3RD Quarter 2022 MMT BNC Validation

4TH QUARTER NOISE, AIR, AND WATER SAMPLING
OCTOBER 25 TO 28, 2022

BERONG NICKEL CORPORATION

Brgy. Berong, Quezon, Palawan

Team Members
EMB - MIMAROPA
PEMU, PALAWAN:SEMS Zosima D. Jampit
REGIONAL OFFICE: Geologist Niño Jefferson L. Rojas

LGU : Rodel L. Arellano

BNC Representatives

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 Activity

IV. R.A. No. 8749 (Philippine Clean Air Act of 1999)
- Air and Noise Sampling Activity

Republic Act No. 6969

Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990

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

Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Region 4B
PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro, Satellite Office, 6th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila
Telephone Nos: (02) 536-97-86
Website: http://mimaropa.emb.gov.ph/

HAZARDOUS WASTE GENERATOR REGISTRATION CERTIFICATE

Pursuant to Chapter 3 of DENR Administrative Order (DAO) No. 2013-22, the Implementing Rules and Regulations of Republic Act (RA) 6969, this Certificate is issued to:

Name of Establishment : **CITINICKEL MINES AND DEVELOPMENT CORPORATION (CMDC)-PULOT NICKEL MINING PROJECT**

Facility Address : CMDC OFFICE, PUNANG, SOFRONIO ESPAÑOLA, PALAWAN

You are hereby assigned with the new *on-line registration no*

OL-GR-R4B-53-021130

This certifies that the above-named Hazardous Wastes Generator generates the following types of wastes:

Waste Class	Waste Number
Used industrial oil including sludge	I101
Oil-contaminated Materials	I104
Other inorganic acid	B207
Lead compounds	D406
Mercury and mercury compounds	D407
Grease wastes	H802
Containers previously containing toxic chemical substances	J201
Pathological or infectious wastes	M501
Pharmaceuticals and drugs	M503
Waste electrical and electronic equipment (WEEE)	M506

1. The above-named HW Generator shall comply with all the requirements of R.A 6969 and its Implementing Rules and Regulations particularly DAO 2013-22, Revised Procedures and Standards for the Management of Hazardous Wastes (Revising DAO 2004-36).
2. Submission of the online self monitoring report shall be made within fifteen (15) days after the end of every reporting period.
3. Please refer to this assigned registration number for every transaction related to the online Hazardous Waste Management System.
4. Non-compliance to the above stipulations shall be subjected to the penalty provisions as provided under Section 41 of DAO 1992-29 and Chapter 11 of DAO 2013-22.

JOE ABEL M. SALINO
Regional Director
November 09, 2021

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Hazardous Waste Storage Area

Medical Waste Storage Area

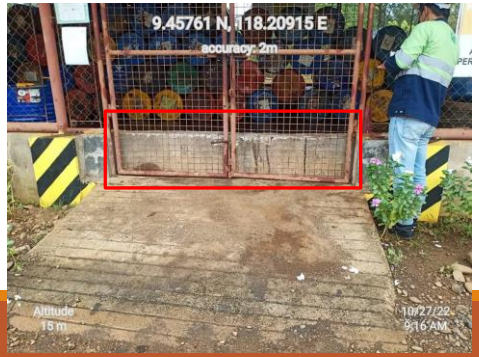
FINDINGS AND OBSERVATIONS

- A. The hospital related wastes in the Clinic are temporary stored in steel drums on top of the installed concrete elevated rack besides the building. However, some were placed in an area without roof.

- B. The Hazardous Waste Storage Facility has two doors where one of which is being fixed by a concrete and high level of blockage that causes inflexible maneuver of drums contained with hazardous waste during this recent hauling.

A

B



RECOMMENDATIONS

- A. The drums filled with hazardous waste be assembled along the other door of the hazardous storage area that has no high obstruction for easy movement during its handover to the hauling trucks during the transport activities. Should the current entry/exit path be used, it is recommended to trim down the obstruction.

- B. Additional concrete elevated racks be installed with roof or proper storage facility for the other steel drum filled with hospital waste.

A

B

Republic Act No. 9003

Ecological Solid Waste Management of 2000

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

Residual Containment Area

Area prepared for the Permanent Residual Containment Area

FINDINGS AND OBSERVATIONS

- No signage/s observed for the Residual Containment Area (RCA) and for the rehabilitated mined out areas to include yard for the topsoil

RECOMMENDATIONS

- Installation of appropriate signage/s for the RCA with roof while it is not yet transferred to the proposed permanent facility and to include sampling stations and the newly rehabilitated mined out areas including the yard containing the topsoil formation and easy documentation of the MMT Team.

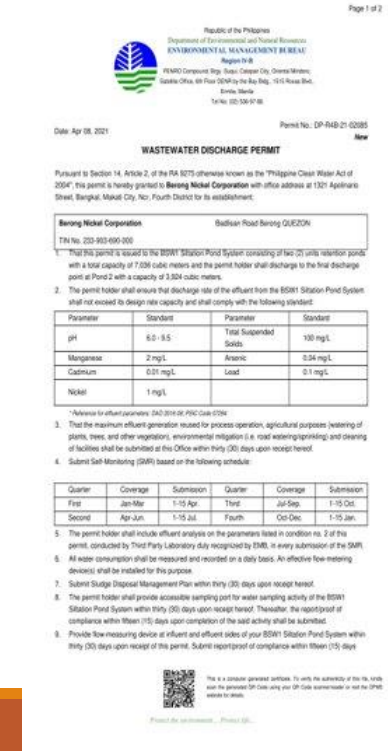
Republic Act No. 9275

Philippine Clean Water Act of 2004

R.A. 9275 (Philippine Clean Water Act of 2004)

Discharge Permit

(Kokokon, BSW 1, Nursery, Km. 7)



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Department of Environmental and Natural Resources
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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

Date: Apr 08, 2021 Permit No.: DP-R4B-21-02085
New

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 **Berong Nickel Corporation** with office address at 1321 Apolinario Street, Bangkal, Makati City, Ncr, Fourth District for its establishment:

Berong Nickel Corporation	Badlisan Road Berong QUEZON
TIN No. 233-903-690-000	

1. That this permit is issued to the BSW1 Sitation Pond System consisting of two (2) units retention ponds with a total capacity of 7,036 cubic meters and the permit holder shall discharge to the final discharge point at Pond 2 with a capacity of 3,924 cubic meters.
2. The permit holder shall ensure that discharge rate of the effluent from the BSW1 Sitation Pond System shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0 - 9.5	Total Suspended Solids	100 mg/L
Manganese	2 mg/L	Arsenic	0.04 mg/L
Cadmium	0.01 mg/L	Lead	0.1 mg/L
Nickel	1 mg/L		

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

3. That the maximum effluent generation reused for process operation, agricultural purposes (watering of plants, trees, and other vegetation), environmental mitigation (i.e. road watering/sprinkling) and cleaning of facilities shall be submitted at this Office within thirty (30) days upon receipt hereof.
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.

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. Submit Sludge Disposal Management Plan within thirty (30) days upon receipt hereof.
8. The permit holder shall provide accessible sampling port for water sampling activity of the BSW1 Sitation Pond System within thirty (30) days upon receipt hereof. Thereafter, the report/proof of compliance within fifteen (15) days upon completion of the said activity shall be submitted.
9. Provide flow-measuring device at influent and effluent sides of your BSW1 Sitation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15) days

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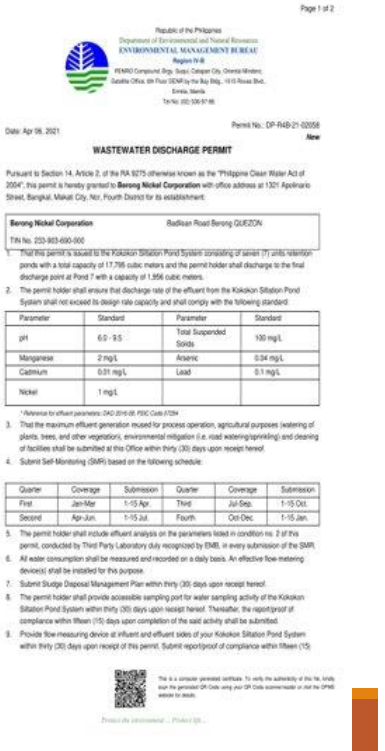

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Region IV-B

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Satellite Office, 6th Floor DENR-by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No. (02) 536-97-66

Date: Apr 08, 2021 Permit No.: DP-R4B-21-02058
New

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 **Berong Nickel Corporation** with office address at 1321 Apolinario Street, Bangkal, Makati City, Ncr, Fourth District for its establishment:

Berong Nickel Corporation	Badlisan Road Berong QUEZON
TIN No. 233-903-690-000	

1. That this permit is issued to the Kokokon Sitation Pond System consisting of seven (7) units retention ponds with a total capacity of 17,786 cubic meters and the permit holder shall discharge to the final discharge point at Pond 7 with a capacity of 1,956 cubic meters.
2. The permit holder shall ensure that discharge rate of the effluent from the Kokokon Sitation Pond System shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0 - 9.5	Total Suspended Solids	100 mg/L
Manganese	2 mg/L	Arsenic	0.04 mg/L
Cadmium	0.01 mg/L	Lead	0.1 mg/L
Nickel	1 mg/L		

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

3. That the maximum effluent generation reused for process operation, agricultural purposes (watering of plants, trees, and other vegetation), environmental mitigation (i.e. road watering/sprinkling) and cleaning of facilities shall be submitted at this Office within thirty (30) days upon receipt hereof.
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.

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. Submit Sludge Disposal Management Plan within thirty (30) days upon receipt hereof.
8. The permit holder shall provide accessible sampling port for water sampling activity of the Kokokon Sitation Pond System within thirty (30) days upon receipt hereof. Thereafter, the report/proof of compliance within fifteen (15) days upon completion of the said activity shall be submitted.
9. Provide flow-measuring device at influent and effluent sides of your Kokokon Sitation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15)

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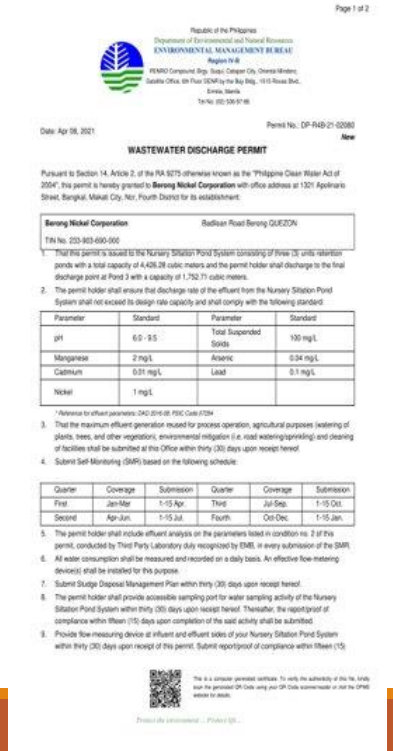

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Region IV-B

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Satellite Office, 6th Floor DENR-by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No. (02) 536-97-66

Date: Apr 08, 2021 Permit No.: DP-R4B-21-02080
New

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 **Berong Nickel Corporation** with office address at 1321 Apolinario Street, Bangkal, Makati City, Ncr, Fourth District for its establishment:

Berong Nickel Corporation	Badlisan Road Berong QUEZON
TIN No. 233-903-690-000	

1. That this permit is issued to the Nursery Sitation Pond System consisting of three (3) units retention ponds with a total capacity of 4,426.28 cubic meters and the permit holder shall discharge to the final discharge point at Pond 3 with a capacity of 1,752.71 cubic meters.
2. The permit holder shall ensure that discharge rate of the effluent from the Nursery Sitation Pond System shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0 - 9.5	Total Suspended Solids	100 mg/L
Manganese	2 mg/L	Arsenic	0.04 mg/L
Cadmium	0.01 mg/L	Lead	0.1 mg/L
Nickel	1 mg/L		

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

3. That the maximum effluent generation reused for process operation, agricultural purposes (watering of plants, trees, and other vegetation), environmental mitigation (i.e. road watering/sprinkling) and cleaning of facilities shall be submitted at this Office within thirty (30) days upon receipt hereof.
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.

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. Submit Sludge Disposal Management Plan within thirty (30) days upon receipt hereof.
8. The permit holder shall provide accessible sampling port for water sampling activity of the Nursery Sitation Pond System within thirty (30) days upon receipt hereof. Thereafter, the report/proof of compliance within fifteen (15) days upon completion of the said activity shall be submitted.
9. Provide flow-measuring device at influent and effluent sides of your Nursery Sitation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15)

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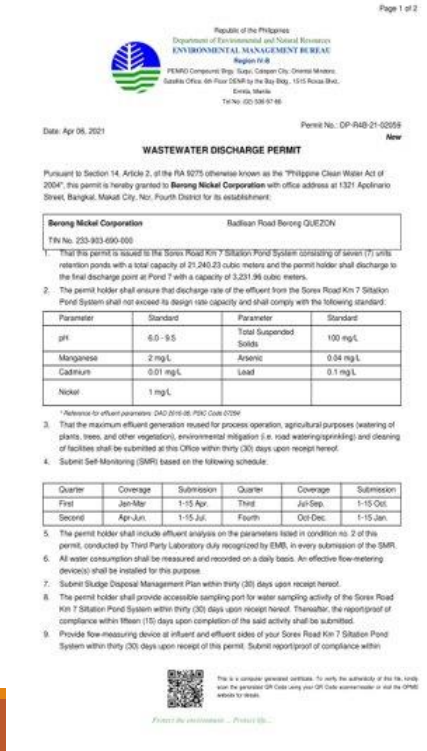

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PENRO Compound, Brgy. Suqui, Calapan City, Oriental Mindoro,
Satellite Office, 6th Floor DENR-by the Bay Bldg., 1515 Roxas Blvd.,
Ermita, Manila
Tel No. (02) 536-97-66

Date: Apr 06, 2021 Permit No.: DP-R4B-21-02059
New

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 **Berong Nickel Corporation** with office address at 1321 Apolinario Street, Bangkal, Makati City, Ncr, Fourth District for its establishment:

Berong Nickel Corporation	Badlisan Road Berong QUEZON
TIN No. 233-903-690-000	

1. That this permit is issued to the Sorex Road Km 7 Sitation Pond System consisting of seven (7) units retention ponds with a total capacity of 21,240.23 cubic meters and the permit holder shall discharge to the final discharge point at Pond 7 with a capacity of 3,231.96 cubic meters.
2. The permit holder shall ensure that discharge rate of the effluent from the Sorex Road Km 7 Sitation Pond System shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0 - 9.5	Total Suspended Solids	100 mg/L
Manganese	2 mg/L	Arsenic	0.04 mg/L
Cadmium	0.01 mg/L	Lead	0.1 mg/L
Nickel	1 mg/L		

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

3. That the maximum effluent generation reused for process operation, agricultural purposes (watering of plants, trees, and other vegetation), environmental mitigation (i.e. road watering/sprinkling) and cleaning of facilities shall be submitted at this Office within thirty (30) days upon receipt hereof.
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.

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. Submit Sludge Disposal Management Plan within thirty (30) days upon receipt hereof.
8. The permit holder shall provide accessible sampling port for water sampling activity of the Sorex Road Km 7 Sitation Pond System within thirty (30) days upon receipt hereof. Thereafter, the report/proof of compliance within fifteen (15) days upon completion of the said activity shall be submitted.
9. Provide flow-measuring device at influent and effluent sides of your Sorex Road Km 7 Sitation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within

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R.A. 9275 (Philippine Clean Water Act of 2004)

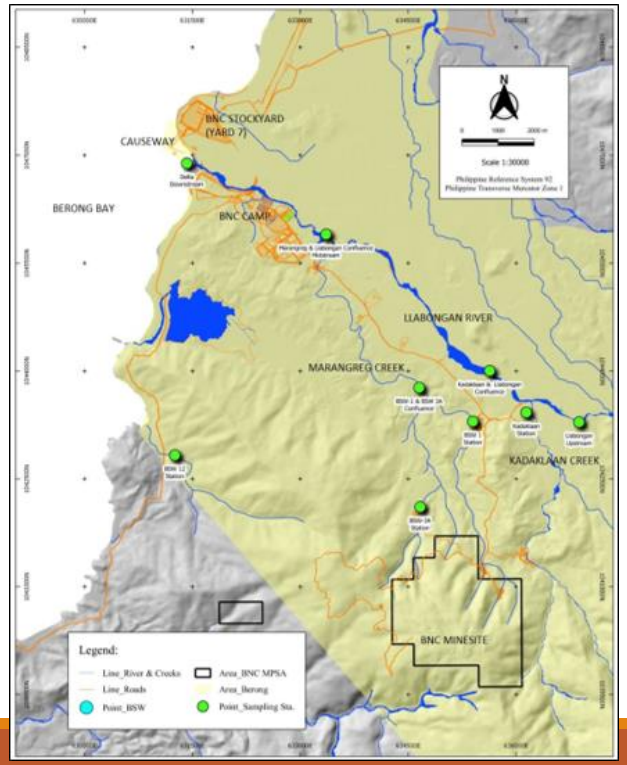
Siltation Ponds

Kilometer 7

Nursery

R.A. 9275 (Philippine Clean Water Act of 2004)

Surface Water Sampling Stations



SURFACE (EFFLUENT) WATER SAMPLING ACTIVITY

KM 7

KOKOKON

BSW 1

SURFACE (AMBIENT) WATER SAMPLING ACTIVITY

Kadaklaan Creek

Llabungan Midstream

Marangreg

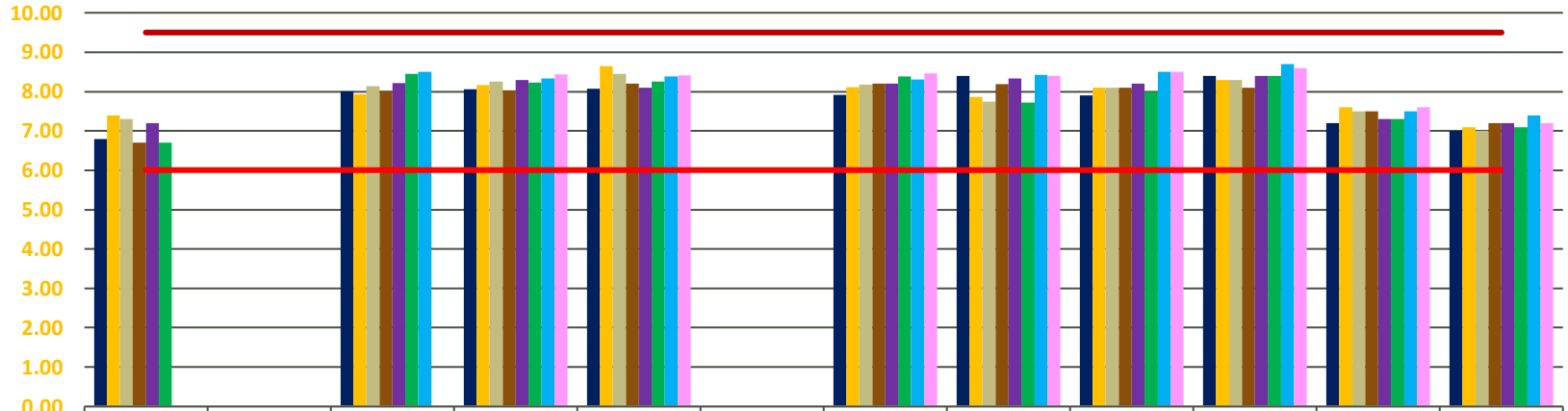
Llabungan Delta

Llabungan Upstream

BSW 12

SURFACE WATER SAMPLING STATIONS

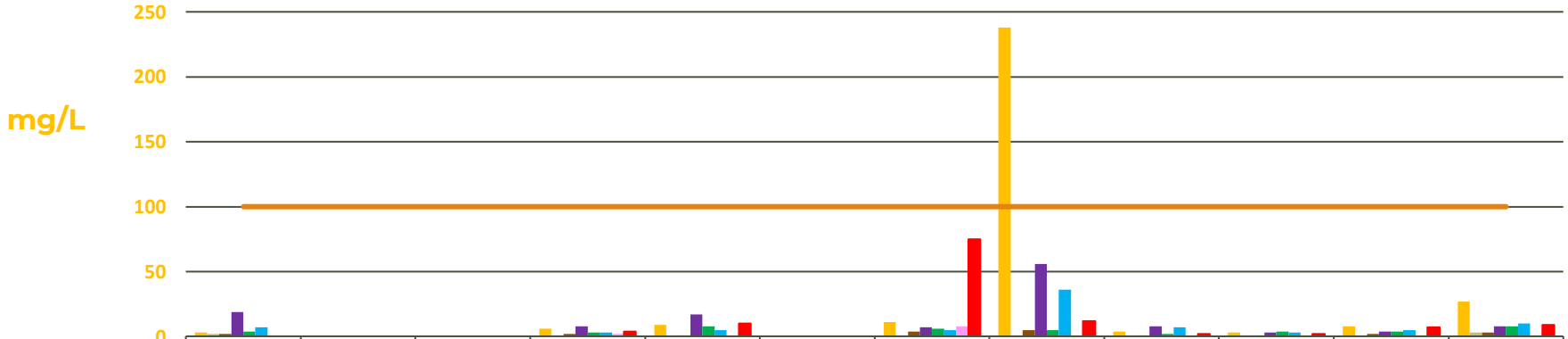
pH



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	6.80	0.00	8.01	8.06	8.07	0.00	7.91	8.40	7.90	8.40	7.20	7.00
Llabungan Upstream	7.40	0.00	7.93	8.17	8.65	0.00	8.11	7.86	8.10	8.30	7.60	7.10
Kadaklaan outlet	7.30	0.00	8.14	8.25	8.45	0.00	8.18	7.75	8.10	8.30	7.50	7.00
Marangreg	6.70	0.00	8.02	8.03	8.20	0.00	8.20	8.19	8.10	8.10	7.50	7.20
Llabungan Mindstream	7.20	0.00	8.22	8.29	8.10	0.00	8.20	8.33	8.20	8.40	7.30	7.20
Llabungan Delta	6.70	0.00	8.45	8.23	8.25	0.00	8.38	7.72	8.00	8.40	7.30	7.10
BSW 12 (Effluent)	0.00	0.00	8.50	8.33	8.39	0.00	8.31	8.42	8.50	8.70	7.50	7.40
Kokokon (Effluent)	0.00	0.00	0.00	8.44	8.41	0.00	8.47	8.40	8.50	8.60	7.60	7.20
DENR Standard (min)	6	6	6	6	6	6	6	6	6	6	6	6
DENR Standard (max)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5

**Sampling was not conducted during the 2nd quarter 2021 due to travel and other restrictions being implemented by the National and Local Inter-Agency Task Force (IATF) in connection with COVID-19.*

SURFACE WATER SAMPLING STATIONS
Total Suspended Solids (TSS)

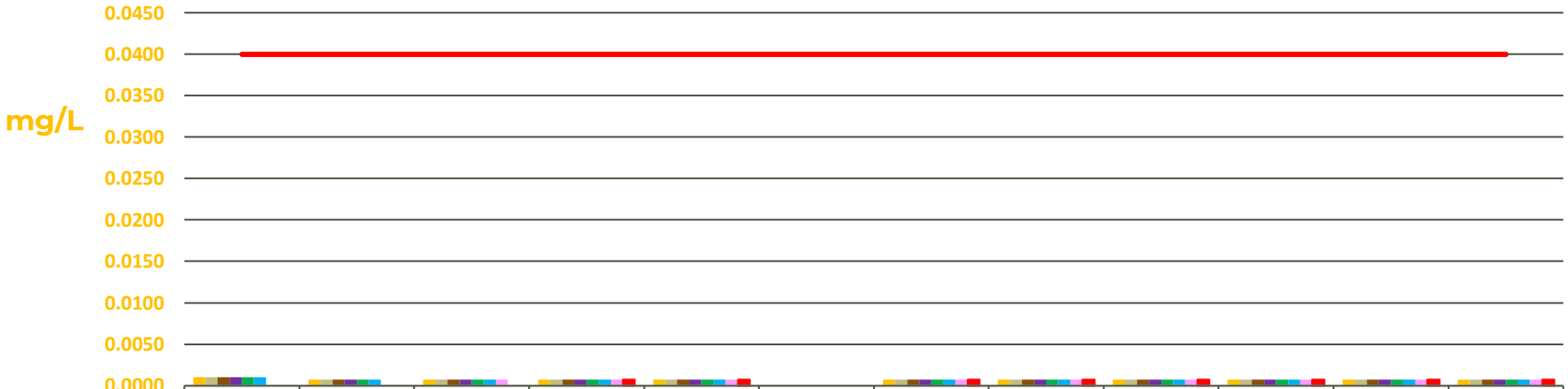


	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	3	0.00	0.00	6	9	0.00	11	238	4	3	8	27
Llabongan upstream	2	0.00	0.00	1	1	0.00	1	1	1	1	1	3
Kadaklaan outlet	2	0.00	0.00	2	1	0.00	4	5	1	1	2	3
Marangreg	19	0.00	0.00	8	17	0.00	7	56	8	3	4	8
Llabungan Midstream	4	0.00	0.00	3	8	0.00	6	5	2	4	4	8
Llabungan Delta	7	0.00	0.00	3	5	0.00	5	36	7	3	5	10
BSW 12 (Effluent)	0.00	0.00	0.00	2	1	0.00	8	1	1	1	1	1
Kokokon (Effluent)	0.00	0.00	0.00	4	10	0.00	75	12	2	2	7	9
Standard	100	100	100	100	100	100	100	100	100	100	100	100

**Rise in TSS concentration @ BSW 1 is due to the on-going road repair and desilting activities in settling ponds (Busay and Km.7 area)*

**Sampling was not conducted during the 2nd quarter 2021 due to travel and other restrictions being implemented by the National and Local Inter-Agency Task Force (IATF) in connection with COVID-19.*

SURFACE WATER SAMPLING STATIONS
Arsenic

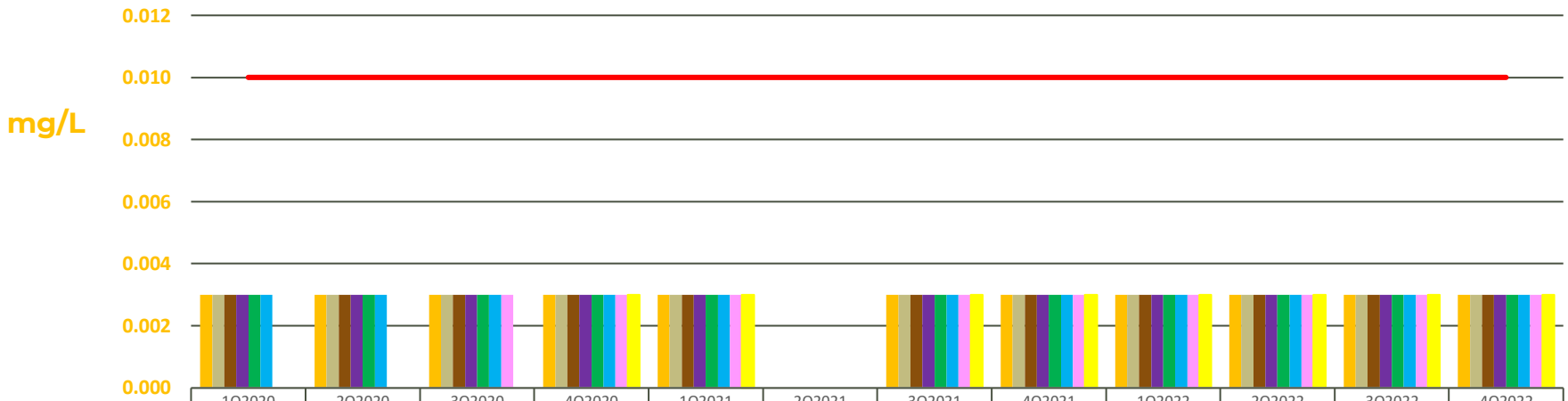


	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Llabongan upstream	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Kadaklaan outlet	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Marangreg	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Llabungan Midstream	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Llabungan Delta	0.0010	0.0007	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
BSW 12 (Effluent)	0.00	0.00	0.0007	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Kokokon (Effluent)	0.00	0.00	0.00	0.0007	0.0007	0.00	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
Standard	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040

**Sampling was not conducted during the 2nd quarter 2021 due to travel and other restrictions being implemented by the National and Local Inter-Agency Task Force (IATF) in connection with COVID-19.*

SURFACE WATER SAMPLING STATIONS

Cadmium

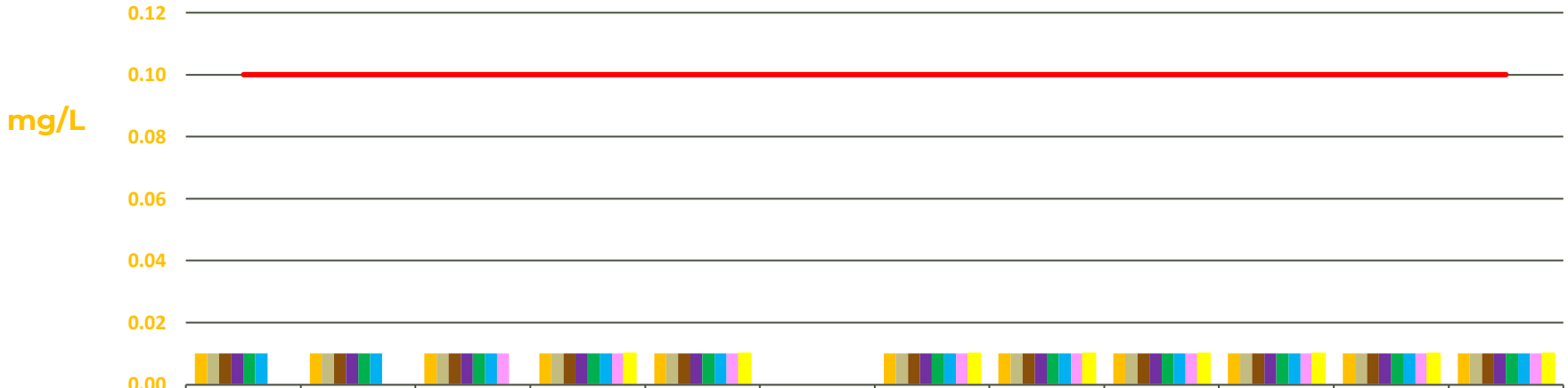


	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Llabongan upstream	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Kadaklaan outlet	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Marangreg confluence	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Llabungan Midstream	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Llabungan Delta	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
BSW 12 (Effluent)	0.00	0.00	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Kokokon (Effluent)	0.00	0.00	0.00	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Standard	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

**Sampling was not conducted during the 2nd quarter 2021 due to travel and other restrictions being implemented by the National and Local Inter-Agency Task Force (IATF) in connection with COVID-19.*

SURFACE WATER SAMPLING STATIONS

Lead



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Llabongan upstream	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Kadaklaan outlet	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Marangreg	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Llabungan Midstream	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Llabungan Delta	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
BSW 12 (Effluent)	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Kokokon (Effluent)	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Standard	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

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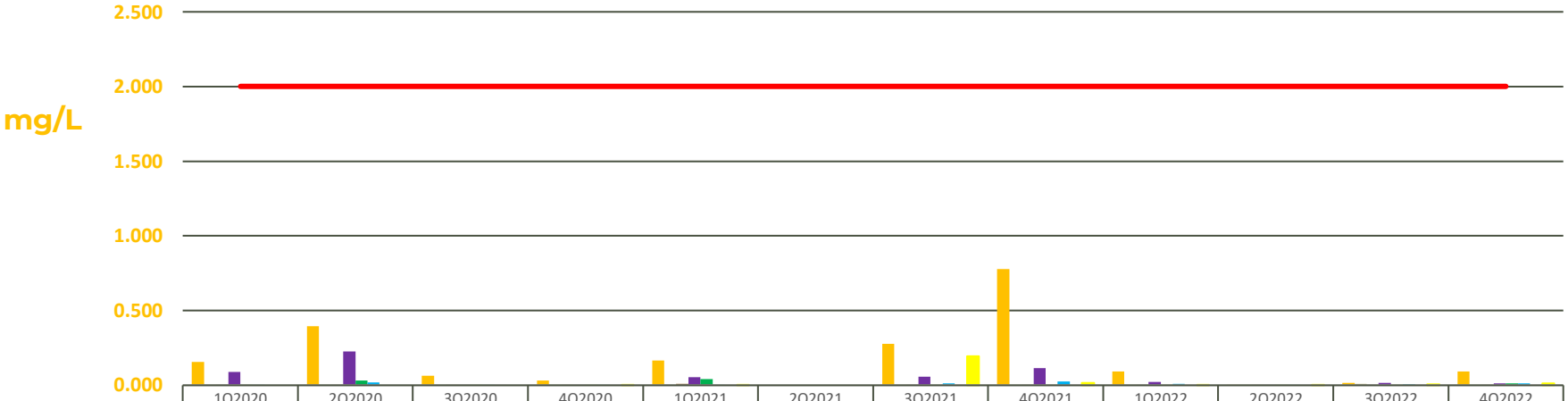
SURFACE WATER SAMPLING STATIONS

Manganese



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	0.154	0.393	0.062	0.031	0.165	0.00	0.277	0.777	0.092	0.003	0.014	0.090
Llabongan upstream	0.003	0.003	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.009	0.003
Kadaklaan outlet	0.003	0.003	0.003	0.003	0.007	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Marangreg	0.089	0.226	0.003	0.003	0.053	0.00	0.055	0.115	0.021	0.003	0.014	0.012
Llabungan Midstream	0.003	0.031	0.003	0.003	0.039	0.00	0.003	0.003	0.003	0.003	0.003	0.012
Llabungan Delta	0.003	0.018	0.003	0.003	0.003	0.00	0.010	0.025	0.009	0.003	0.006	0.010
BSW 12 (Effluent)	0.00	0.00	0.003	0.003	0.003	0.00	0.003	0.003	0.003	0.003	0.003	0.003
Kokokon (Effluent)	0.00	0.00	0.00	0.003	0.003	0.00	0.194	0.016	0.003	0.003	0.005	0.011
Standard	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

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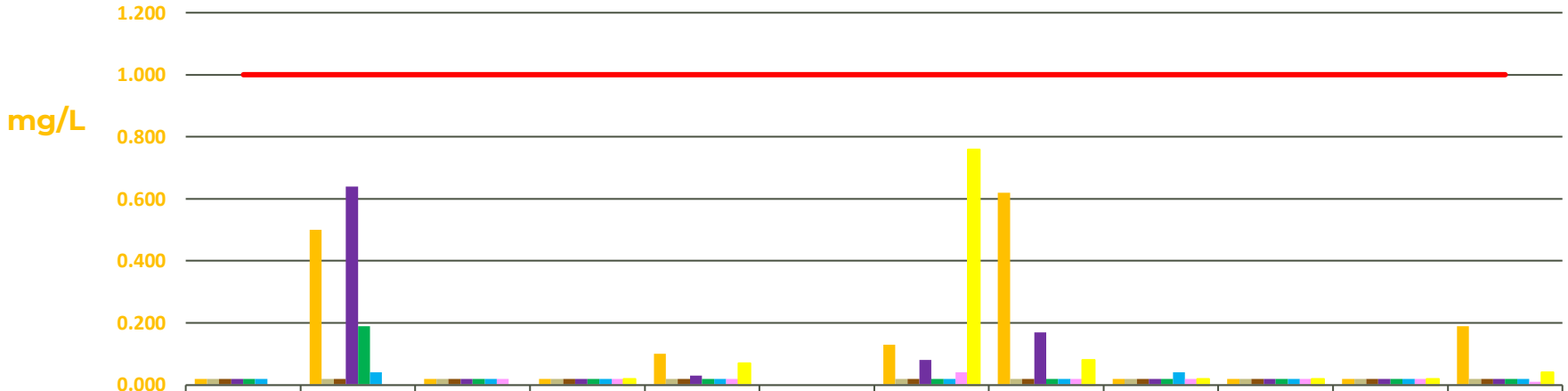
SURFACE WATER SAMPLING STATIONS

Nickel



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BSW 1	0.020	0.500	0.020	0.020	0.100	0.00	0.130	0.620	0.020	0.020	0.020	0.190
Llabongan upstream	0.020	0.020	0.020	0.020	0.020	0.00	0.020	0.020	0.020	0.020	0.020	0.020
Kadaklaan outlet	0.020	0.020	0.020	0.020	0.020	0.00	0.020	0.020	0.020	0.020	0.020	0.020
Marangreg	0.020	0.640	0.020	0.020	0.030	0.00	0.080	0.170	0.020	0.020	0.020	0.020
Llabungan Midstream	0.020	0.190	0.020	0.020	0.020	0.00	0.020	0.020	0.020	0.020	0.020	0.020
Llabungan Delta	0.020	0.040	0.020	0.020	0.020	0.00	0.020	0.020	0.040	0.020	0.020	0.020
BSW 12 (Effluent)	0.00	0.00	0.020	0.020	0.020	0.00	0.040	0.020	0.020	0.020	0.020	0.010
Kokokon (Effluent)	0.00	0.00	0.00	0.020	0.070	0.00	0.760	0.080	0.020	0.020	0.020	0.040
Standard	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

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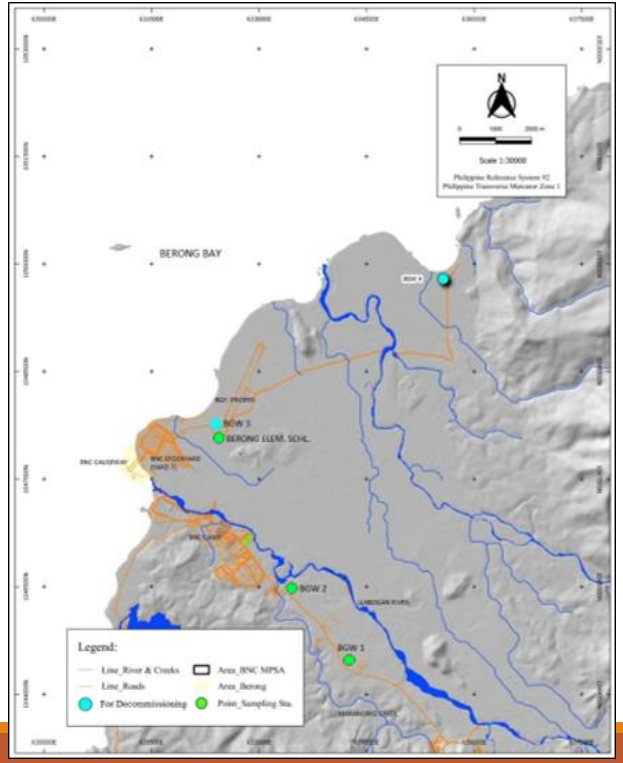
R.A. 9275 (Philippine Clean Water Act of 2004)

Ground Water Sampling Station



The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

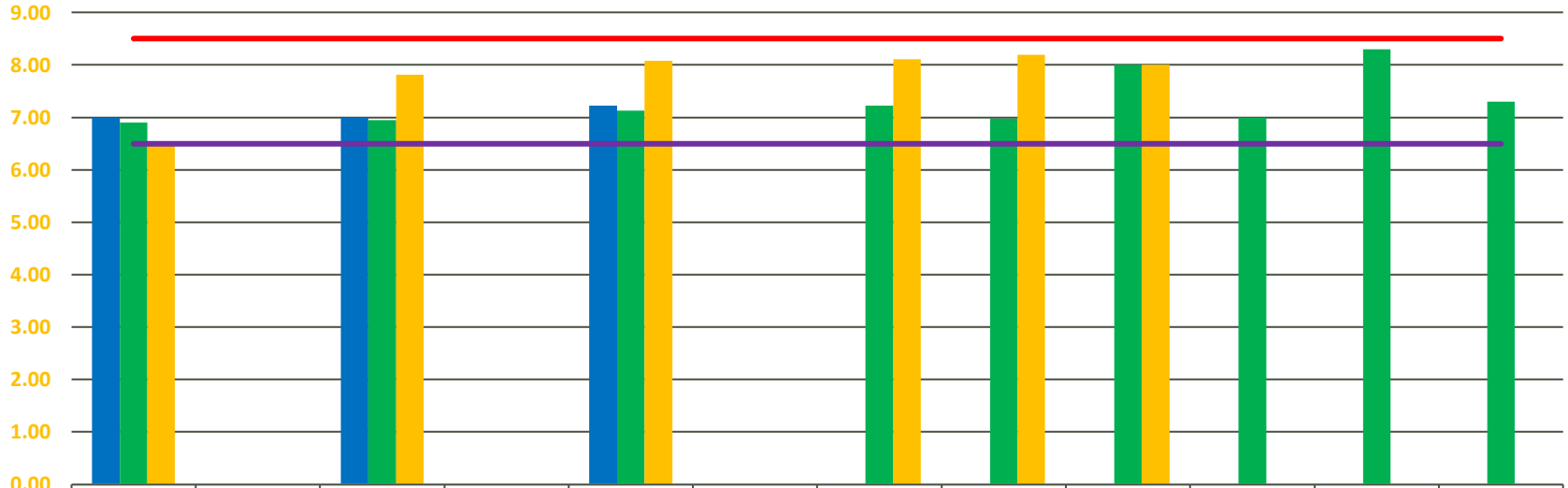
GROUNDWATER SAMPLING ACTIVITY

BGW 2

The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

GROUNDWATER SAMPLING STATIONS

pH



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	7.00	0.000	7.00	0.000	7.22	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BGW 2	6.90	0.000	6.95	0.000	7.13	0.000	7.22	6.98	8.00	7.00	8.30	7.30
BGW 4	6.50	0.000	7.81	0.000	8.08	0.000	8.11	8.19	8.00	0.000	0.000	0.000
Standard (max)	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
Standard (min)	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50	6.50

The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

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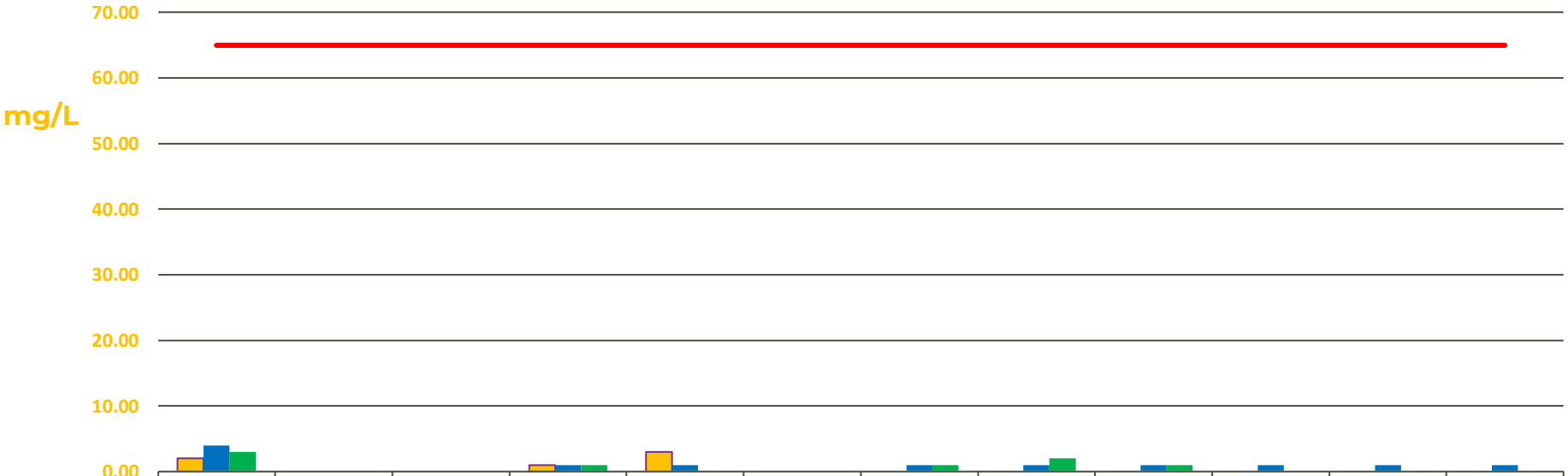
GROUNDWATER SAMPLING STATIONS
Total Suspended Solids (TSS)



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	2.00	0.000	0.000	1.00	3.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BGW 2	4.00	0.000	0.000	1.00	1.00	0.000	1.00	1.00	1.00	1.00	1.00	1.00
BGW 4	3.00	0.000	0.000	1.00	0.000	0.000	1.00	2.00	1.00	0.000	0.000	0.000
Standard	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00	65.00

The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

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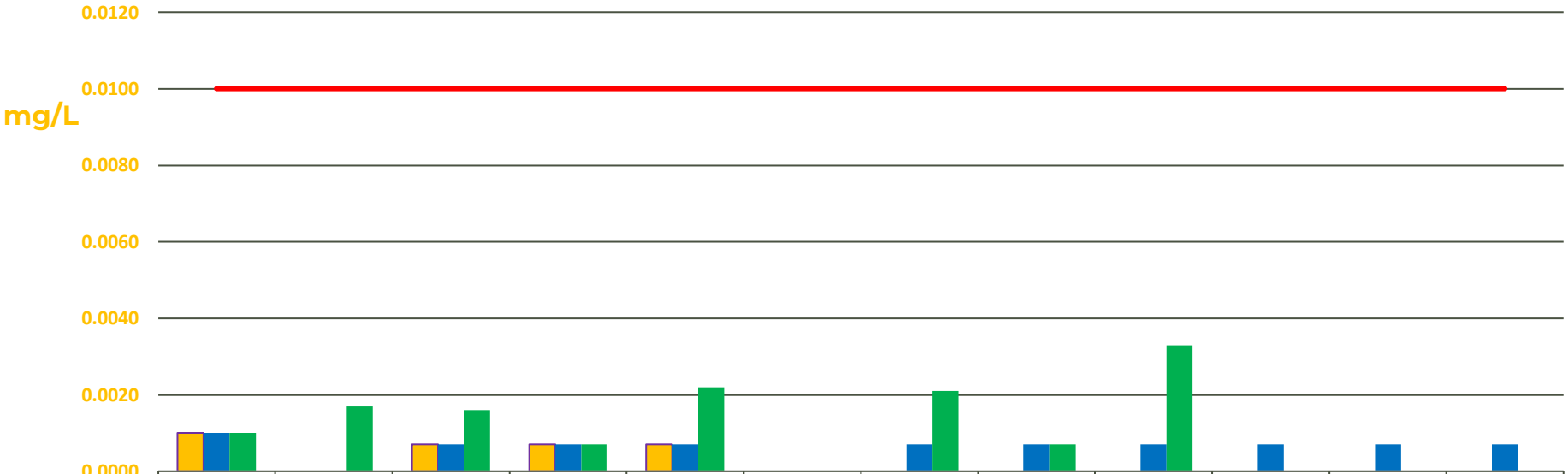
GROUNDWATER SAMPLING STATIONS
Arsenic



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	0.0010	0.0000	0.0007	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
BGW 2	0.0010	0.0000	0.0007	0.0007	0.0007	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.001
BGW 4	0.0010	0.0017	0.0016	0.0007	0.0022	0.0000	0.0021	0.0007	0.0033	0.0000	0.0000	0.000
Standard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0100	0.01	0.01	0.01

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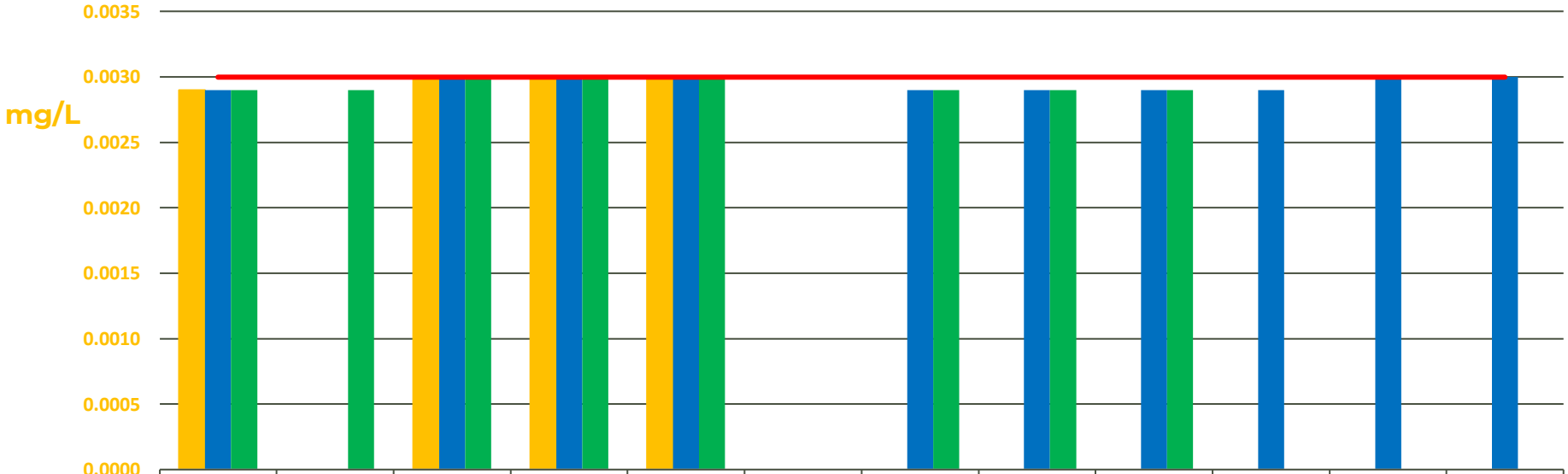
GROUNDWATER SAMPLING STATIONS

Cadmium



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	0.0029	0.0000	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
BGW 2	0.0029	0.0000	0.0030	0.0030	0.0030	0.0000	0.0029	0.0029	0.0029	0.0029	0.0030	0.0030
BGW 4	0.0029	0.0029	0.0030	0.0030	0.0030	0.0000	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000
Standard	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003

The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

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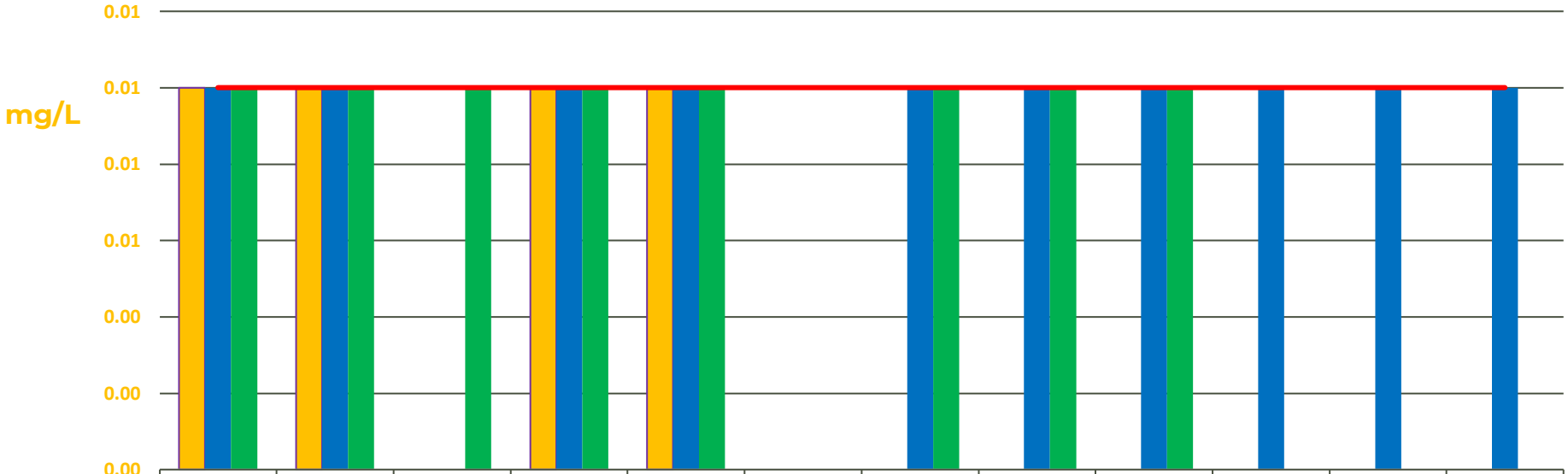
GROUNDWATER SAMPLING STATIONS

Lead



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BGW 2	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
BGW 4	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00
Standard	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

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GROUNDWATER SAMPLING STATIONS

Manganese

	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	0.003	0.000	0.003	0.003	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BGW 2	0.003	0.000	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.003	0.009
BGW 4	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.000	0.000	0.000
Standard	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200

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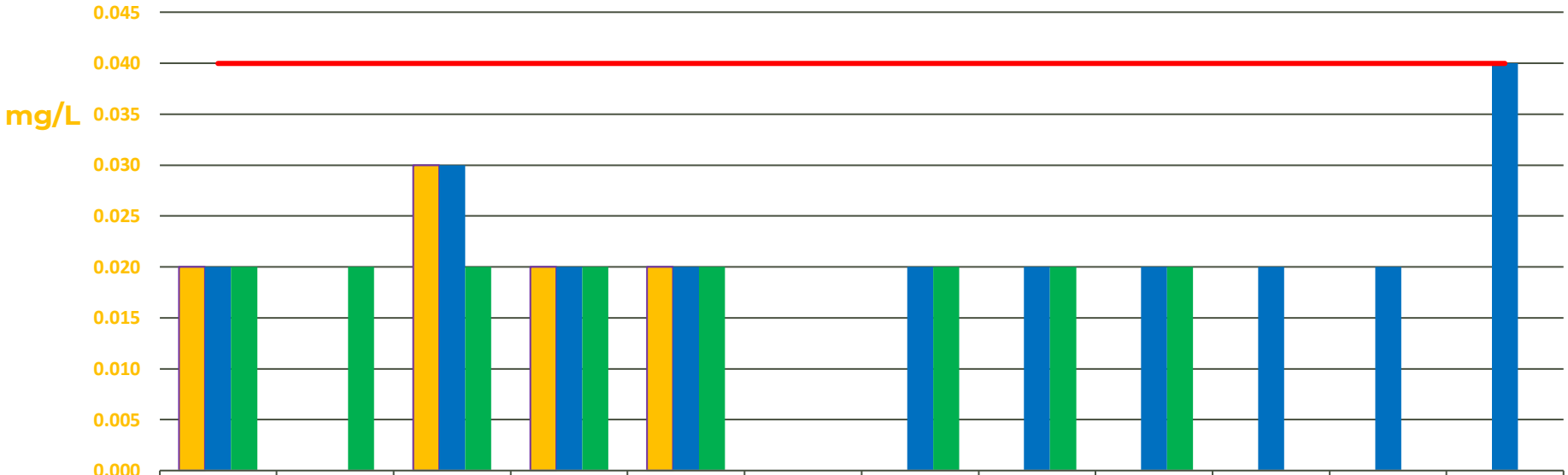
GROUNDWATER SAMPLING STATIONS

Nickel



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BGW 1	0.020	0.000	0.030	0.020	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BGW 2	0.020	0.000	0.030	0.020	0.020	0.000	0.020	0.020	0.020	0.020	0.020	0.040
BGW 4	0.020	0.020	0.020	0.020	0.020	0.000	0.020	0.020	0.020	0.000	0.000	0.000
Standard	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040

The remaining underground water sampling station is BGW 2. The rest are no longer operational or destroyed.

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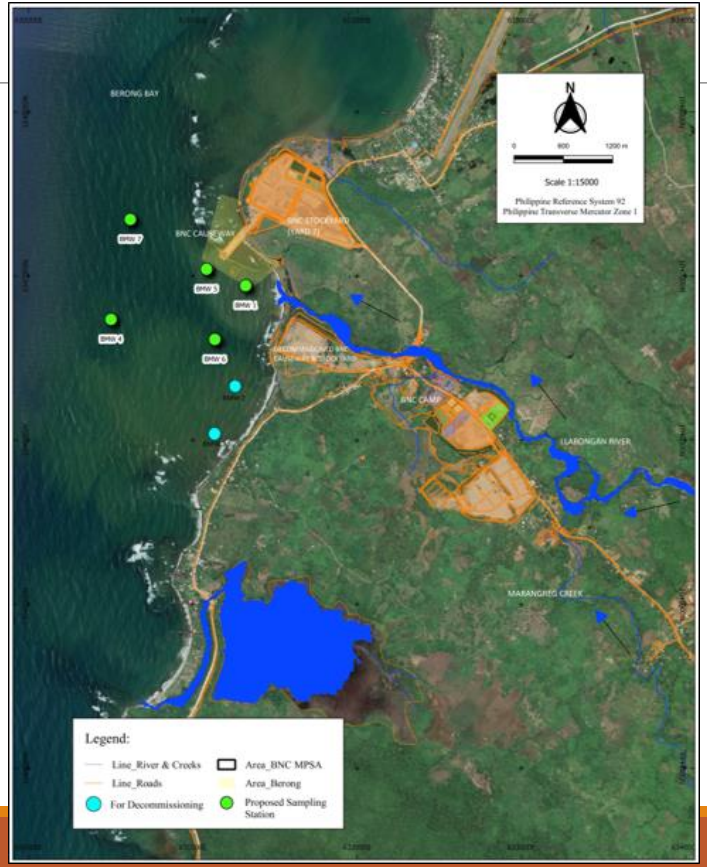
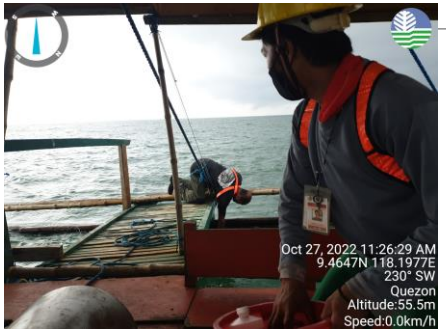
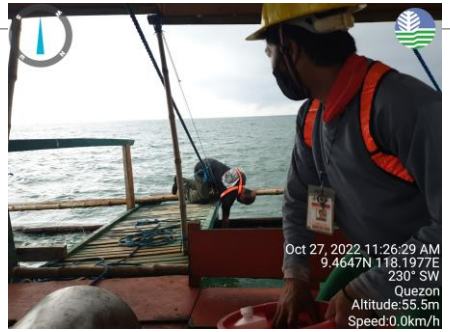
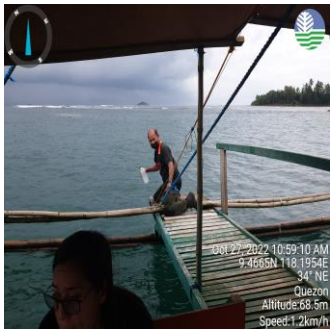
MARINE WATER SAMPLING STATIONS



MARINE WATER SAMPLING ACTIVITY

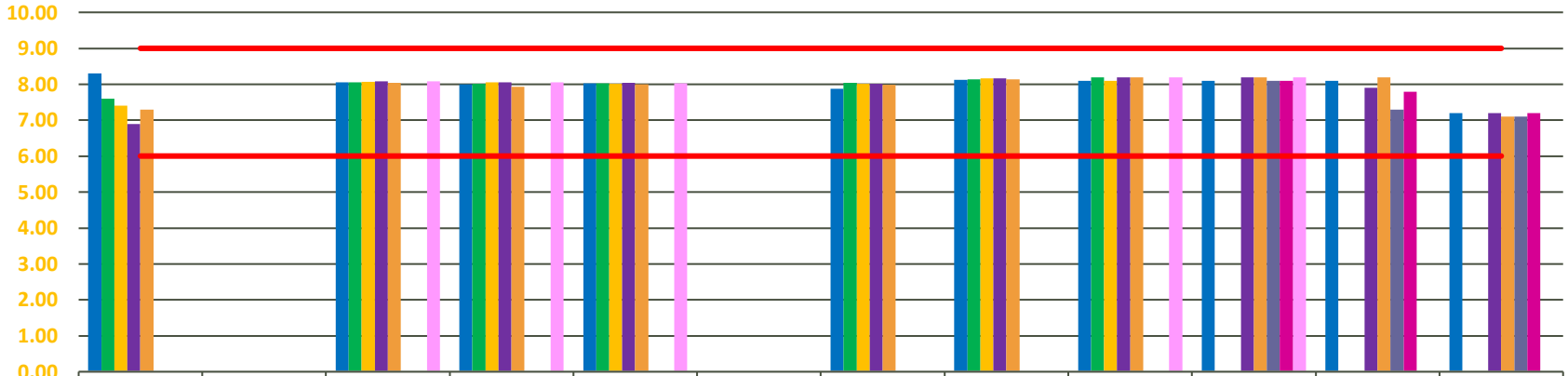






MARINE WATER SAMPLING STATIONS

pH



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	8.30	0.000	8.06	8.00	8.03	0.000	7.87	8.12	8.10	8.10	8.10	7.20
BMW 2	7.60	0.000	8.05	8.01	8.03	0.000	8.04	8.14	8.20	0.000	0.000	0.000
BMW 3	7.40	0.000	8.07	8.05	8.01	0.000	8.02	8.16	8.10	0.000	0.000	0.000
BMW 4	6.90	0.000	8.08	8.05	8.04	0.000	8.02	8.16	8.20	8.20	7.90	7.20
BMW 5	7.30	0.000	8.04	7.93	8.00	0.000	7.99	8.14	8.20	8.20	8.20	7.10
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.10	7.30	7.10
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.10	7.80	7.20
Isugod	0.000	0.000	8.08	8.06	8.03	0.000	0.000	0.000	8.20	8.20	0.00	0.000
Standard (max)	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
Standard (min)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00

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MARINE WATER SAMPLING STATIONS
Total Suspended Solids (TSS)

	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	62.00	0.000	0.000	2.00	3.00	0.000	3.00	2.00	4.00	3.00	2.00	3.00
BMW 2	31.00	0.000	0.000	2.00	1.00	0.000	1.00	1.00	3.00	0.000	0.00	0.000
BMW 3	27.00	0.000	0.000	2.00	1.00	0.000	1.00	2.00	3.00	0.000	0.00	0.000
BMW 4	32.00	0.000	0.000	1.00	1.00	0.000	1.00	2.00	1.00	1.00	1.00	1.00
BMW 5	50.00	0.000	0.000	3.00	1.00	0.000	1.00	3.00	3.00	1.00	1.00	2.00
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.00	2.00	1.00
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.00	1.00	1.00
Isugod	0.000	0.000	0.000	1.00	1.00	0.000	0.000	0.000	1.00	1.00	0.00	0.000
Standard	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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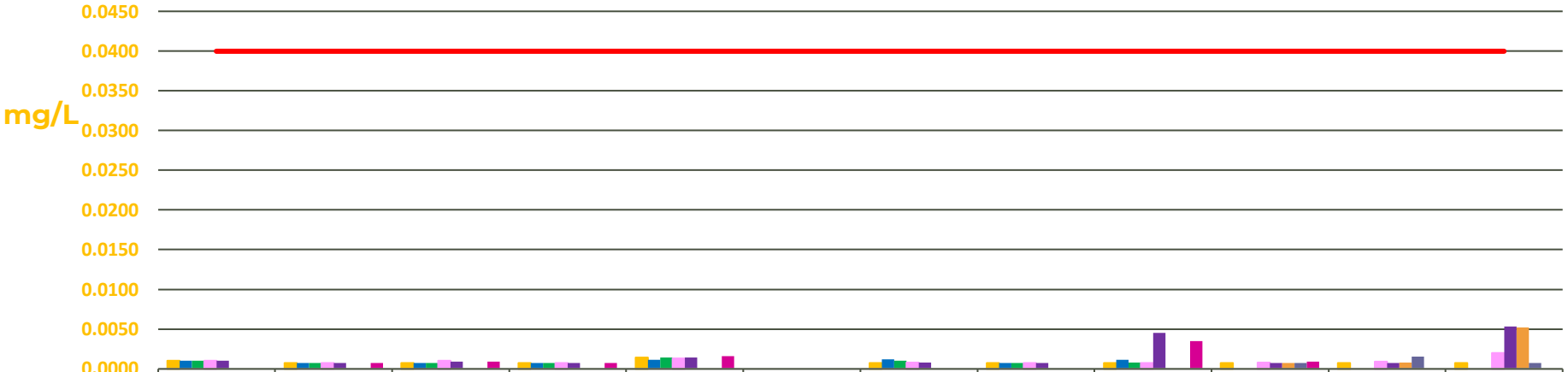
MARINE WATER SAMPLING STATIONS
Arsenic



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	0.0010	0.0007	0.0007	0.0007	0.0014	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
BMW 2	0.0010	0.0007	0.0007	0.0007	0.0011	0.0000	0.0012	0.0007	0.0011	0.0000	0.00	0.000
BMW 3	0.0010	0.0007	0.0007	0.0007	0.0014	0.0000	0.0010	0.0007	0.0008	0.0000	0.00	0.000
BMW 4	0.0010	0.0007	0.0010	0.0007	0.0013	0.0000	0.0008	0.0007	0.0007	0.0008	0.0009	0.002
BMW 5	0.0010	0.0007	0.0009	0.0007	0.0014	0.0000	0.0008	0.0007	0.0045	0.0007	0.0007	0.0053
BMW 6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0008	0.0052
BMW 7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0015	0.0007
Isugod	0.0000	0.0007	0.0009	0.0007	0.0016	0.0000	0.0000	0.0000	0.0035	0.0009	0.00	0.000
Standard	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040

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MARINE WATER SAMPLING STATIONS
Cadmium

	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q20212	2Q20213	3Q20214	4Q20215
BMW 1	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.003	0.003
BMW 2	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.000	0.00	0.000
BMW 3	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.000	0.00	0.000
BMW 4	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.003	0.003
BMW 5	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.003	0.003
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.003
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.003
Isugod	0.000	0.003	0.003	0.003	0.003	0.000	0.000	0.000	0.003	0.003	0.00	0.000
Standard	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010

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MARINE WATER SAMPLING STATIONS
Lead

	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.010
BMW 2	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.000	0.00	0.000
BMW 3	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.000	0.00	0.000
BMW 4	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.01
BMW 5	0.010	0.010	0.010	0.010	0.010	0.000	0.010	0.010	0.010	0.010	0.010	0.01
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.01
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.010	0.01
Isugod	0.000	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.010	0.010	0.00	0.000
Standard	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100

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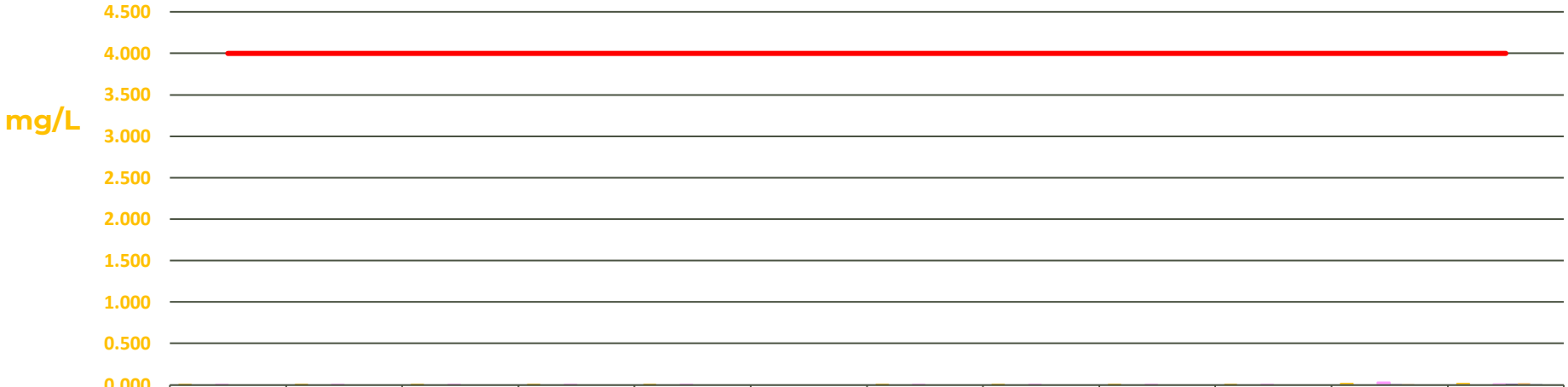
MARINE WATER SAMPLING STATIONS
Manganese



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.013	0.013
BMW 2	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.000	0.00	0.000
BMW 3	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.000	0.00	0.000
BMW 4	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.033	0.011
BMW 5	0.003	0.003	0.003	0.003	0.003	0.000	0.003	0.003	0.003	0.003	0.006	0.014
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.009	0.017
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.003	0.011
Isugod	0.000	0.003	0.003	0.003	0.003	0.000	0.000	0.000	0.003	0.003	0.00	0.000
Standard	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000

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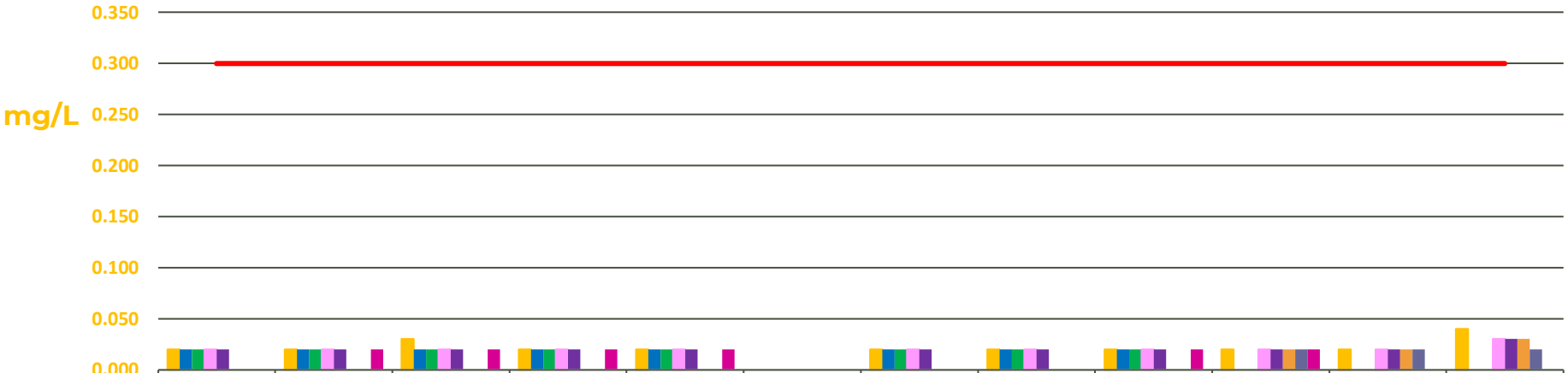
MARINE WATER SAMPLING STATIONS

Nickel



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
BMW 1	0.020	0.020	0.030	0.020	0.020	0.000	0.020	0.020	0.020	0.020	0.02	0.040
BMW 2	0.020	0.020	0.020	0.020	0.020	0.000	0.020	0.020	0.020	0.000	0.00	0.000
BMW 3	0.020	0.020	0.020	0.020	0.020	0.000	0.020	0.020	0.020	0.000	0.00	0.000
BMW 4	0.020	0.020	0.020	0.020	0.020	0.000	0.020	0.020	0.020	0.020	0.02	0.03
BMW 5	0.020	0.020	0.020	0.020	0.020	0.000	0.020	0.020	0.020	0.020	0.02	0.03
BMW 6	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.02	0.03
BMW 7	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.02	0.02
Isugod	0.000	0.020	0.020	0.020	0.020	0.000	0.000	0.000	0.020	0.020	0.00	0.000
Standard	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300

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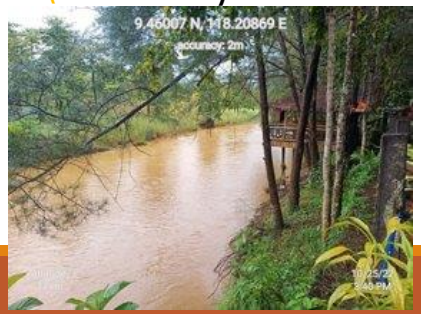
FINDINGS AND OBSERVATIONS

- Other Settling ponds/pits are near on its capacity that might flow anytime when excessive rains occur, which could lead to water discoloration of the Berong/Llabongan River down to the sea.

- During the day of arrival of MMT members, water discoloration of the river was observed due to heavy rains. The water was clear after the following day when the rain stopped.

Berong River (10/25/22)



Marangreg Creek (10/26/22)

FINDINGS AND OBSERVATIONS

- The water checker, sometimes, does not display the in-situ reading for Dissolved Oxygen. In addition, the in-situ reading, and lab result are different when it comes to pH, which may indicate that the given equipment show an inaccuracy on the said parameter. Accordingly, the given equipment will be sent to calibration center after the MMT validation.

RECOMMENDATIONS

- Frequent desilting activity on the settling ponds should be conducted to avoid possible overflowing and cause a possible contamination on the water bodies.
- The exposed/bared ridges/gullies are also rehabilitated to lessen water discoloration during heavy rains and further erosion.

Republic Act No. 8749

Philippine Clean Air Act of 1999

R.A. 8749 (Philippine Clean Air Act of 1999)

Department of Environment and Natural Resources
Environmental Management Bureau
Region Office No. IV - B MIMAROPA

2017 /POA-D-0453-334
Permit No
Date: 09-Nov-17

Additional
PERMIT TO OPERATE
Air Pollution Source and Control Installations

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

BERONG NICKEL CORPORATION — **Brgy. Berong, Quezon Palawan**
(Name of Firm, Individual, Owner etc.) (Address)

to operate the following:

One (1) unit 225 KVA "KOMATSU" Diesel Electric Generator One (1) unit 360 KVA "KOMATSU" Diesel Electric Generator, One (1) unit 303 KVA " KOMATSU" Diesel Electric Generator set, One (1) unit 63 KVA " PERKINS" Diesel Electric Generator, One (1) unit 75 KVA " PERKINS" Diesel Electric Generator, Twelve (12) units 6 KVA "DOOSAN" Diesel Engine Tower Light, One (1) unit 6 KVA "TEREX" Diesel Engine Tower Light.

Recommended by:
ENGR. BUENA FE A. RIOFLORDO
OIC, Compliance and Permitting Division

Approved by:
ENGR. MARIA SOCORRO A. ABU
OIC, Regional Director

Unless sooner revoked, this permit is valid up to:
08-Nov-22

Permit Conditions

1. Must conform to National Ambient Air Quality Standards for Air Pollutants pursuant to Section 1, Rule XXV, Part VII of RA 8749.

2. 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

3. 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.

O.R. No.	Fee		Date
5150142	Permit Fee	40,000.00	10/23/2017
5150149	Filing Fee	600.00	10/23/2017
5150208	Legal Research Fee	30.00	10/23/2017

5th Floor DENR by the Bay Bldg., 1515 Roxas Blvd., Ermita, Manila
RD's Office 536-9786; Admin/Finance Division Telefax No. 400-5960
PC Division 521-8604; EIA Division Telefax No. 400-5960
E-mail Address: emb_4b@denr.gov.ph and emb_mimaropa@yahoo.com

Generator Sets

NOISE AND AMBIENT AIR QUALITY SAMPLING ACTIVITY

Minesite

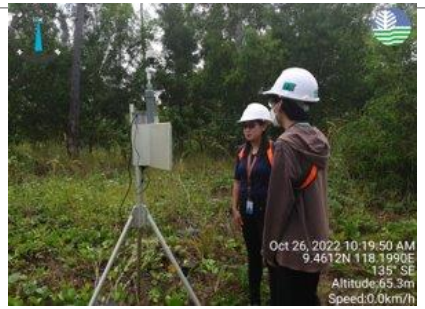
So. Tungib

Berong Elementary School

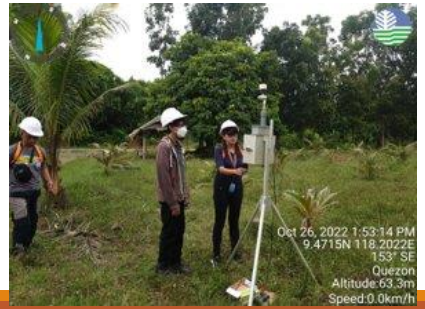
Campsite

NOISE AND AMBIENT AIR QUALITY SAMPLING ACTIVITY

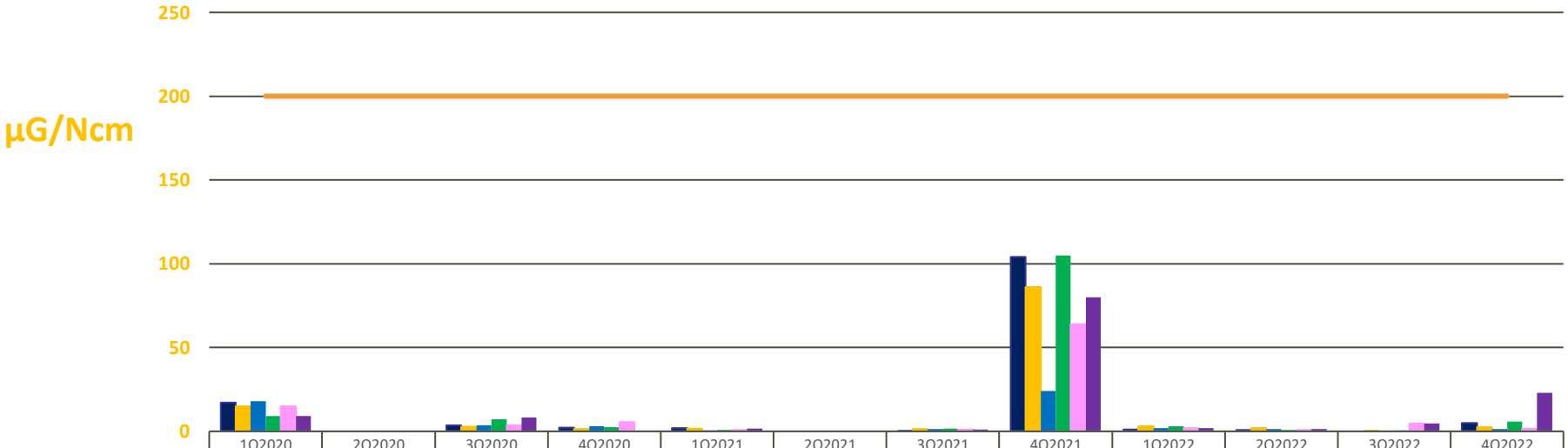
Old Pier



Marine Base



AMBIENT AIR QUALITY SAMPLING STATIONS
Total Suspended Particles (TSP)



	1Q2020	2Q2020	3Q2020	4Q2020	1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	2Q2022	3Q2022	4Q2022
Minesite	17	0	3.58	2.16	2	0	0.1	104	1	0.7	0	5
So. Tungib	15	0	2.58	1.42	1.7	0	1.4	86	3	1.8	0.25	2.41
BNC Camp	18	0	3.58	3	0.4	0	1.2	24	2	1.2	0.16	1.33
Berong Elem. School	9	0	7.08	2.5	0.9	0	1.6	105	3	0.8	0.58	5.75
Old BNC Pier	15	0	3.67	5.5	0.7	0	1.1	64	2	0.8	4.75	1.66
Phil Marine Outpost	9	0	8	0	1.5	0	1.0	80	2	1.3	4.75	22.83
DENR Standard	200	200	200	200	200	200	200	200	200	200	200	200

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NOISE LEVEL MONITORING RESULTS

4th Quarter 2022 MMT Noise Level Monitoring Results

	Station Identification	Date	Time		NPCC Standard		Noise Level, dB			Remarks
					Area Category	Limit	Minimum	Maximum	Median	
AQ 1	Active Mine Site (Mine Look-out area)	27-Oct-22	8:30am-8:45am	Morning	D	70	40.2	65.8	48.5	PASSED
AQ 2	Sitio Tungib (2 km North of mine pit)	26-Oct-22	3:35-3:50pm	Daytime	A	55	35.8	60.0	49.6	PASSED
AQ 3	BNC Camp (adjacent to ore stockyard area)	26-Oct-22	11:40-11:55pm	Daytime	A	55	40.0	52.2	48.3	PASSED
AQ 4	Berong Elementary School	26-Oct-22	5:20-5:35pm	Daytime	AA	50	40.6	52.0	45.0	PASSED
AQ 5	Old Causeway/Jetty Area	26-Oct-22	10:25-10:40am	Daytime	D	75	50.8	70.2	58.3	PASSED
AQ 6	New Pier/Yard 7	26-Oct-22	01:55-2:10pm	Daytime	D	75	36.8	60.4	47.6	PASSED

Category of Area:	Morning 5 AM-9 AM	Daytime 9 AM-6 PM	Evening 6 PM-10 PM	Nighttime 10 PM-5 AM
AA	45 dB	50 dB	45 dB	40 dB
A	50 dB	55 dB	50 dB	45 dB
B	60 dB	65 dB	60 dB	55 dB
C	65 dB	70 dB	65 dB	60 dB
D	70 dB	75 dB	70 dB	65 dB

Black font -within standard
Red font -failed

FINDINGS AND OBSERVATIONS

- Presently, there are two (2) Oil Water Separator Facilities located in the BNC Fuel Farm and Powerhouse that are also required to secure a Discharge Permit in addition with the nine (9) septic tanks.

Fuel Farm

Powerhouse

FINDINGS AND OBSERVATIONS

- The Company is reminded regarding the four (4) fuel storage tanks each with a capacity of 18,000 liters in their fuel farm that were not covered in the recent PTO renewal application.

FINDINGS AND OBSERVATIONS

- Currently, out of the adopted seven (7) sites for the Adopt-A-Mangrove Forest project, only two (2) sites remained active, these are in Barangays Tabon and Isugod (Berong) as other sites located in Puerto Princesa City, Sofronio Española, and Brgys. Panitian, Aramaywan and Berong, Quezon, Palawan which was turned-over to the concerned LGUs/BLGUs

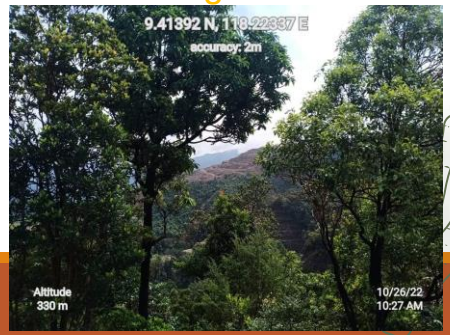
- There are ridges/gullies along the haul roads, specifically, Km 9.3, 9.5,Mining Area 19 and 25 that are exposed or bared.

- Km 9.3

- Km 9.5

Mining Area 19

Mining Area 25



RECOMMENDATIONS

- With the renewal of the PCO Accreditation, the proponent is reminded to secure Discharge Permit (DP) for the septic tanks and Oil-Water Separator Facilities and renewal for the Permit to operate (PTO) is currently pending for approval and likewise to secure a Permit to operate for the four (4) fuel storage tanks.

- Profiling of the turned-over sites for Adopt-A-Mangrove projects to the LGUs

THANK YOU