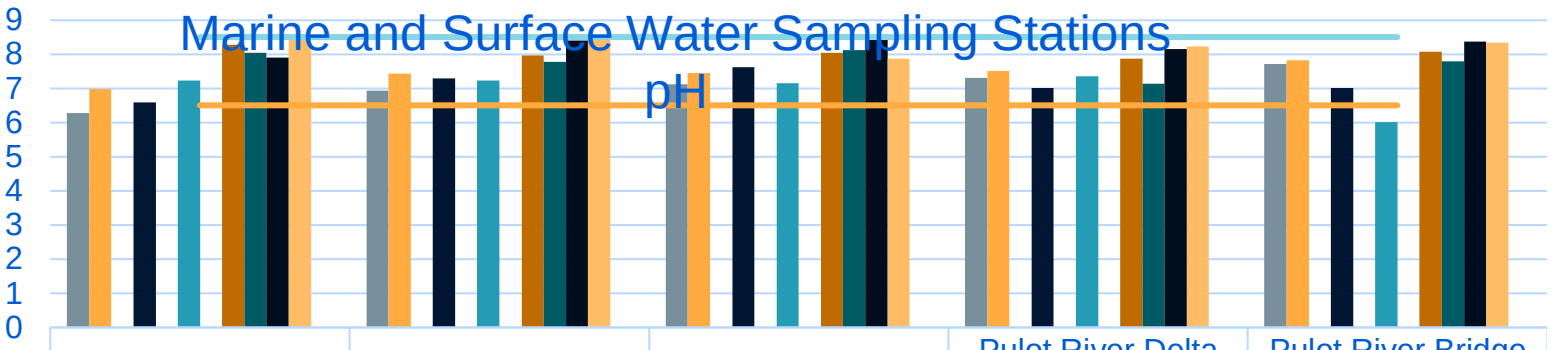
Protect the environment ... Protect life...

Pier Site Water Sampling Stations



MARINE WATER SAMPLING

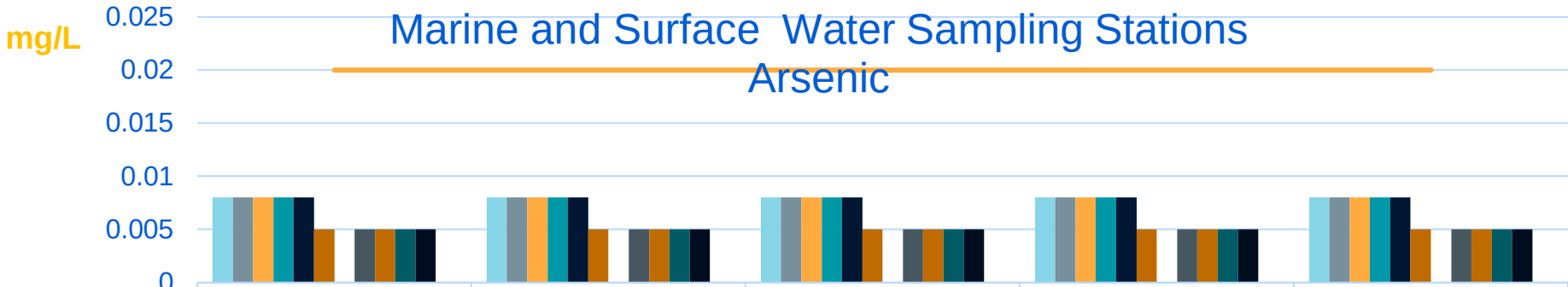




	East Causeway	Front Causeway	West Causeway	Pulot River Delta (Surface)	Pulot River Bridge (Surface)
1Q2020	6.28	6.94	7.12	7.31	7.71
2Q2020	6.98	7.44	7.45	7.51	7.82
3Q2020	0	0	0	0	0
4Q2020	6.6	7.29	7.63	7.02	7.01
1Q2021	0	0	0	0	0
2Q2021	7.24	7.24	7.16	7.36	6.02
3Q2021	0	0	0	0	0
4Q2021	8.28	7.97	8.05	7.88	8.08
1Q2022	8.05	7.78	8.13	7.14	7.8
2Q2022	7.9	8.4	8.44	8.15	8.38
3Q2022	8.45	8.49	7.87	8.23	8.34
4Q2022					
DENR Standard (min)	6.5	6.5	6.5	6.5	6.5
DENR Standard (max)	8.5	8.5	8.5	8.5	8.5

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

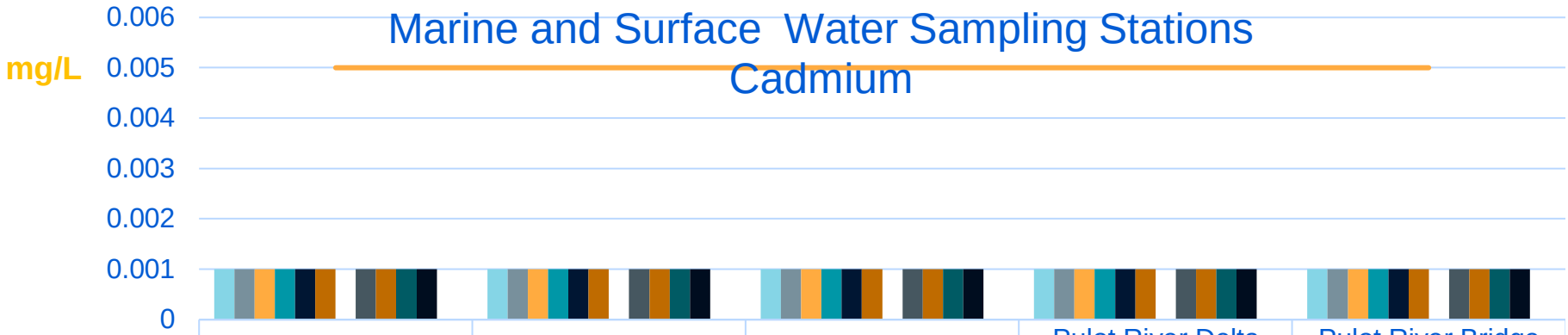
Marine and Surface Water Sampling Stations
Arsenic



	East Causeway	Front Causeway	West Causeway	Pulot River Delta (Surface)	Pulot River Bridge (Surface)
1Q2020	0.008	0.008	0.008	0.008	0.008
2Q2020	0.008	0.008	0.008	0.008	0.008
3Q2020	0.008	0.008	0.008	0.008	0.008
4Q2020	0.008	0.008	0.008	0.008	0.008
1Q2021	0.008	0.008	0.008	0.008	0.008
2Q2021	0.005	0.005	0.005	0.005	0.005
3Q2021	0	0	0	0	0
4Q2021	0.005	0.005	0.005	0.005	0.005
1Q2022	0.005	0.005	0.005	0.005	0.005
2Q2022	0.005	0.005	0.005	0.005	0.005
3Q2022	0.005	0.005	0.005	0.005	0.005
4Q2022					
DENR Standard	0.02	0.02	0.02	0.02	0.02

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

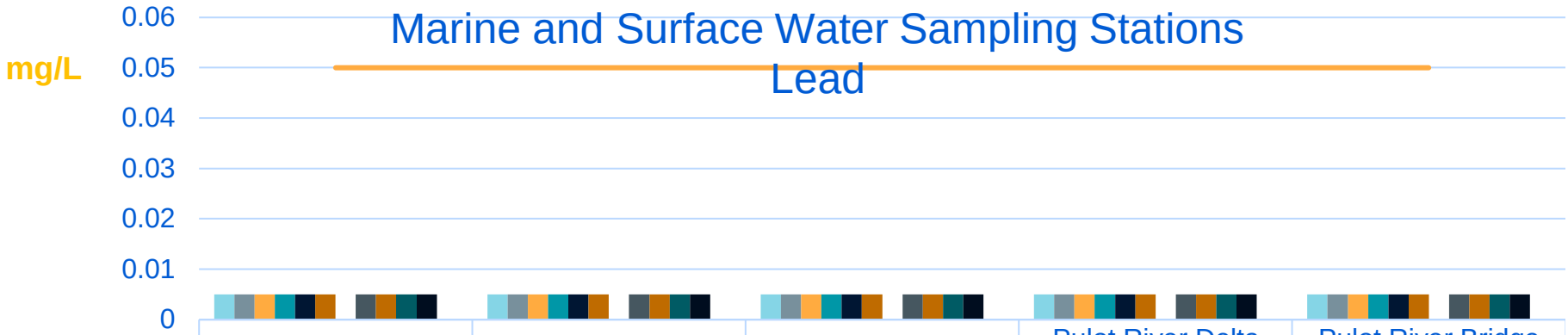
Marine and Surface Water Sampling Stations
Cadmium



	East Causeway	Front Causeway	West Causeway	Pulot River Delta (Surface)	Pulot River Bridge (Surface)
1Q2020	0.001	0.001	0.001	0.001	0.001
2Q2020	0.001	0.001	0.001	0.001	0.001
3Q2020	0.001	0.001	0.001	0.001	0.001
4Q2020	0.001	0.001	0.001	0.001	0.001
1Q2021	0.001	0.001	0.001	0.001	0.001
2Q2021	0.001	0.001	0.001	0.001	0.001
3Q2021	0	0	0	0	0
4Q2021	0.001	0.001	0.001	0.001	0.001
1Q2022	0.001	0.001	0.001	0.001	0.001
2Q2022	0.001	0.001	0.001	0.001	0.001
3Q2022	0.001	0.001	0.001	0.001	0.001
4Q2022					
DENR Standard	0.005	0.005	0.005	0.005	0.005

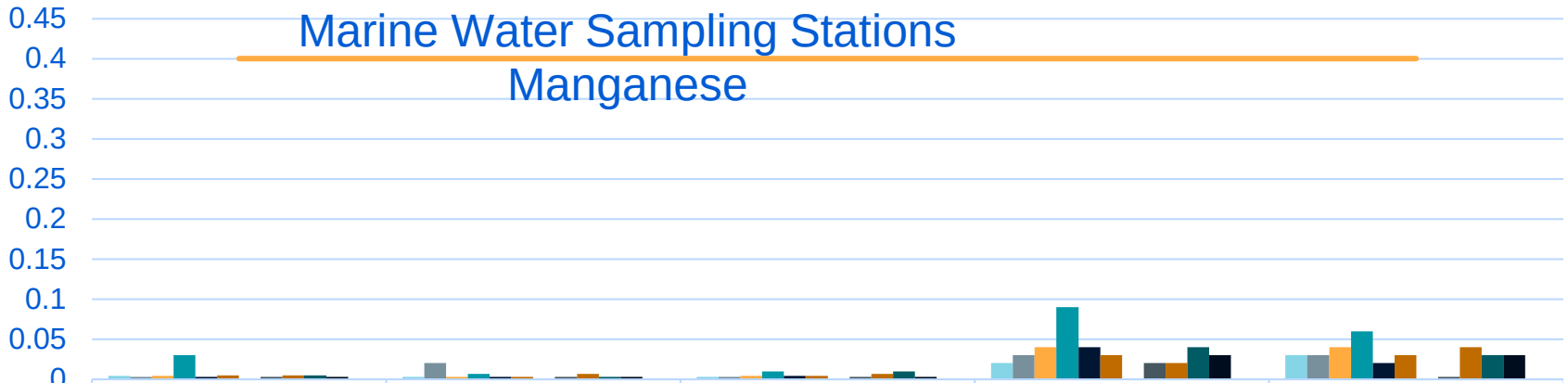
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

Marine and Surface Water Sampling Stations
Lead



	East Causeway	Front Causeway	West Causeway	Pulot River Delta (Surface)	Pulot River Bridge (Surface)
1Q2020	0.005	0.005	0.005	0.005	0.005
2Q2020	0.005	0.005	0.005	0.005	0.005
3Q2020	0.005	0.005	0.005	0.005	0.005
4Q2020	0.005	0.005	0.005	0.005	0.005
1Q2021	0.005	0.005	0.005	0.005	0.005
2Q2021	0.005	0.005	0.005	0.005	0.005
3Q2021	0	0	0	0	0
4Q2021	0.005	0.005	0.005	0.005	0.005
1Q2022	0.005	0.005	0.005	0.005	0.005
2Q2022	0.005	0.005	0.005	0.005	0.005
3Q2022	0.005	0.005	0.005	0.005	0.005
4Q2022					
DENR Standard	0.05	0.05	0.05	0.05	0.05

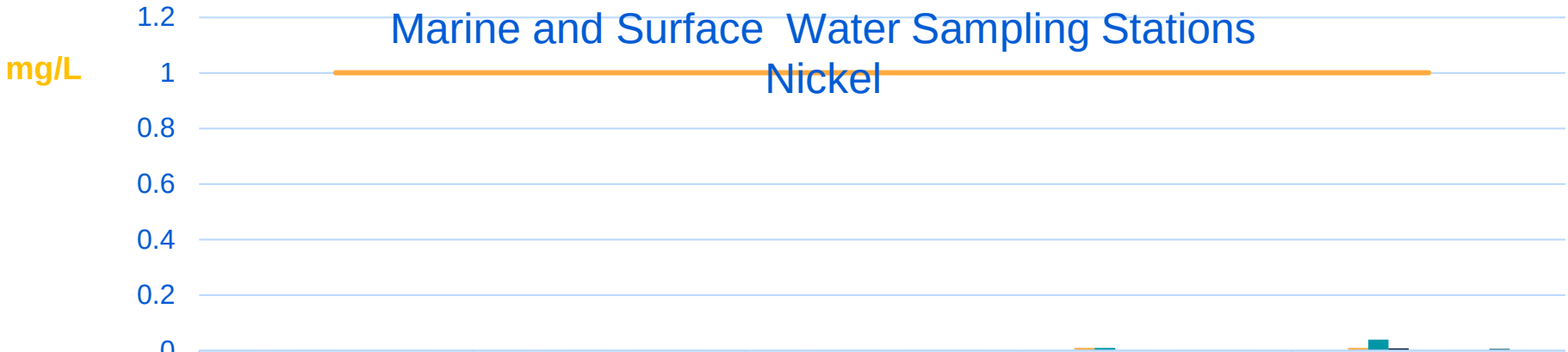
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	East Causeway	Front Causeway	West Causeway	Pulot River Delta	Pulot River Bridge
1Q2020	0.004	0.003	0.003	0.02	0.03
2Q2020	0.003	0.02	0.003	0.03	0.03
3Q2020	0.004	0.003	0.004	0.04	0.04
4Q2020	0.03	0.007	0.01	0.09	0.06
1Q2021	0.003	0.003	0.004	0.04	0.02
2Q2021	0.005	0.003	0.004	0.03	0.03
3Q2021	0	0	0	0	0
4Q2021	0.003	0.003	0.003	0.02	0.003
1Q2022	0.005	0.007	0.007	0.02	0.04
2Q2022	0.005	0.003	0.01	0.04	0.03
3Q2022	0.003	0.003	0.003	0.03	0.03
4Q2022					
DENR Standard	0.4	0.4	0.4	0.4	0.4

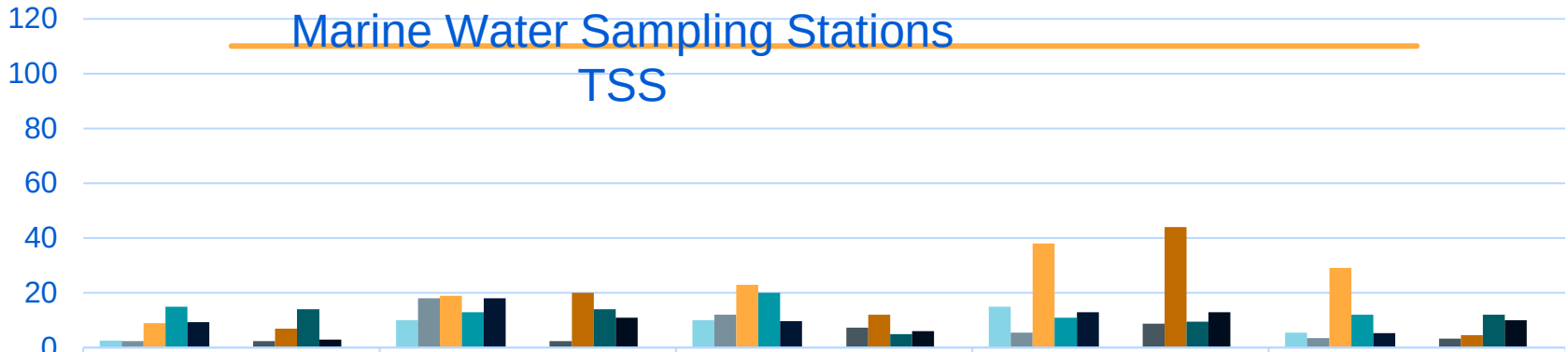
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

Marine and Surface Water Sampling Stations
Nickel



	East Causeway	Front Causeway	West Causeway	Pulot River Delta	Pulot River Bridge
1Q2020	0.003	0.003	0.003	0.003	0.003
2Q2020	0.003	0.003	0.003	0.003	0.003
3Q2020	0.003	0.003	0.003	0.01	0.01
4Q2020	0.003	0.003	0.003	0.01	0.04
1Q2021	0.003	0.003	0.003	0.003	0.009
2Q2021	0.003	0.003	0.003	0.003	0.003
3Q2021	0	0	0	0	0
4Q2021	0.003	0.003	0.003	0.003	0.003
1Q2022	0.003	0.003	0.003	0.003	0.003
2Q2022	0.003	0.003	0.003	0.003	0.007
3Q2022	0.003	0.003	0.003	0.003	0.003
4Q2022					
DENR Standard	1	1	1	1	1

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

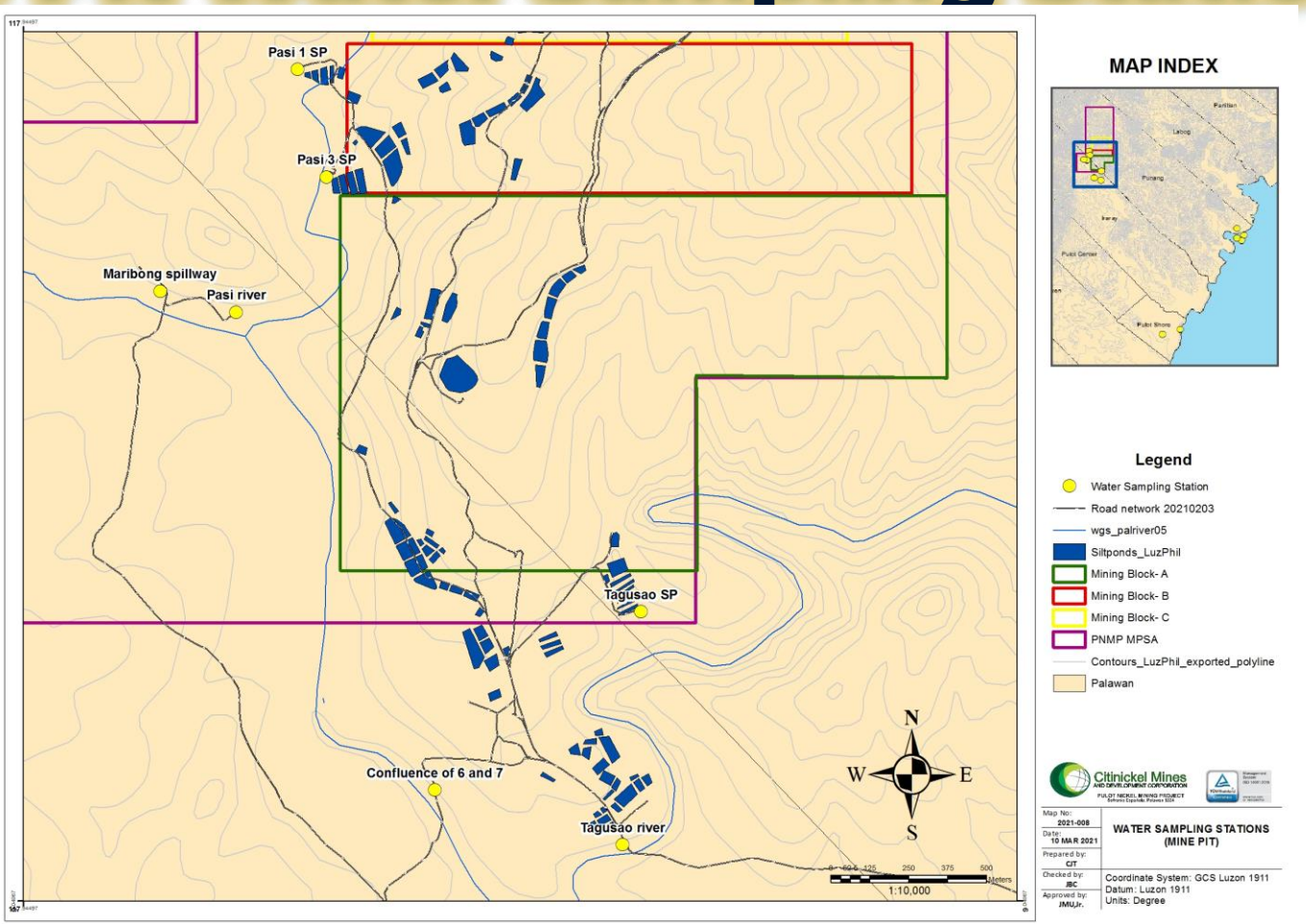


	East Causeway	Front Causeway	West Causeway	Pulot River Delta (Surface)	Pulot River Bridge (Surface)
1Q2020	2.5	10	10	15	5.5
2Q2020	2.38	18	12	5.5	3.5
3Q2020	9	19	23	38	29
4Q2020	15	13	20	11	12
1Q2021	9.3	18	9.7	13	5.3
2Q2021	0	0	0	0	0
3Q2021	0	0	0	0	0
4Q2021	2.38	2.38	7.3	8.7	3.3
1Q2022	7	20	12	44	4.5
2Q2022	14	14	5	9.5	12
3Q2022	3	11	6	13	10
4Q2022					
DENR Standard	110	110	110	110	110

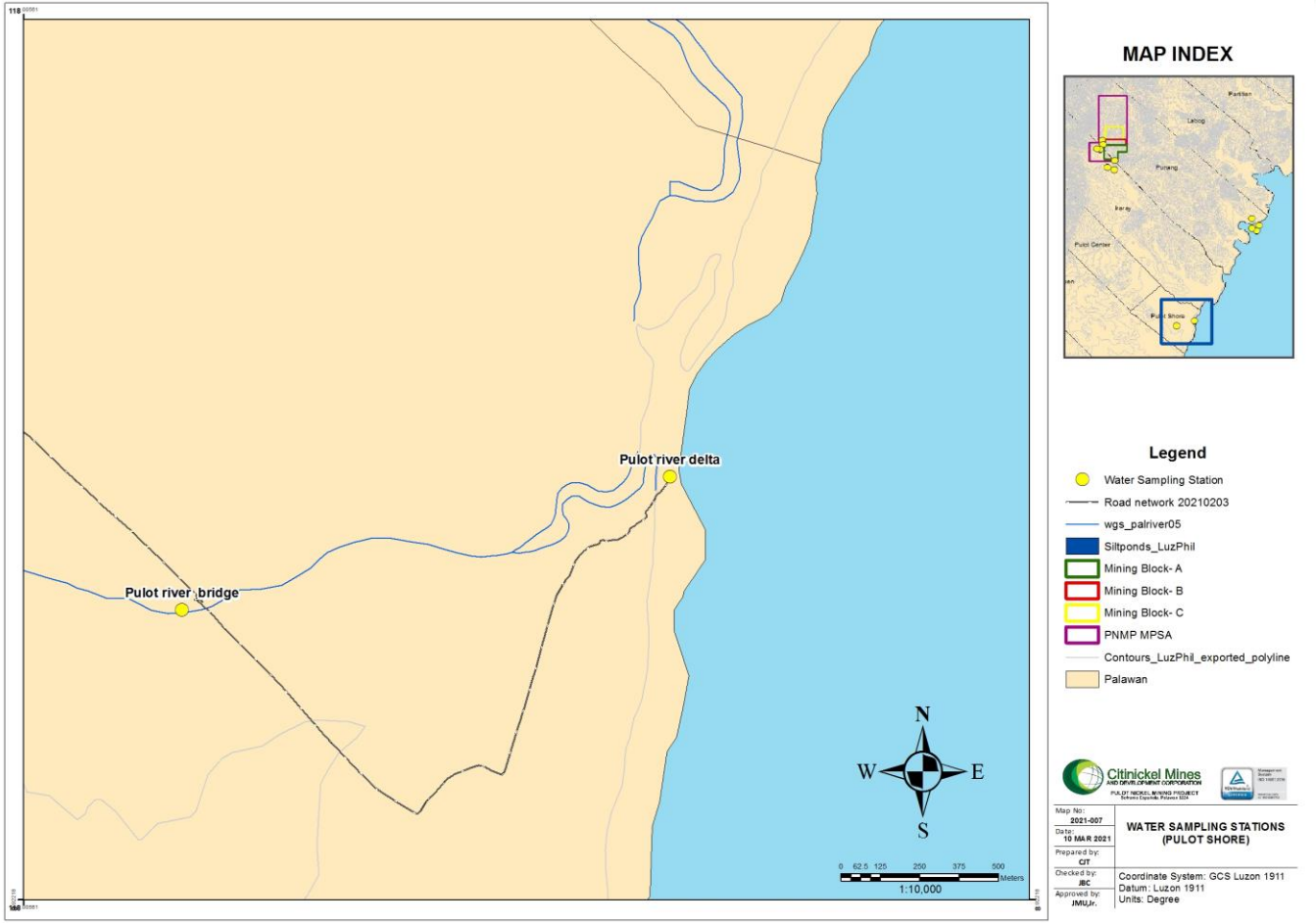
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

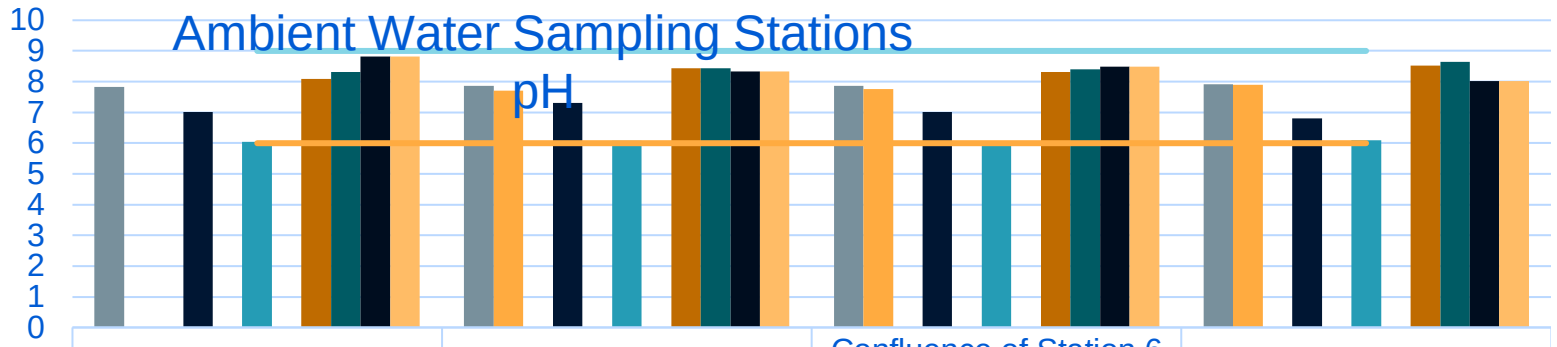
AMBIENT WATER SAMPLING

Mine Pit Water Sampling Stations



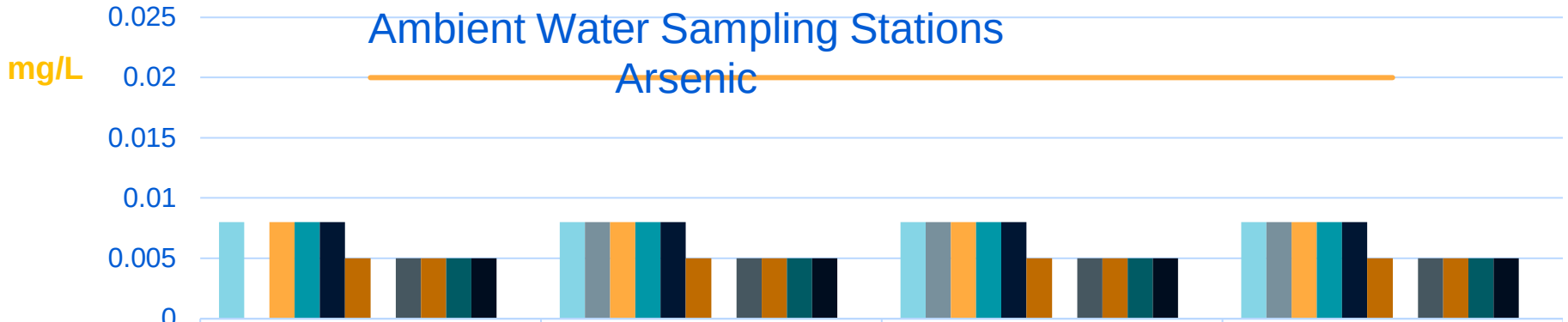
Pulot Shore Water Sampling Stations





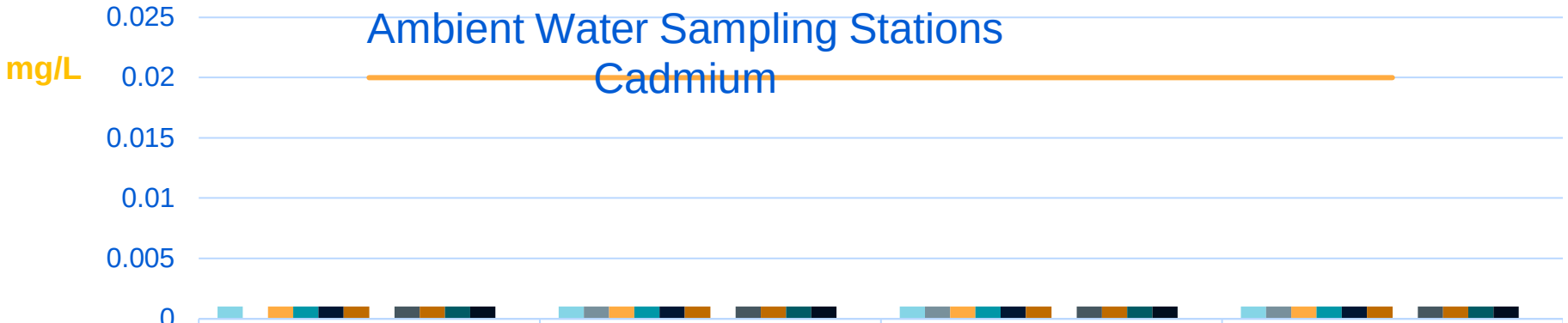
	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	7.82	7.86	7.87	7.91
2Q2020	0	7.7	7.76	7.89
3Q2020	0	0	0	0
4Q2020	7.02	7.3	7.01	6.8
1Q2021	0	0	0	0
2Q2021	6.05	6.07	6.06	6.09
3Q2021	0	0	0	0
4Q2021	8.08	8.44	8.32	8.52
1Q2022	8.31	8.43	8.4	8.64
2Q2022	8.82	8.34	8.48	8.02
3Q2022	8.82	8.34	8.48	8.02
DENR Standard (min)	6	6	6	6
DENR Standard (max)	9	9	9	9
4Q2022				

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



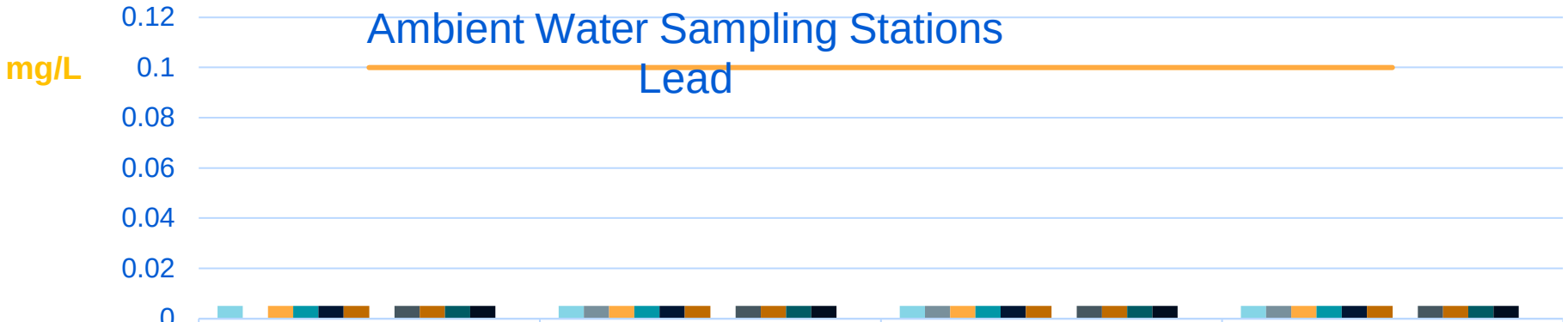
	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	0.008	0.008	0.008	0.008
2Q2020	0	0.008	0.008	0.008
3Q2020	0.008	0.008	0.008	0.008
4Q2020	0.008	0.008	0.008	0.008
1Q2021	0.008	0.008	0.008	0.008
2Q2021	0.005	0.005	0.005	0.005
3Q2021	0	0	0	0
4Q2021	0.005	0.005	0.005	0.005
1Q2022	0.005	0.005	0.005	0.005
2Q2022	0.005	0.005	0.005	0.005
3Q2022	0.005	0.005	0.005	0.005
4Q2022				
DENR Standard	0.02	0.02	0.02	0.02

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



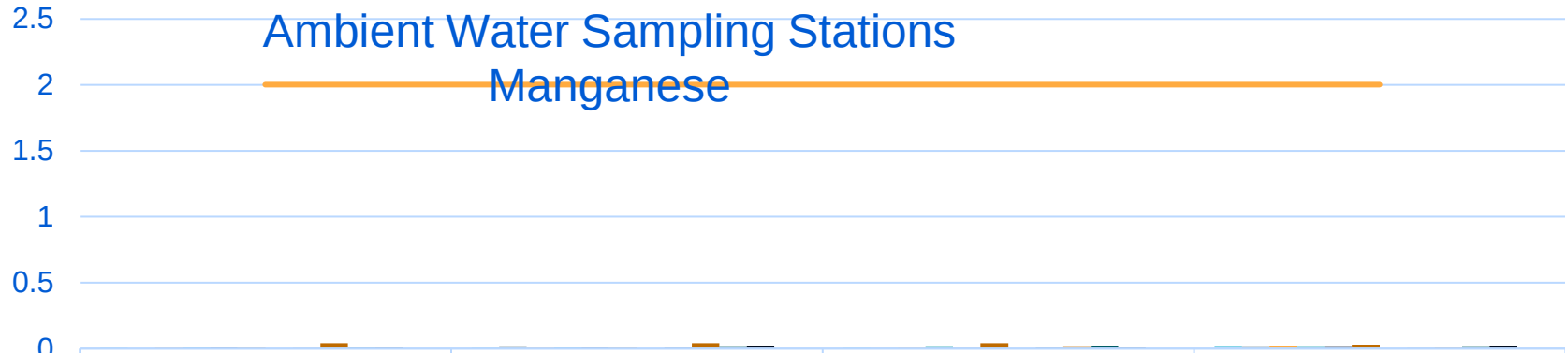
	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	0.001	0.001	0.001	0.001
2Q2020		0.001	0.001	0.001
3Q2020	0.001	0.001	0.001	0.001
4Q2020	0.001	0.001	0.001	0.001
1Q2021	0.001	0.001	0.001	0.001
2Q2021	0.001	0.001	0.001	0.001
3Q2021	0	0	0	0
4Q2021	0.001	0.001	0.001	0.001
1Q2022	0.001	0.001	0.001	0.001
2Q2022	0.001	0.001	0.001	0.001
3Q2022	0.001	0.001	0.001	0.001
4Q2022				
DENR Standard	0.02	0.02	0.02	0.02

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



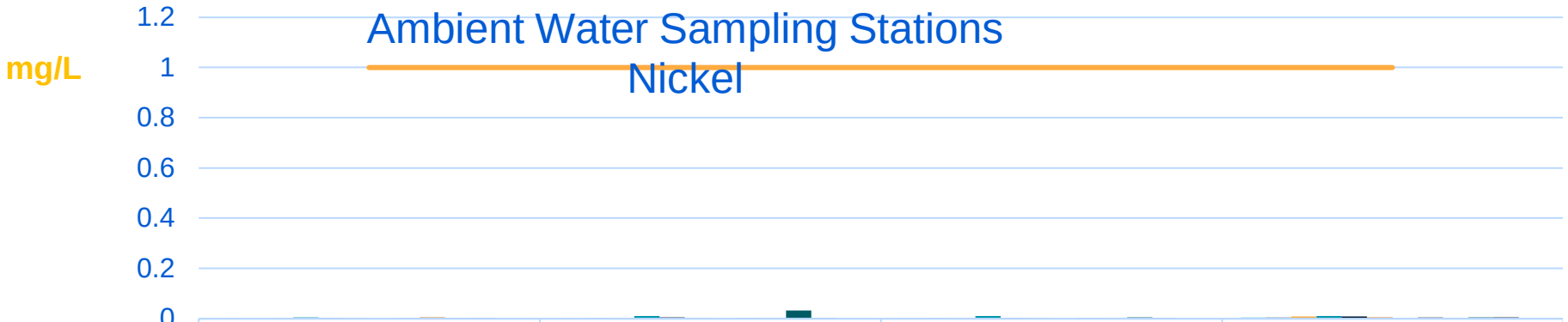
	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	0.005	0.005	0.005	0.005
2Q2020	0	0.005	0.005	0.005
3Q2020	0.005	0.005	0.005	0.005
4Q2020	0.005	0.005	0.005	0.005
1Q2021	0.005	0.005	0.005	0.005
2Q2021	0.005	0.005	0.005	0.005
3Q2021	0	0	0	0
4Q2021	0.005	0.005	0.005	0.005
1Q2022	0.005	0.005	0.005	0.005
2Q2022	0.005	0.005	0.005	0.005
3Q2022	0.005	0.005	0.005	0.005
4Q2022				
DENR Standard	0.1	0.1	0.1	0.1

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



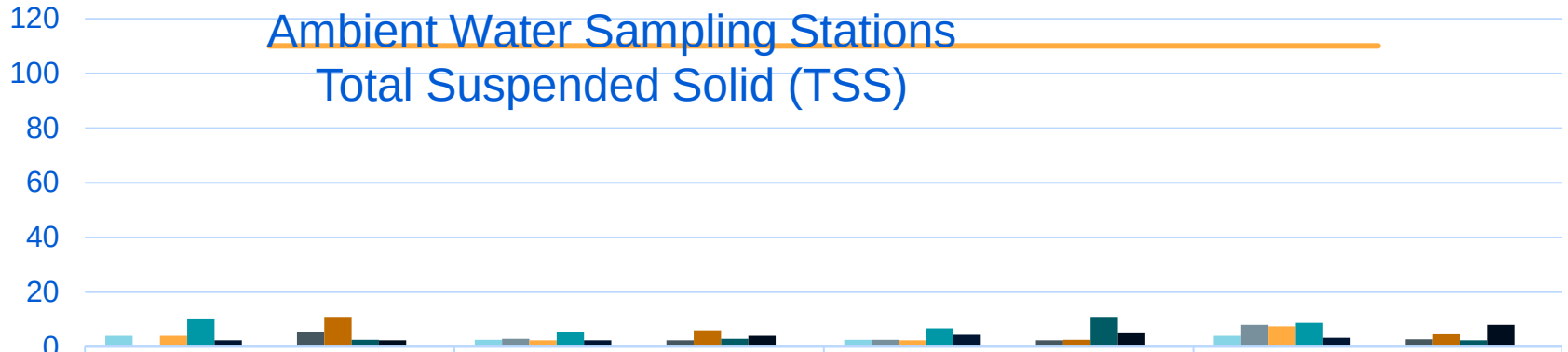
	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	0.008	0.006	0.006	0.02
2Q2020	0	0.01	0.004	0.01
3Q2020	0.009	0.009	0.007	0.02
4Q2020	0.006	0.009	0.01	0.01
1Q2021	0.009	0.007	0.004	0.01
2Q2021	0.006	0.007	0.04	0.03
3Q2021	0	0	0	0
4Q2021	0.004	0.006	0.006	0.004
1Q2022	0.04	0.04	0.01	0.008
2Q2022	0.007	0.01	0.02	0.01
3Q2022	0.006	0.02	0.009	0.02
4Q2022				
DENR Standard	2	2	2	2

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	0.003	0.003	0.003	0.004
2Q2020	0	0.003	0.003	0.004
3Q2020	0.003	0.003	0.003	0.008
4Q2020	0.005	0.01	0.01	0.01
1Q2021	0.003	0.004	0.003	0.008
2Q2021	0.003	0.003	0.003	0.004
3Q2021	0	0	0	0
4Q2021	0.003	0.003	0.003	0.005
1Q2022	0.004	0.003	0.003	0.003
2Q2022	0.003	0.033	0.005	0.004
3Q2022	0.003	0.003	0.003	0.005
4Q2022				
DENR Standard	1	1	1	1

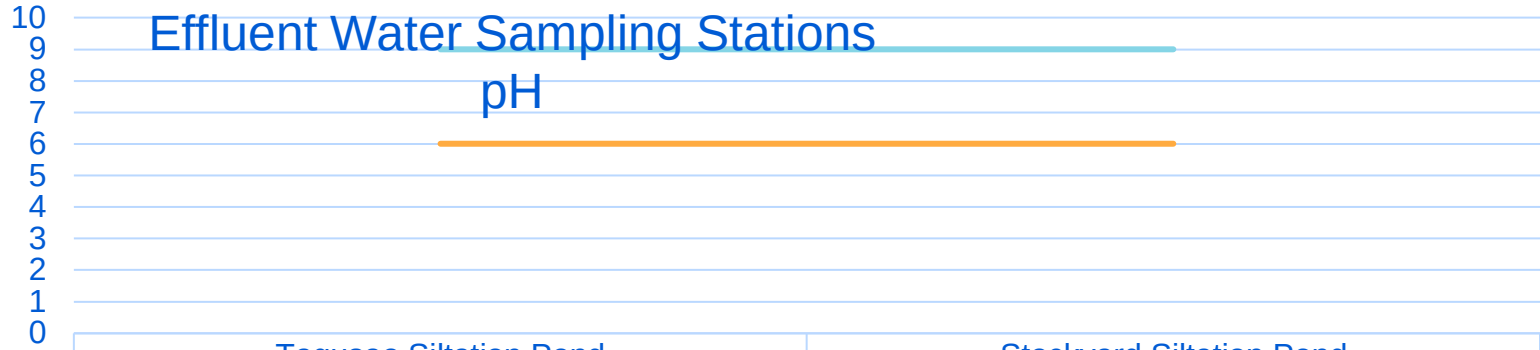
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	Maribong Spillway	Pasi River	Confluence of Station 6 and 7	Tagusao River
1Q2020	4	2.5	2.5	4
2Q2020	0	3	2.5	8
3Q2020	4	2.38	2.38	7.5
4Q2020	10	5.3	6.7	8.7
1Q2021	2.38	2.38	4.3	3.3
2Q2021	0	0	0	0
3Q2021	0	0	0	0
4Q2021	5.3	2.38	2.38	2.7
1Q2022	11	6	2.5	4.5
2Q2022	2.5	3	11	2.38
3Q2022	2.38	4	5	8
4Q2022				
DENR Standard	110	110	110	110

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

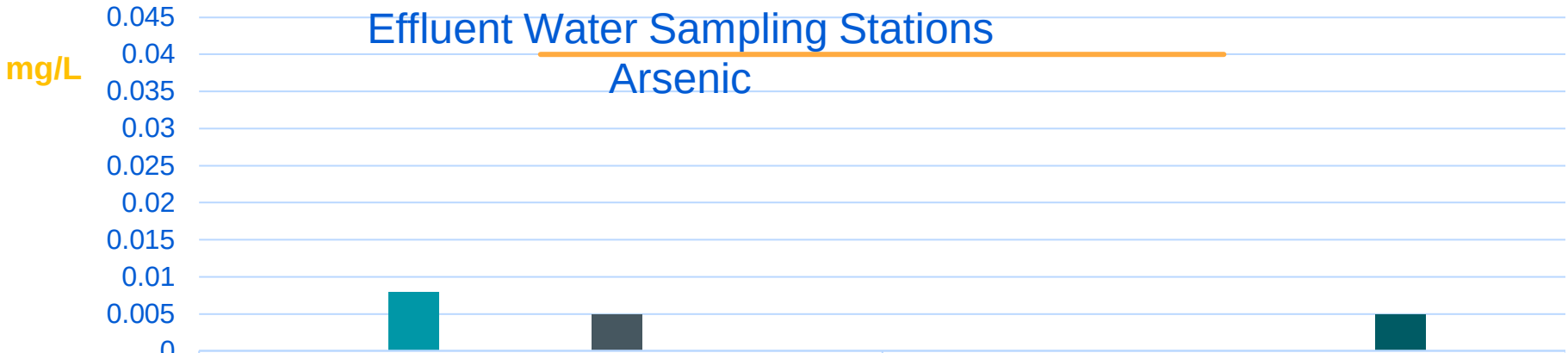
EFFLUENT WATER SAMPLING



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0	0
1Q2022	0	0
2Q2022	0	0
3Q2022	0	0
4Q2022		
DENR Standard (min)	6	6
DENR Standard (max)	9	9

No reading on 4th Quarter 2021, 4th Quarter 2021, and 2nd Quarter 2022 due to defective sampler
****For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter***

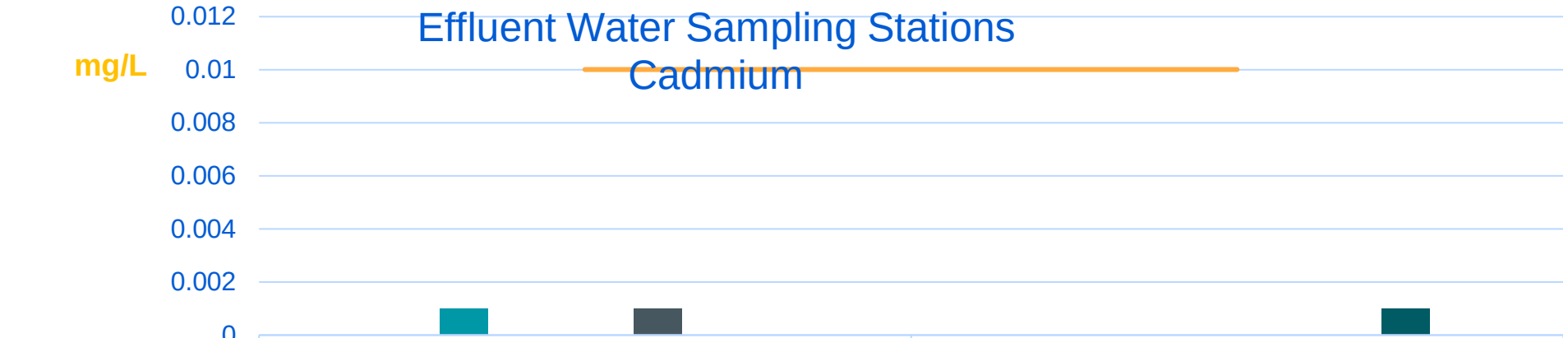
Effluent Water Sampling Stations
Arsenic



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0.008	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0.005	0
1Q2022	0	0
2Q2022	0	0.005
3Q2022	0	0
4Q2022		
DENR Standard	0.04	0.04

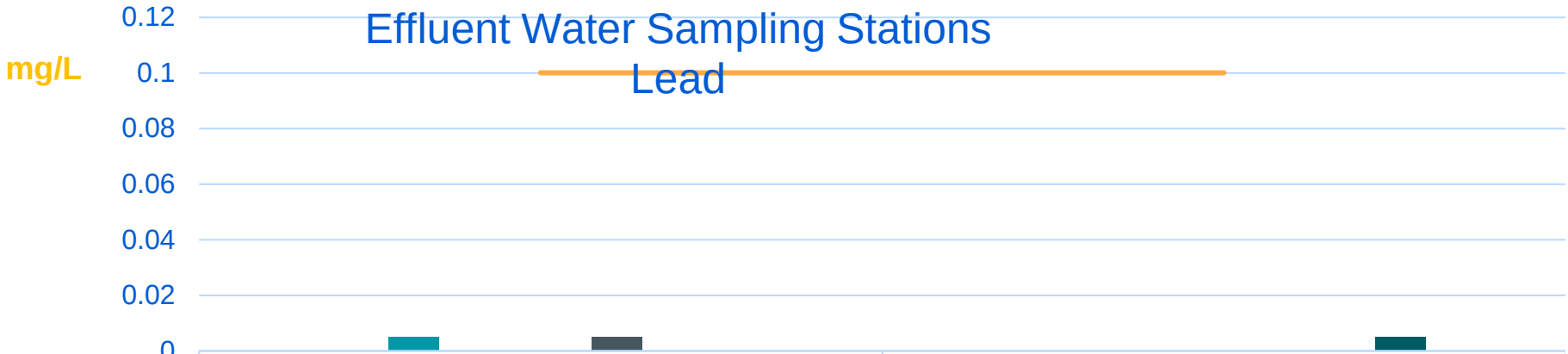
No reading with 4th Quarter 2020 and 2021 due to defective sampler

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



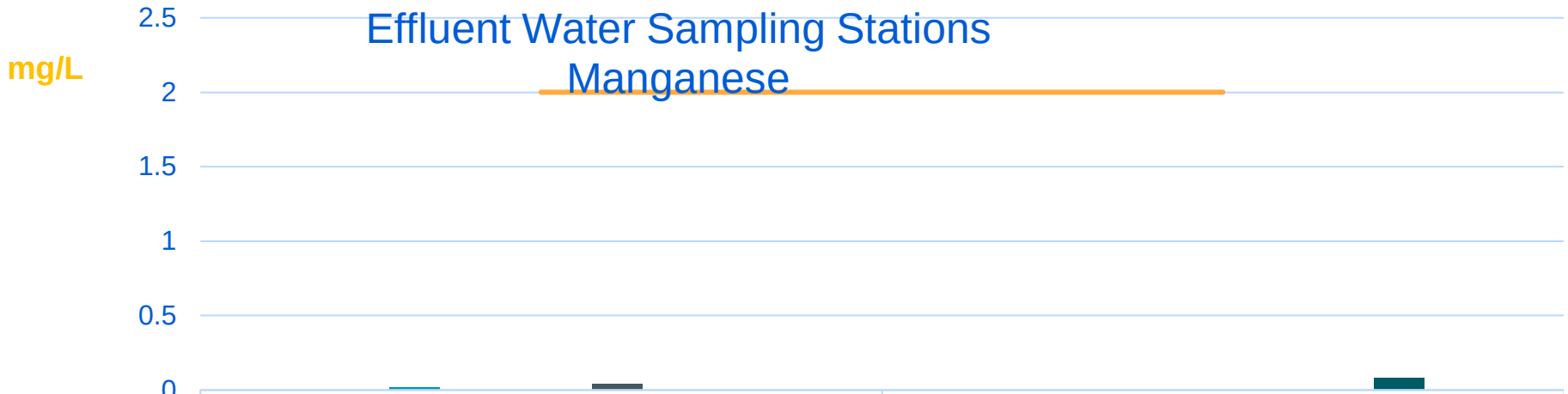
	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0.001	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0.001	0
1Q2022	0	0
2Q2022	0	0.001
3Q2022	0	0
4Q2022		
DENR Standard	0.01	0.01

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0.005	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0.005	0
1Q2022	0	0
2Q2022	0	0.005
3Q2022	0	0
4Q2022		
DENR Standard	0.1	0.1

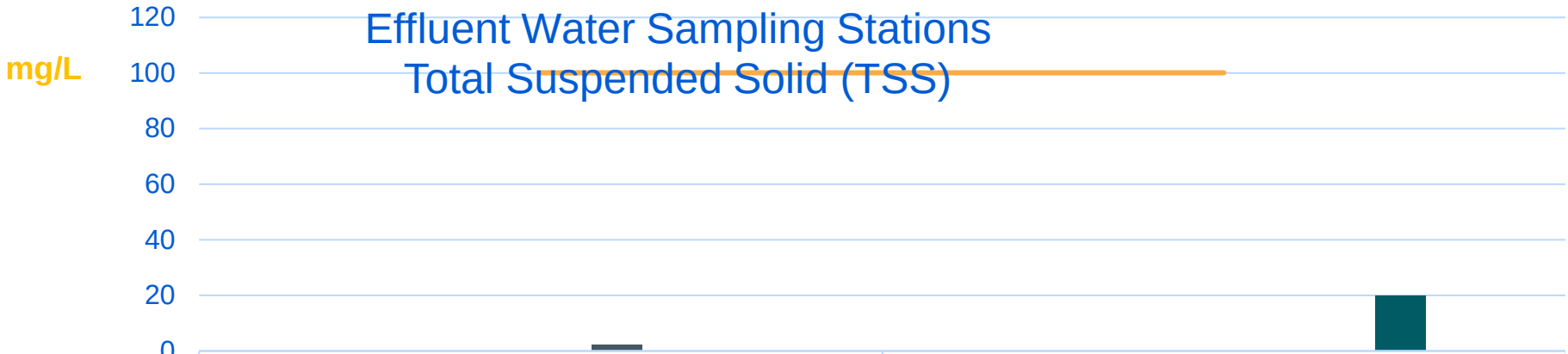
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0.02	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0.04	0
1Q2022	0	0
2Q2022	0	0.08
3Q2022	0	0
4Q2022		
DENR Standard	2	2

	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0.02	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	0.01	0
1Q2022	0	0
2Q2022	0	0.02
3Q2022	0	
4Q2022		
DENR Standard	1	1

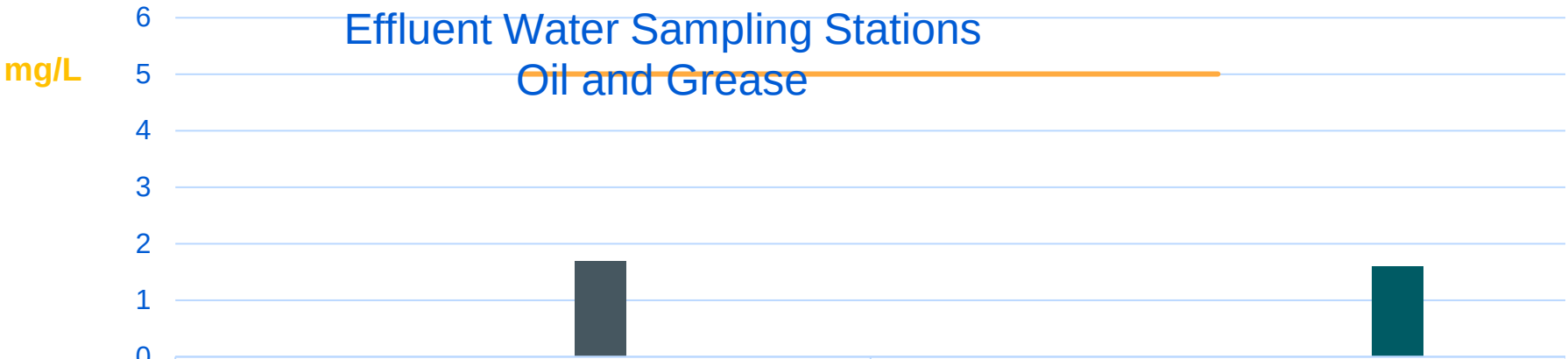
For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	2.38	0
1Q2022	0	0
2Q2022	0	20
3Q2022	0	0
4Q2022		
DENR Standard	100	100

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

Effluent Water Sampling Stations
Oil and Grease



	Tagusao Siltation Pond	Stockyard Siltation Pond
1Q2020	0	0
2Q2020	0	0
3Q2020	0	0
4Q2020	0	0
1Q2021	0	0
2Q2021	0	0
3Q2021	0	0
4Q2021	1.7	0
1Q2022	0	0
2Q2022	0	1.6
3Q2022	0	0
4Q2022		
DENR Standard	5	5

For CY 2021, MMT was conducted on February, July and November. Hence, no data on 3rd Quarter

FINDINGS AND OBSERVATIONS

It was reported previously that the Company has nine (9) water sampling stations for ambient and four (4) water sampling stations for effluent. However, during this monitoring, it was found out that there are **two (2) unit series of Siltation Ponds (currently known as PASI 4 and Tagusao Siltation Pond 1) located down the Minesite, and Old Admin Building and CERI Compound/Motor Pool**, respectively, **with a new compartment**. Out of these six (6) effluent stations, currently, four (4) sampling stations (**Pasi 1 and Pasi 3**) stations are observed to be **no discharge**.

FINDINGS AND OBSERVATIONS

The seven (7) air ambient sampling stations and nine (9) water ambient sampling stations still have no appropriate signages.

During the water sampling activity, the water checker provides a reading before being submerged in water particularly in pH parameter which may indicate that the checker needs an update calibration. Accordingly, the water checker will be sent to the calibration center after the MMT.

Some portions of the mining access road are muddy, and no proper bund wall was observed that seems unsafe and may cause discoloration of water bodies.

Portions of the active mining area (Block C) and proposed waste dump area in the mine site have **no** perimeter drainage canal and bund wall connecting to the established Pit Bottom Pond where rainwater might encroach down to the creeks that might later result to its water discoloration.

FINDINGS AND OBSERVATIONS

The company is accordingly now engaged with the third party for environmental biodiversity audit.

GENERAL RECOMMENDATIONS

The company is accordingly now engaged with the third party for environmental biodiversity audit , **it is recommended that coastal resources audit or study be also included.**

GENERAL RECOMMENDATIONS

Continue promptness of compliances to existing environmental laws covered by the project.

The proponent is advised to secure a Discharge Permit for the oil-and-water separator facilities.

Establishment of drainage canal/bund wall in the active mining area that is connected to the established Pit Bottom Pond.

GENERAL RECOMMENDATIONS

Observe regular equipment calibration

Recommending of regular fixing of bund walls and scraping in the access road.

The company is encouraged to apply coco net materials in the highly erodible areas to temporarily hold soil during rainy season.

04

R.A. No. 8749 (Philippine Clean Air Act of 1999)

04 R.A. No. 8749 (Philippine Clean Air Act of 1999)

Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Region IV-B
PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro,
Satellite Office, 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No.: (02) 536-97-66

Permit No: PTO-OL-R4B-2022-03699-R
Application Type: Renewal

Date Issued: 02 Jun 2022
Date Expiration: 02 Jun 2027

PERMIT TO OPERATE
Air Pollution Source and Control Installations

Pursuant to Part IV, Rule XIX of the Rules and Regulations of R.A. 8749, authority is hereby granted to:

CITINICKEL MINES AND DEVELOPMENT CORPORATION- PULOT NICKEL MINING PROJECT (CITINICKEL MINES AND DEVELOPMENT CORPORATION- PULOT NICKEL MINING PROJECT)	South Road National Highway, Punang, Sofronio Española, Palawan

subject to the following terms and conditions:

TERMS AND CONDITIONS

1. This permit is issued for the permittee to operate One (1) unit 125.0 kVA Nippon Diesel Generator Set and One (1) unit 100.0 kVA Airman Generator Set at the permittee's establishment.
2. Must conform to National Emission Standards for Source Specific Air Pollutants (Section 1, Rule XXV, Part VII of RA 8749) and Source Specific Ambient Air Quality Standards (Section 1, Rule XXVI, Part VII of RA 8749).
3. Must submit notarized Quarterly Self-Monitoring Report (SMR) based on DAO-27, Series of 2003 on or before the filing dates:
   1st Quarter SMR (January to March) - 15th Day of April
   2nd Quarter SMR (April to June) - 15th Day of July
   3rd Quarter SMR (July to September) - 15th Day of October
   4th Quarter SMR (October to December) - 15th Day of January
4. Subject to revocation if found violating the said permit conditions and other provisions of the Philippine Clean Air Act of 1999 (RA 8749) and its Implementing Rules and Regulations.

This operating Permit shall be posted in a conspicuous location near the equipment and shall be adequately framed or otherwise protected against damage. Application for the renewal of Permit to Operate must be filed thirty (30) days before the expiration date.

Recommended by:

Engr. NICOLE YURI V. DORADO
OIC, Clearance and Permitting Division

Approved by:

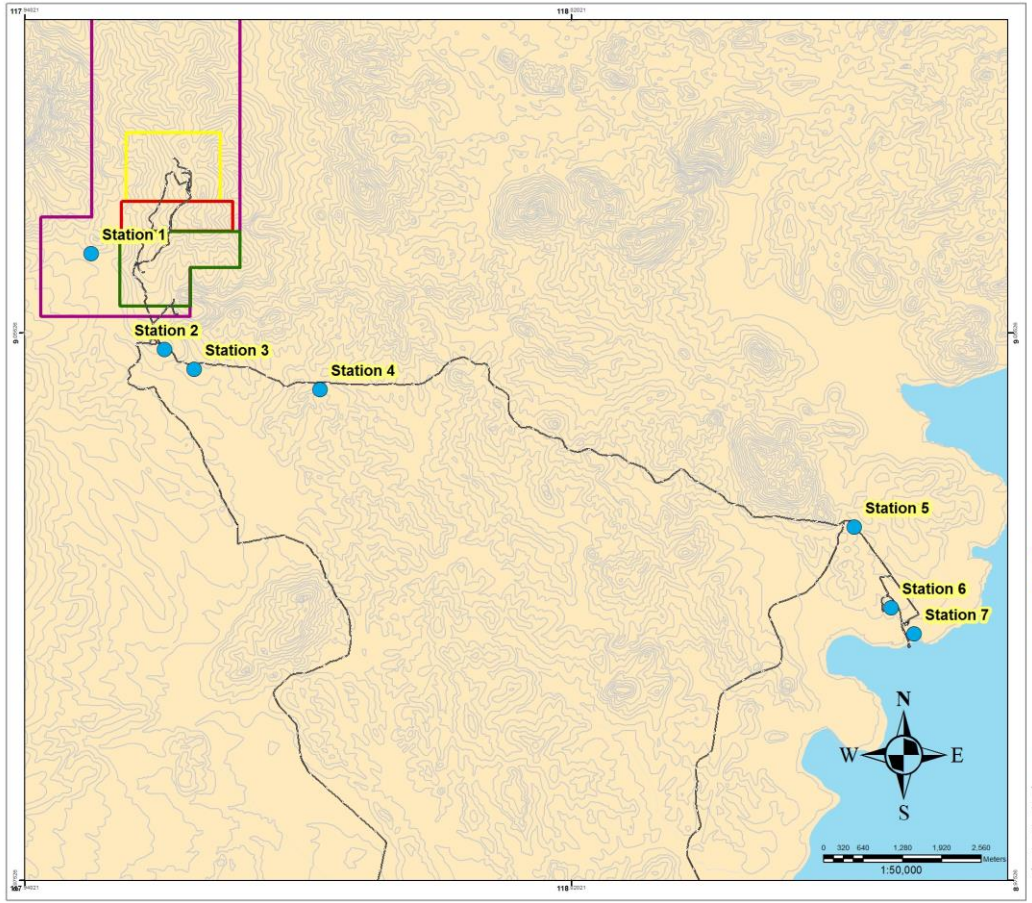
JOE AMIL M. SALINO
Regional Director

Filing Fee	: Php 600.00	O.R. No. : 7659415 F	Date : 13 May 2022
Permit Fee	: Php 5000.00	O.R. No. : 7659415 F	Date : 13 May 2022
PD1856	: Php 10.00	O.R. No. : 7659415 F	Date : 13 May 2022
Documentary Stamp Tax	: Php 30.00	O.R. No. : 7659415 F	Date : 13 May 2022

This is a computer generated certificate. To verify the authenticity of this file, kindly scan the generated QR Code using your QR Code scanner/reader or visit the OPMS website for details.

Protect the environment ... Protect life...

Noise and Ambient Air Quality Sampling Stations



MAP INDEX

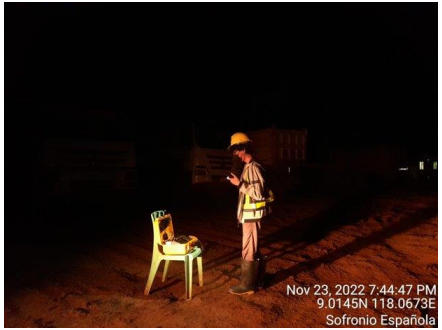
Legend

- Air Sampling Station
- Road network 20210203
- Mining Block- A
- Mining Block- B
- Mining Block- C
- PNMP MPSA
- Contours_20m
- Palawan

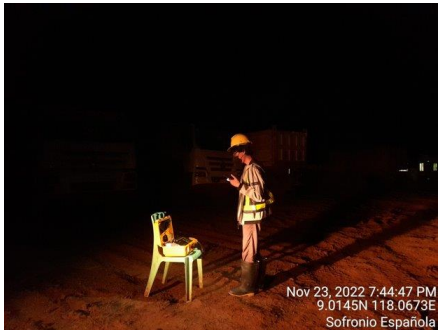
Citinickel Mines and Development Corporation
PULOT NICKEL MINING PROJECT

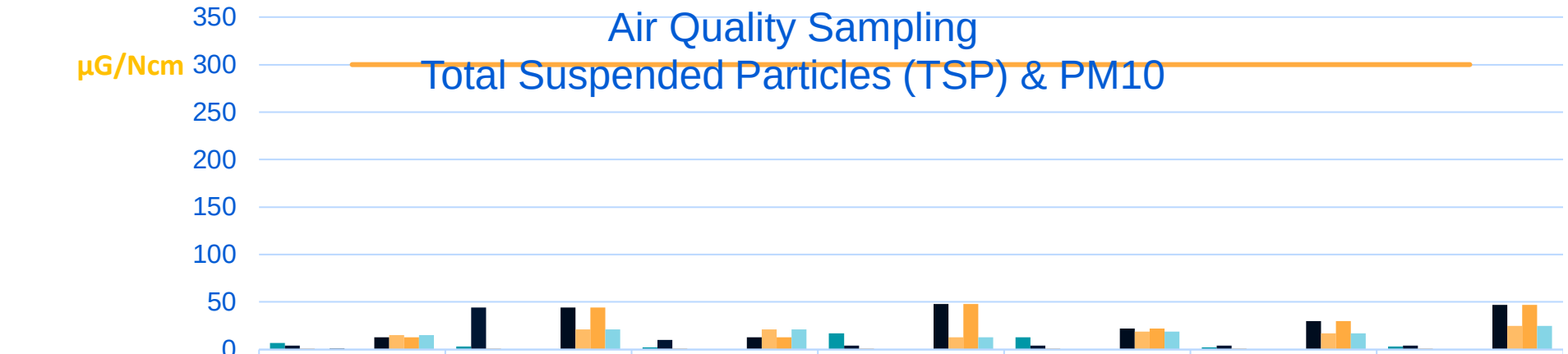
Map No: 2021-001	**Air Sampling Stations**
Date: 06 FEB 2021	
Prepared by: CIT	
Checked by: JBC	Coordinate System: GCS Luzon 1911
Approved by: JMU,Jr.	Datum: Luzon 1911
	Units: Degree

NOISE AND AMBIENT AIR SAMPLING



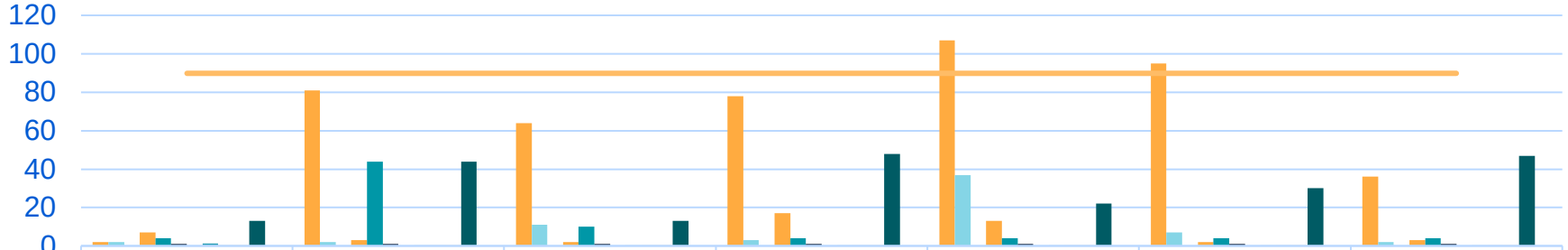
NOISE SAMPLING





	Maribong Basketball Court	Old Admin Compound	Mike Valdez	Singkab	Highway Crossing	IPM Area	Causeway Sampling Stand
3Q2020	7	3	2	17	13	2	3
4Q2020	4	44	10	4	4	4	4
1Q2021	1	1	1	1	1	1	1
2Q2021							
3Q2021	1.2	0.007	0.007	0.026	0.007	0.007	0.007
4Q2021	0.07	0.07	0.07	0.07	0.21	0.07	0.07
1Q2022	0.18	0.006	0.006	0.006	0.006	0.169	0.006
2Q2022	13	44	13	48	22	30	47
3Q2022	15	21	21	13	19	17	25
3Q2022	13	44	13	48	22	30	47
4Q2022	15	21	21	13	19	17	25
DENR Standard	300	300	300	300	300	300	300

Noise Quality Sampling



	Maribong Basketball Court	Old Admin Compound	Mike Valdez	Singkab	Highway Crossing	IPM Area	Causeway Sampling Stand
1Q2020	2	81	64	78	107	95	36
2Q2020	2	2	11	3	37	7	2
3Q2020							
4Q2020	7	3	2	17	13	2	3
1Q2021	4	44	10	4	4	4	4
2Q2021	1	1	1	1	1	1	1
3Q2021							
4Q2021	1.2	0.007	0.007	0.026	0.007	0.007	0.007
1Q2022	0.07	0.07	0.07	0.07	0.21	0.07	0.07
2Q2022	0.18	0.006	0.006	0.006	0.006	0.169	0.006
3Q2022	13	44	13	48	22	30	47
4Q2022							
Standard	90	90	90	90	90	90	90

FINDINGS AND OBSERVATIONS

The seven (7) air ambient sampling stations and nine (9) water ambient sampling stations still have no appropriate signages.

GENERAL RECOMMENDATIONS

The proponent is advised to secure Permit to Operate for fuel depot in compliance with MC 2020-17, DAO 2000-81 of RA 8749 within one (1) year from this Monitoring period.

Reiterating to install signages in every sampling stations even during the activity, if always missing when being left. (use a “**removeable**" signage).

THANK YOU