2ND Quarter MMT BNC Validation

3rd Quarter Air and Water Sampling

September 13 - 16, 2022

BERONG MINING PROJECT: Brgy. Berong, Quezon, Palawan

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

LGU : Rodel L. Arellano

BNC Representatives

ENVIRONMENTAL LAWS

R.A. No. 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990)

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

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

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

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 na*

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 AMIL M. SALINO
Regional Director
November 09, 2021

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 HWMS website for details.

Protect the environment... Protect life...

Page 1 of 1

Hazardous Waste Storage Area

Medical Waste Storage Area

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

Residual Containment Area

Waste Storage Bin within the Main Campus

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

Vermi-composting

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

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

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Ermita, Manila
Tel No: (02) 536-97-86

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 Siltation 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 Siltation 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 Siltation 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 Siltation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15) days

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Ermita, Manila
Tel No: (02) 536-97-86

Date: Apr 06, 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 Siltation Pond System consisting of seven (7) units retention ponds with a total capacity of 17,795 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 Siltation 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 Siltation 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 Siltation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15)

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Ermita, Manila
Tel No: (02) 536-97-86

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 Siltation 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 Siltation 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 Siltation 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 Siltation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15)

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Ermita, Manila
Tel No: (02) 536-97-86

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 Siltation 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 Siltation 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 Siltation 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 Siltation Pond System within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within

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

Yard 7

Nursery

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

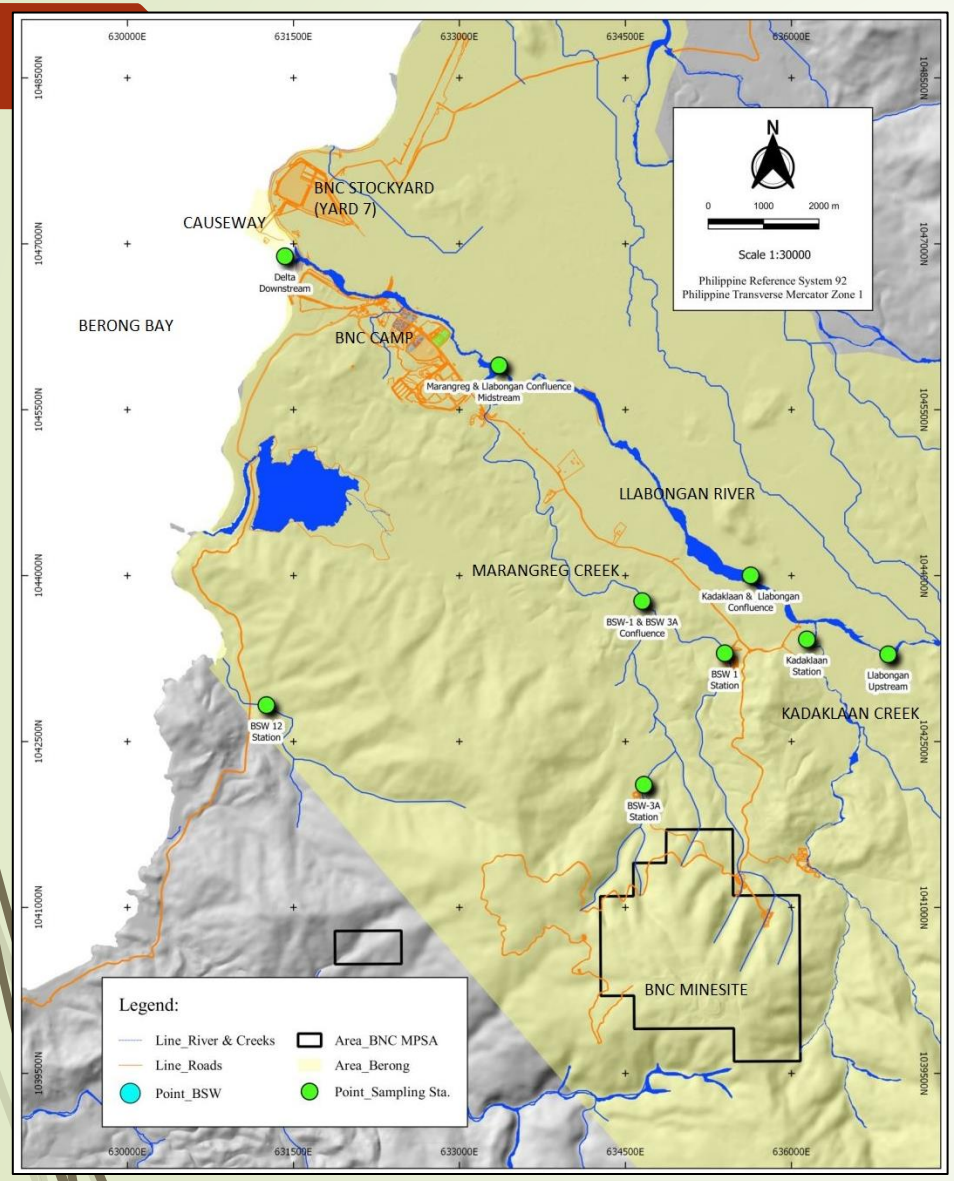
Kokokon

Km 7

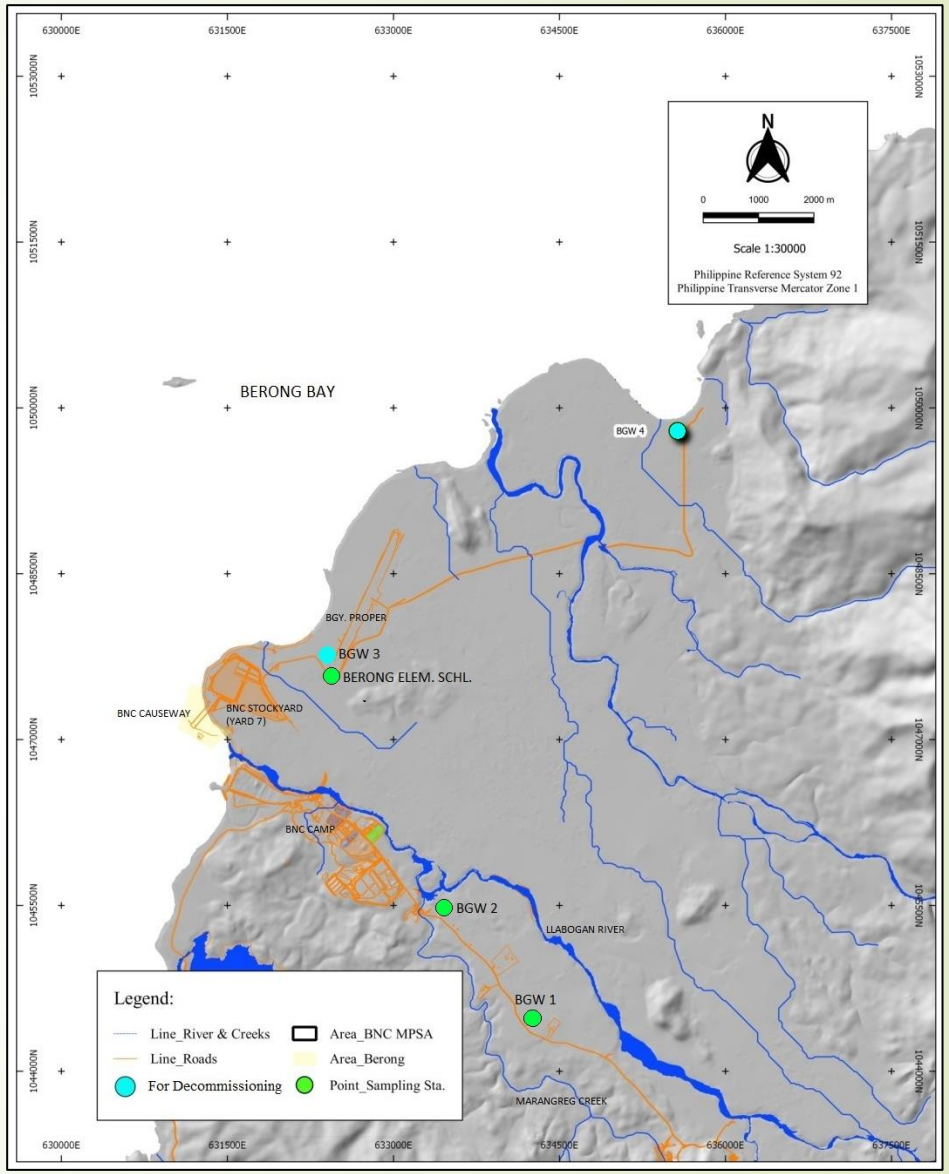
R.A. 9275 (Philippine Clean Water Act of 2004)

Badlisan

Surface Water Sampling Stations



Ground Water Sampling Station Map



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

MMT EFFLUENT WATER SAMPLING ACTIVITY

KM 7

Kokokon

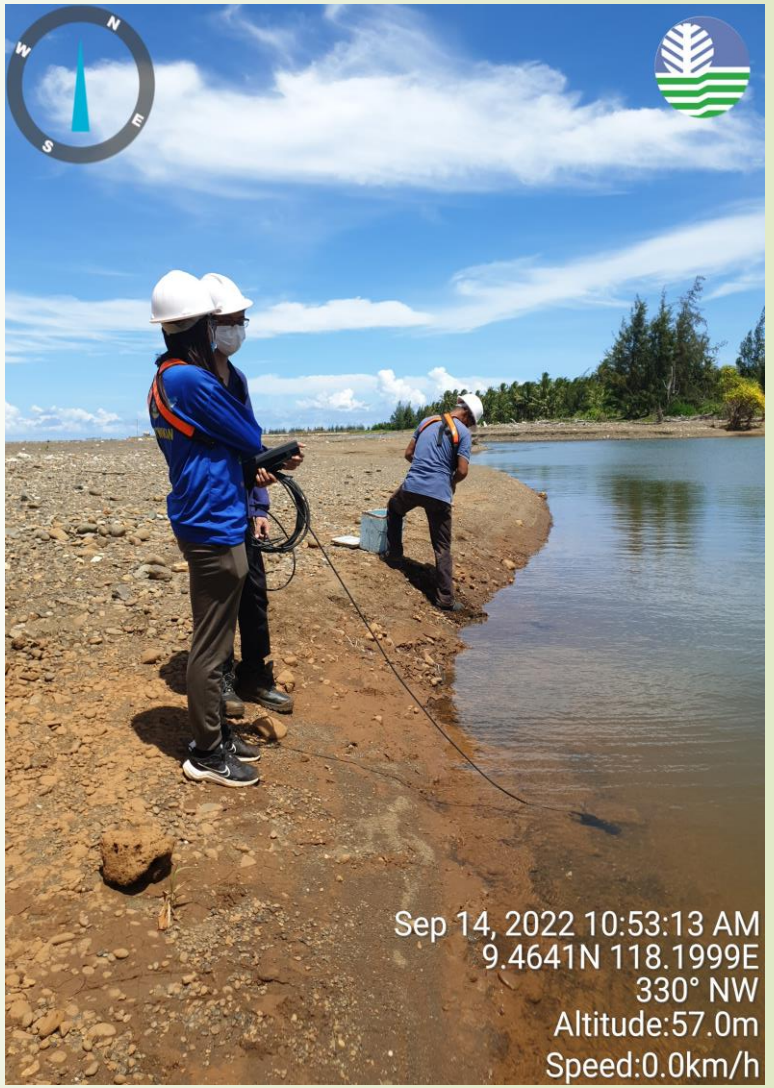
MMT WATER SAMPLING ACTIVITY

Kadaklaan Creek

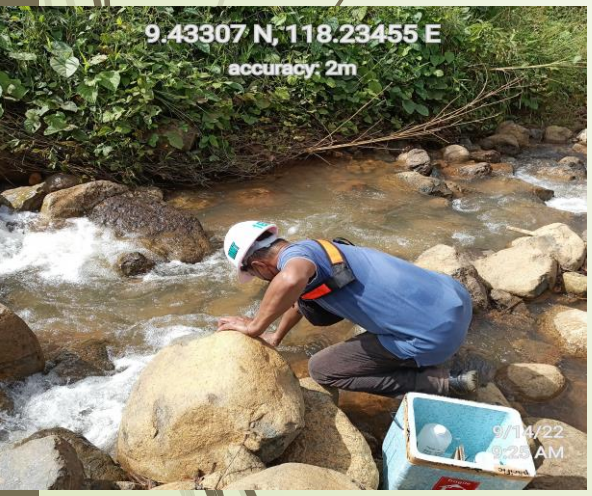
Llabungan Midstream

Marangreg

Llabungan Delta

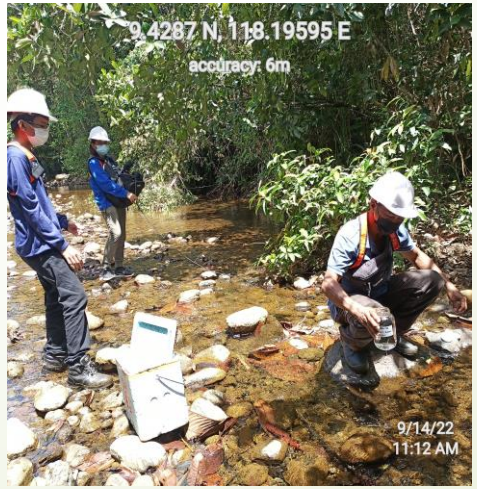


BSW 1 (Effluent)



Llabungan Upstream

BSW 12

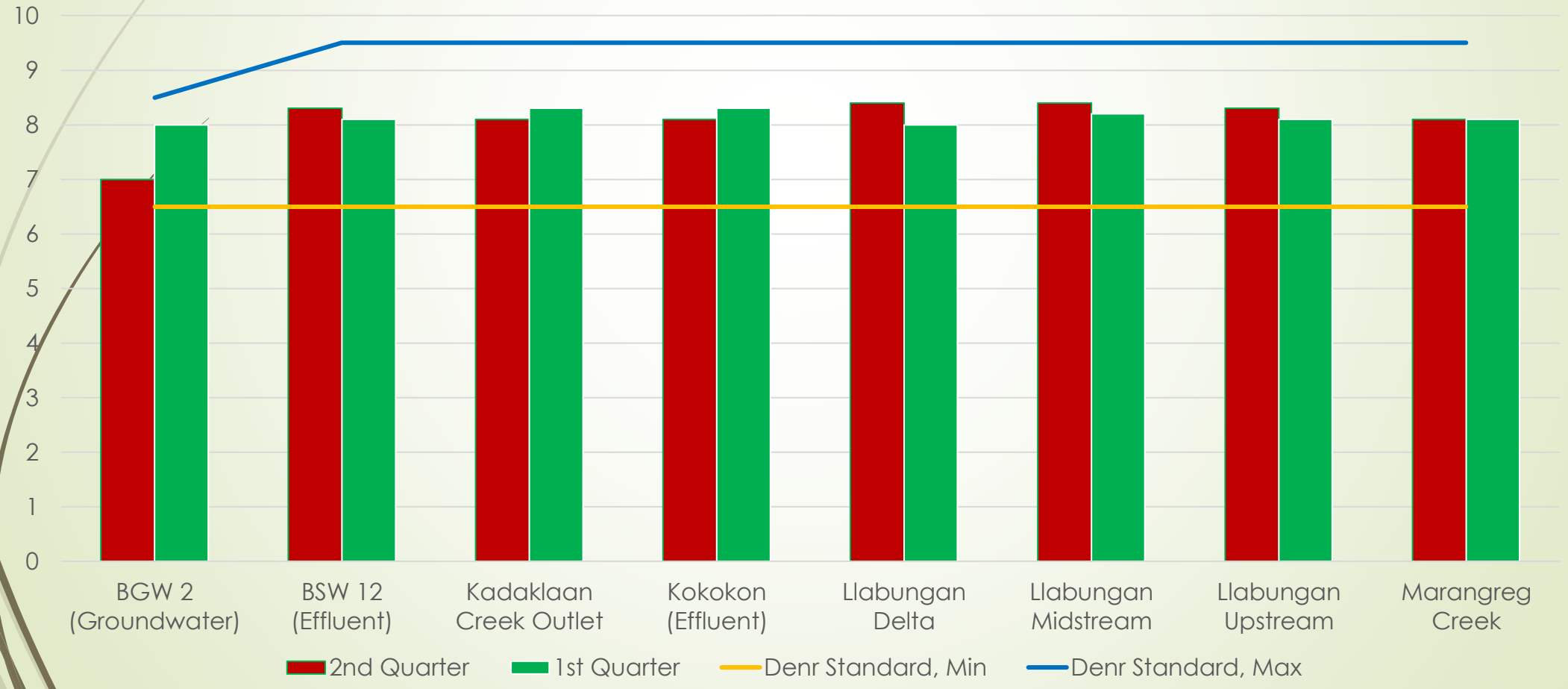


UNDERGROUND WATER SAMPLING

BGW 2

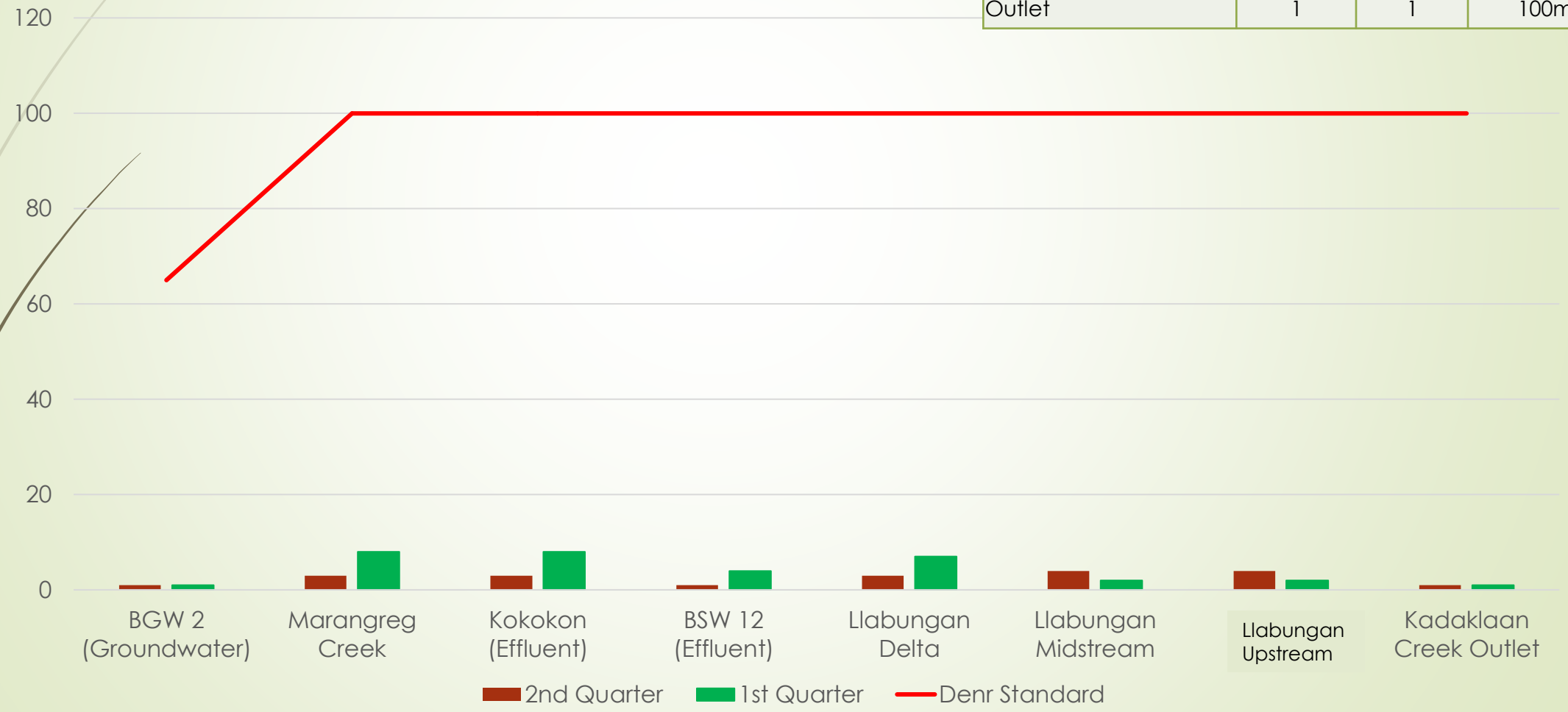
2022 Underground and Surface Water Quality Monitoring Result pH

	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	7	8	6.5 - 8.5
BSW 12 (Effluent)	8.3	8.1	6.5 - 9.5
Kadaklaan Creek Outlet	8.1	8.3	6.5 - 9.5
Kokokon (Effluent)	8.1	8.3	6.5 - 9.5
Llabungan Delta	8.4	8	6.5 - 9.5
Llabungan Midstream	8.4	8.2	6.5 - 9.5
Llabungan Upstream	8.3	8.1	6.5 - 9.5
Marangreg Creek	8.1	8.1	6.5 - 9.5



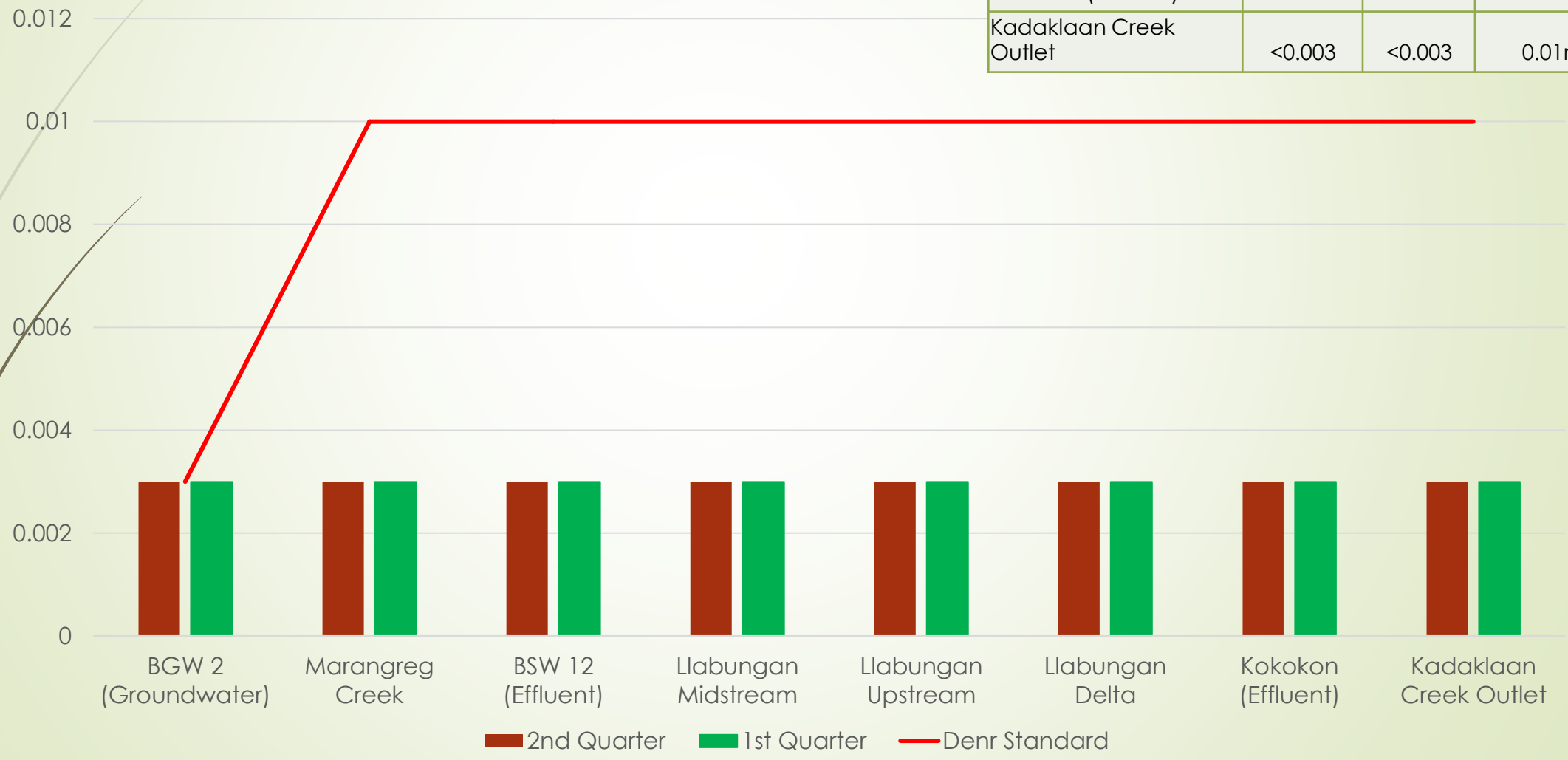
2022 Underground and Surface Water Quality Monitoring Result
TSS

	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	1	1	65 mg/L
Marangreg Creek	3	8	100mg/L
Kokokon (Effluent)	3	8	100mg/L
BSW 12 (Effluent)	1	4	100mg/L
Llabungan Delta	3	7	100mg/L
Llabungan Midstream	4	2	100mg/L
Llabungan Upstream	4	2	100mg/L
Kadaklaan Creek Outlet	1	1	100mg/L



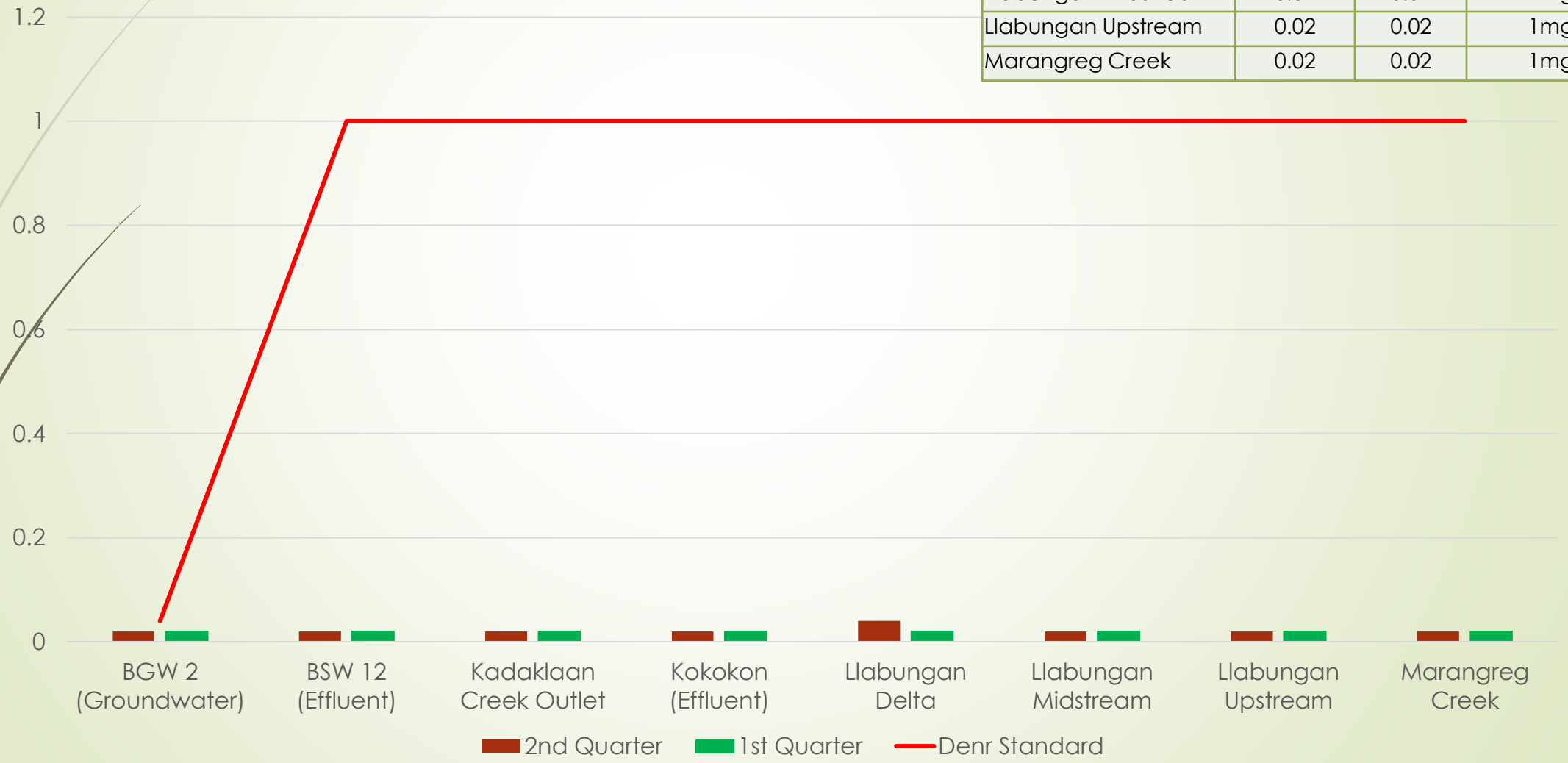
2022 Underground and Surface Water Quality Monitoring Result
Cadmium

	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	<0.003	<0.003	0.003mg/L
Marangreg Creek	<0.003	<0.003	0.01mg/L
BSW 12 (Effluent)	<0.003	<0.003	0.01mg/L
Llabungan Midstream	<0.003	<0.003	0.01mg/L
Llabungan Upstream	<0.003	<0.003	0.01mg/L
Llabungan Delta	<0.003	<0.003	0.01mg/L
Kokokon (Effluent)	<0.003	<0.003	0.01mg/L
Kadaklaan Creek Outlet	<0.003	<0.003	0.01mg/L



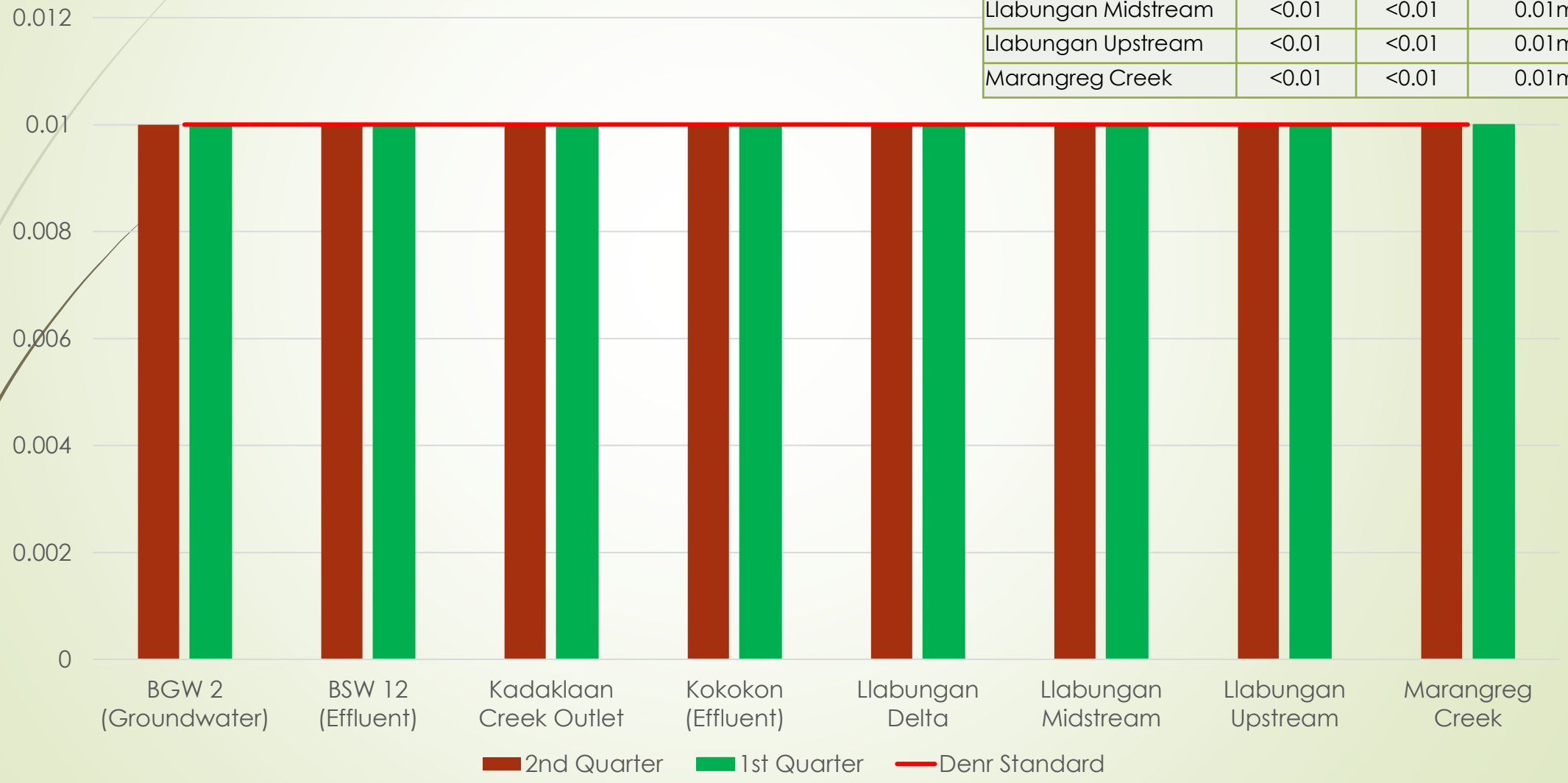
2022 Underground and Surface Water Quality Monitoring Result
Nickel

	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	0.02	0.02	0.04mg/L
BSW 12 (Effluent)	0.02	0.02	1mg/L
Kadaklaan Creek Outlet	0.02	0.02	1mg/L
Kokokon (Effluent)	0.02	0.02	1mg/L
Llabungan Delta	0.04	0.02	1mg/L
Llabungan Midstream	0.02	0.02	1mg/L
Llabungan Upstream	0.02	0.02	1mg/L
Marangreg Creek	0.02	0.02	1mg/L



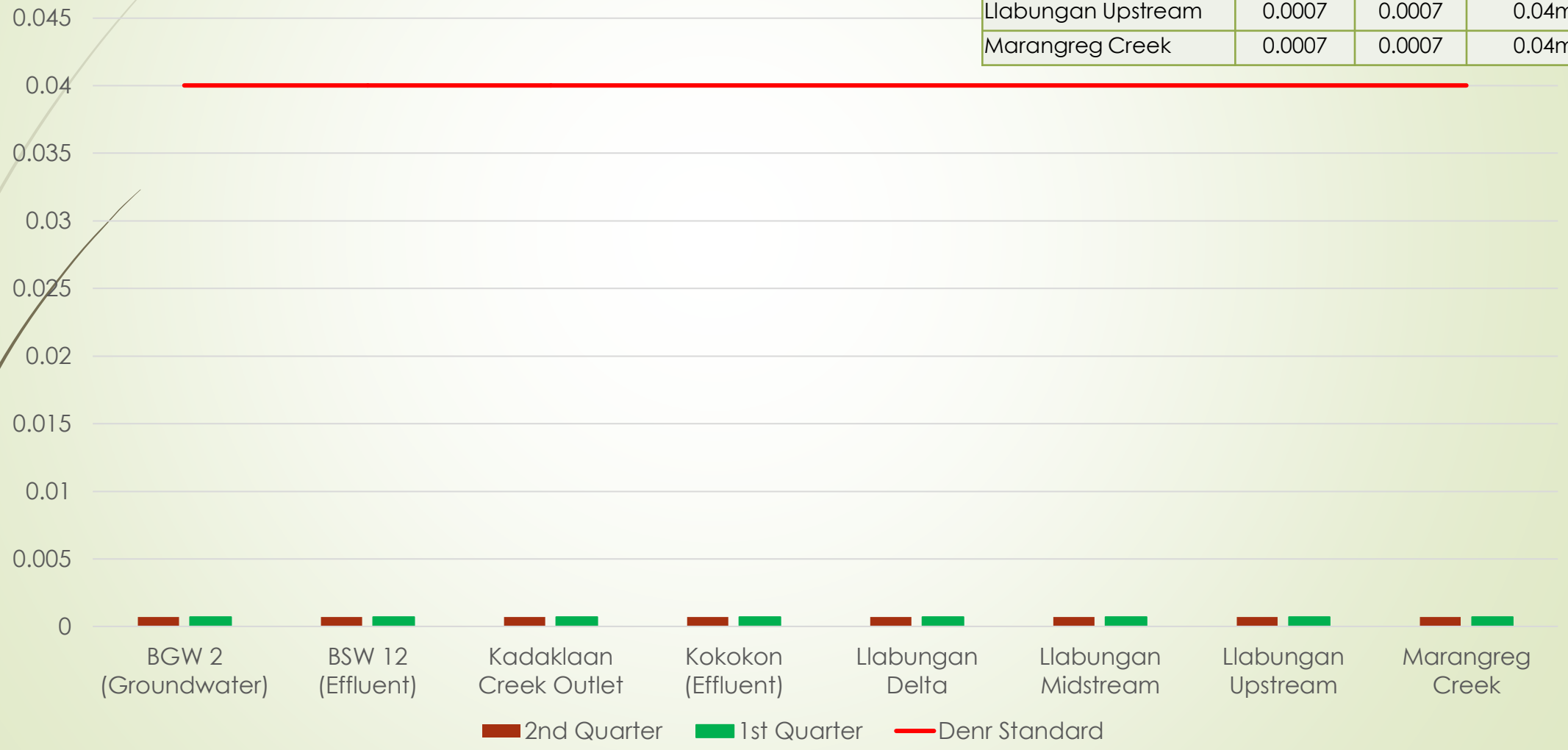
2022 Underground and Surface Water Quality Monitoring Result
Lead

	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	<0.01	<0.01	0.01mg/L
BSW 12 (Effluent)	<0.01	<0.01	0.01mg/L
Kadaklaan Creek Outlet	<0.01	<0.01	0.01mg/L
Kokokon (Effluent)	<0.01	<0.01	0.01mg/L
Llabungan Delta	<0.01	<0.01	0.01mg/L
Llabungan Midstream	<0.01	<0.01	0.01mg/L
Llabungan Upstream	<0.01	<0.01	0.01mg/L
Marangreg Creek	<0.01	<0.01	0.01mg/L

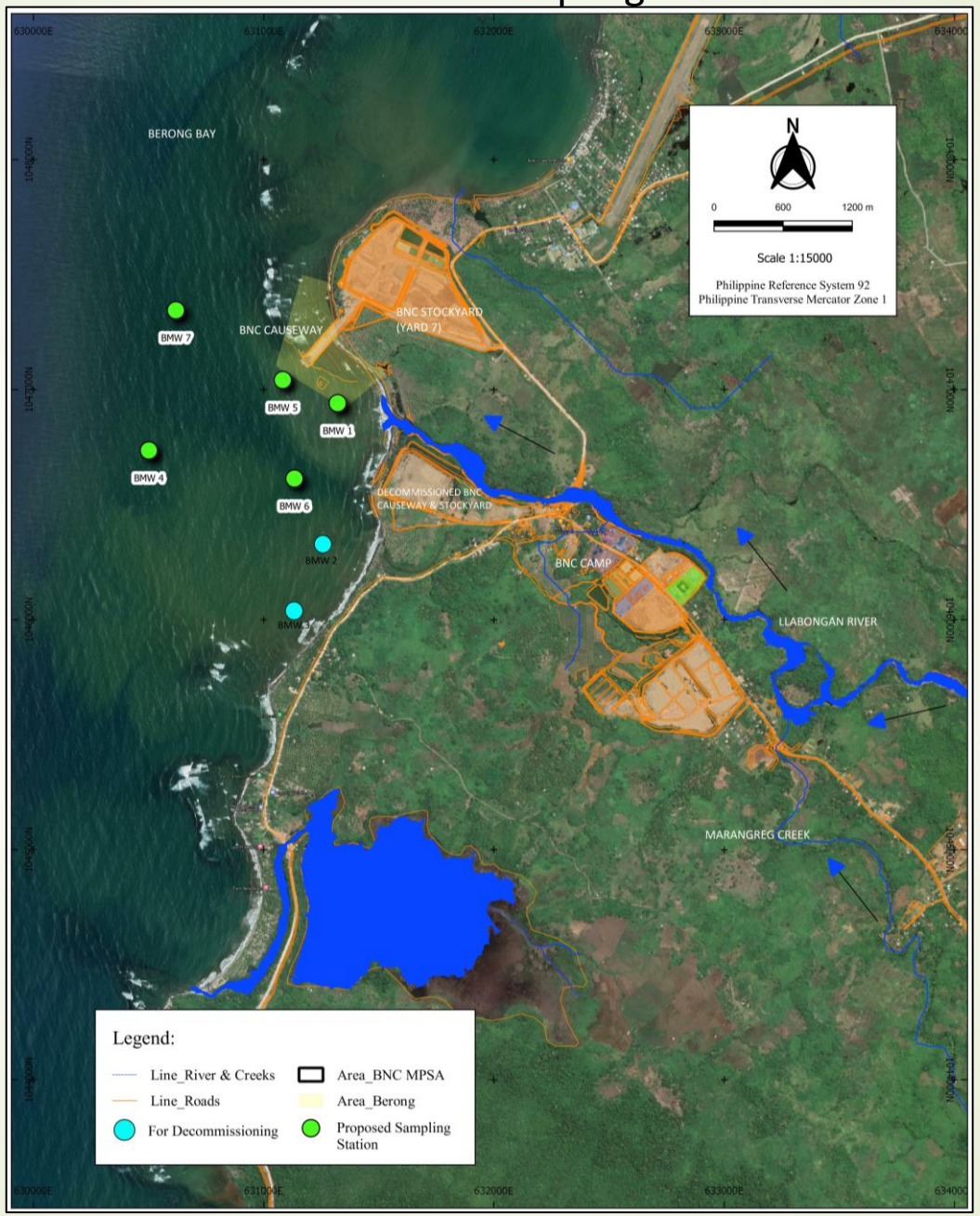


2022 Underground and Ambient Water Quality Monitoring Result
Arsenic

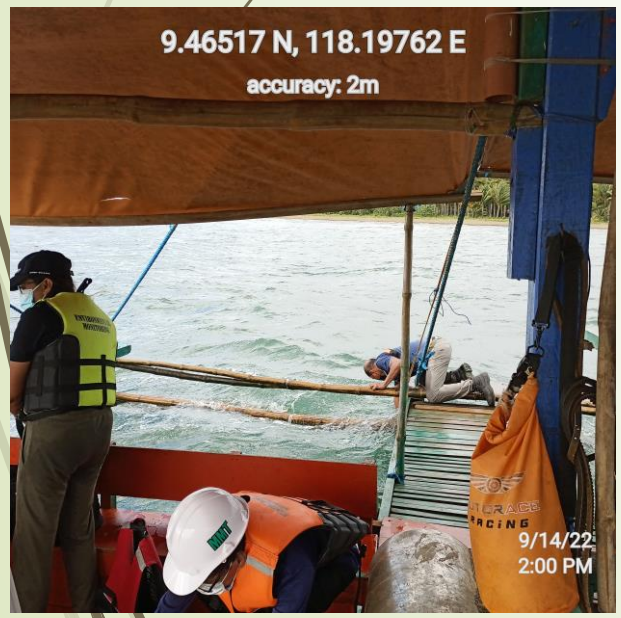
	2nd Quarter	1st Quarter	Denr Standard
BGW 2 (Groundwater)	0.0007	0.0007	0.04mg/L
BSW 12 (Effluent)	0.0007	0.0007	0.04mg/L
Kadaklaan Creek Outlet	0.0007	0.0007	0.04mg/L
Kokokon (Effluent)	0.0007	0.0007	0.04mg/L
Llabungan Delta	0.0007	0.0007	0.04mg/L
Llabungan Midstream	0.0007	0.0007	0.04mg/L
Llabungan Upstream	0.0007	0.0007	0.04mg/L
Marangreg Creek	0.0007	0.0007	0.04mg/L



Marine Water Sampling Stations

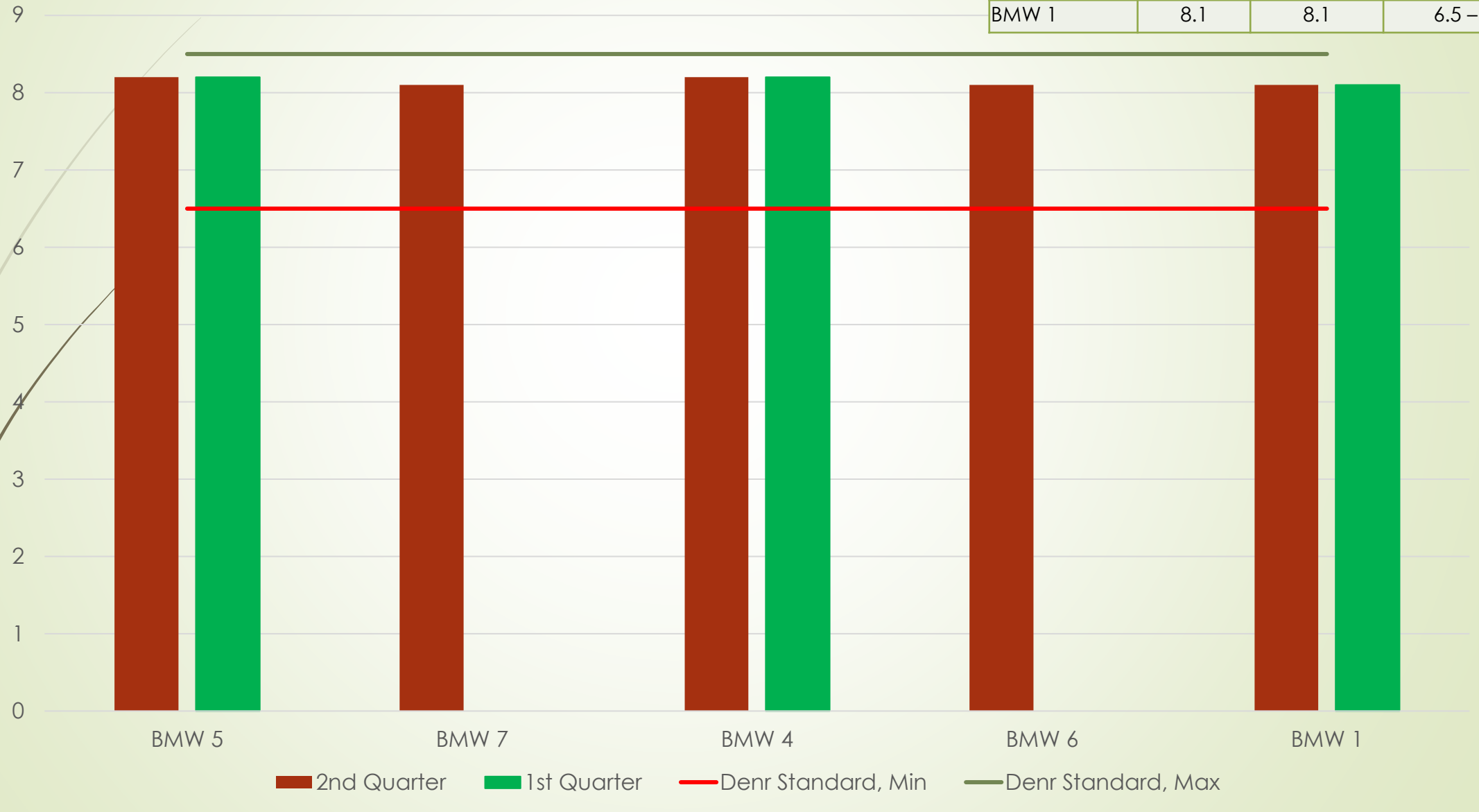


MARINE WATER SAMPLING ACTIVITY



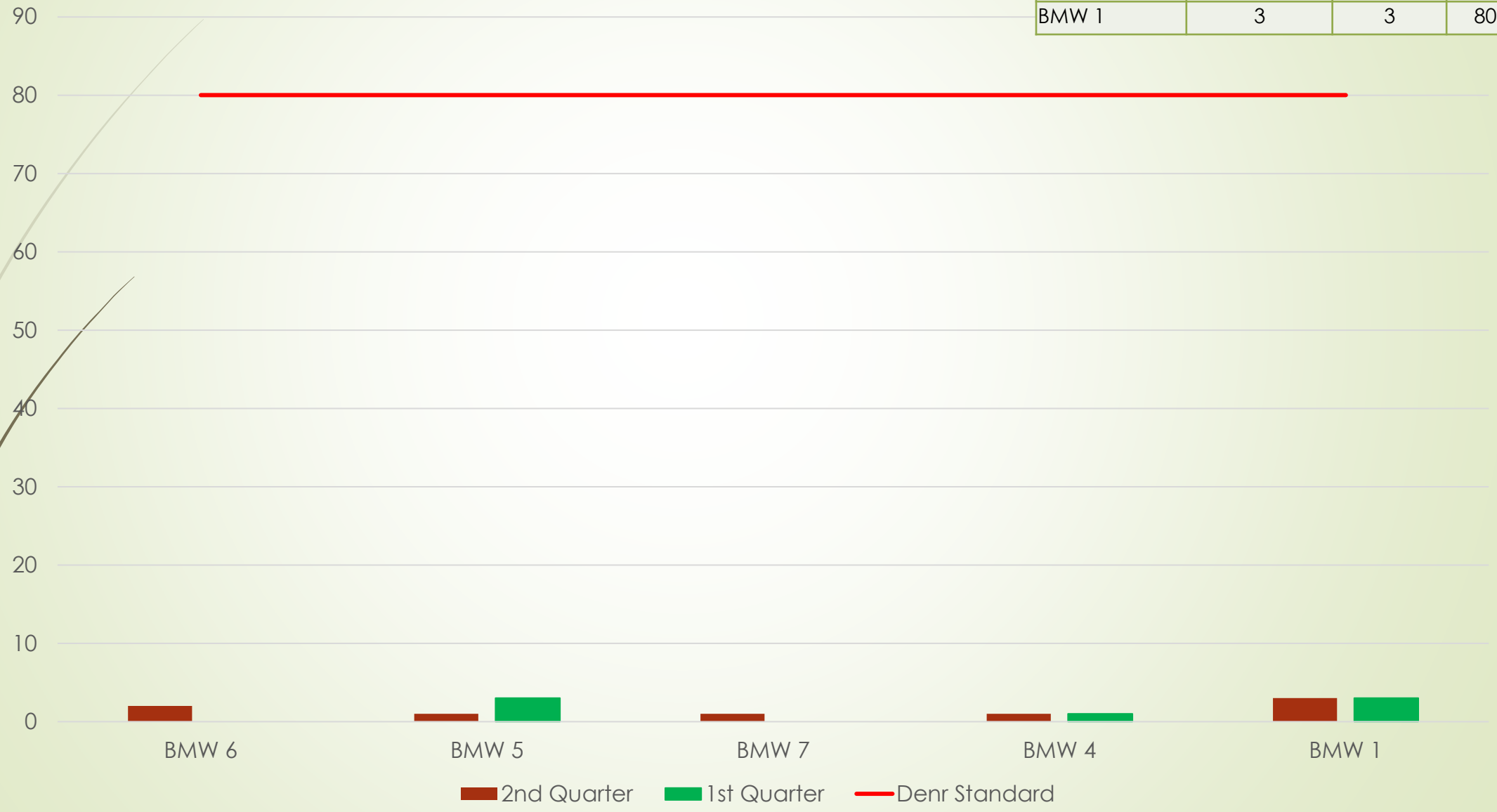
2022 Marine Water Quality Monitoring Result
pH

	2nd Quarter	1st Quarter	Denr Standard
BMW 5	8.2	8.2	6.5 – 8.5
BMW 7	8.1	-	6.5 – 8.5
BMW 4	8.2	8.2	6.5 – 8.5
BMW 6	8.1	-	6.5 – 8.5
BMW 1	8.1	8.1	6.5 – 8.5



2022 Marine Water Quality Monitoring Result
TSS

Marine	2nd Quarter	1st Quarter	Denr Standard
BMW 6	2	-	80 mg/L
BMW 5	1	3	80 mg/L
BMW 7	1	-	80 mg/L
BMW 4	1	1	80 mg/L
BMW 1	3	3	80 mg/L



2022 Marine Water Quality Monitoring Result
Cadmium

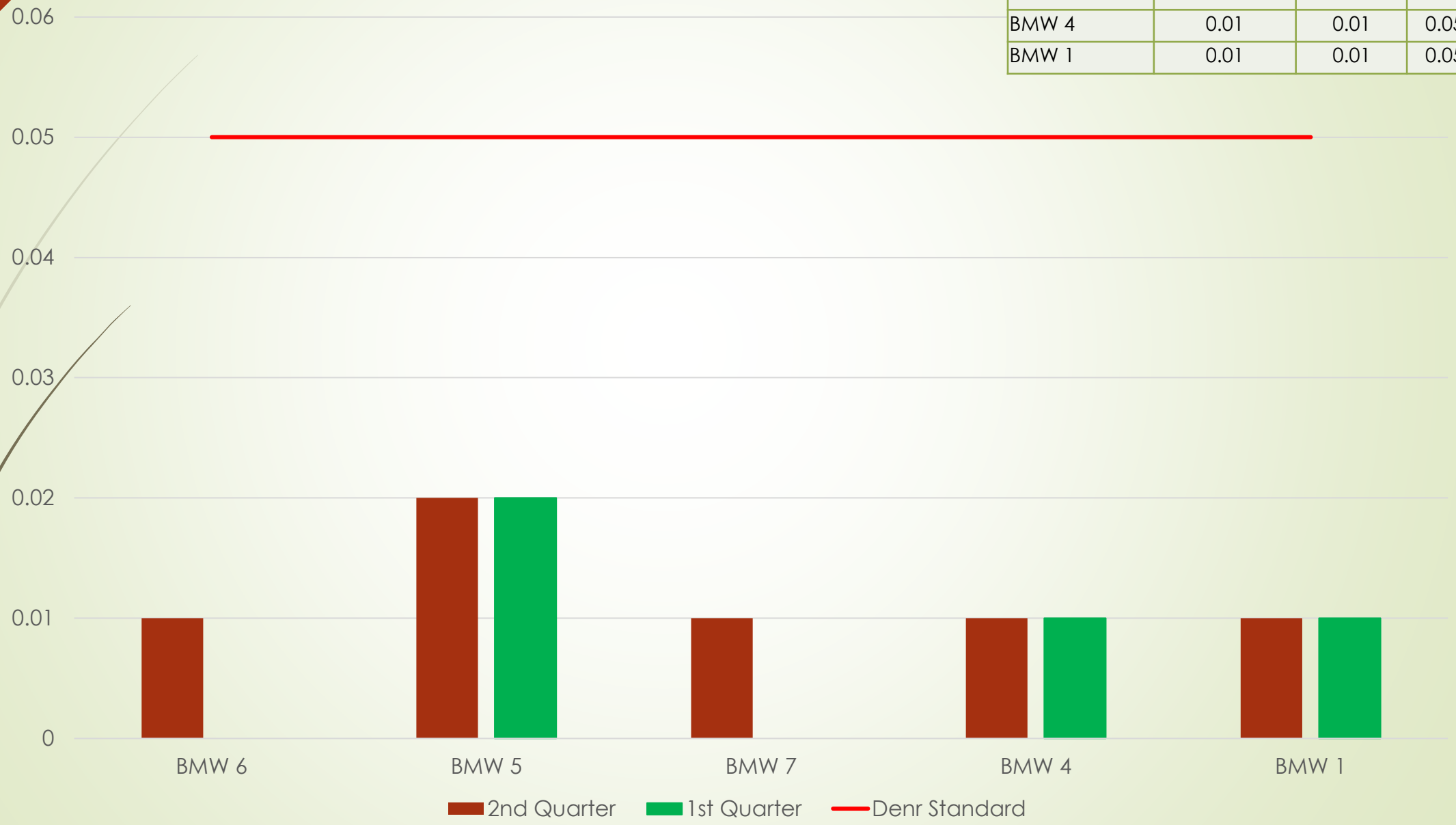
Marine	2nd Quarter	1st Quarter	Denr Standard
BMW 6	0.003	-	0.005mg/L
BMW 5	0.003	0.003	0.005mg/L
BMW 7	0.003	-	0.005mg/L
BMW 4	0.003	0.003	0.005mg/L
BMW 1	0.003	0.003	0.005mg/L

2022 Marine Water Quality Monitoring Result Nickel

Marine	2nd Quarter	1st Quarter	Denr Standard
BMW 6	0.02	-	0.06 mg/L
BMW 5	0.01	0.01	0.06mg/L
BMW 7	0.02	-	0.06mg/L
BMW 4	0.02	0.02	0.06mg/L
BMW 1	0.02	0.02	0.06mg/L

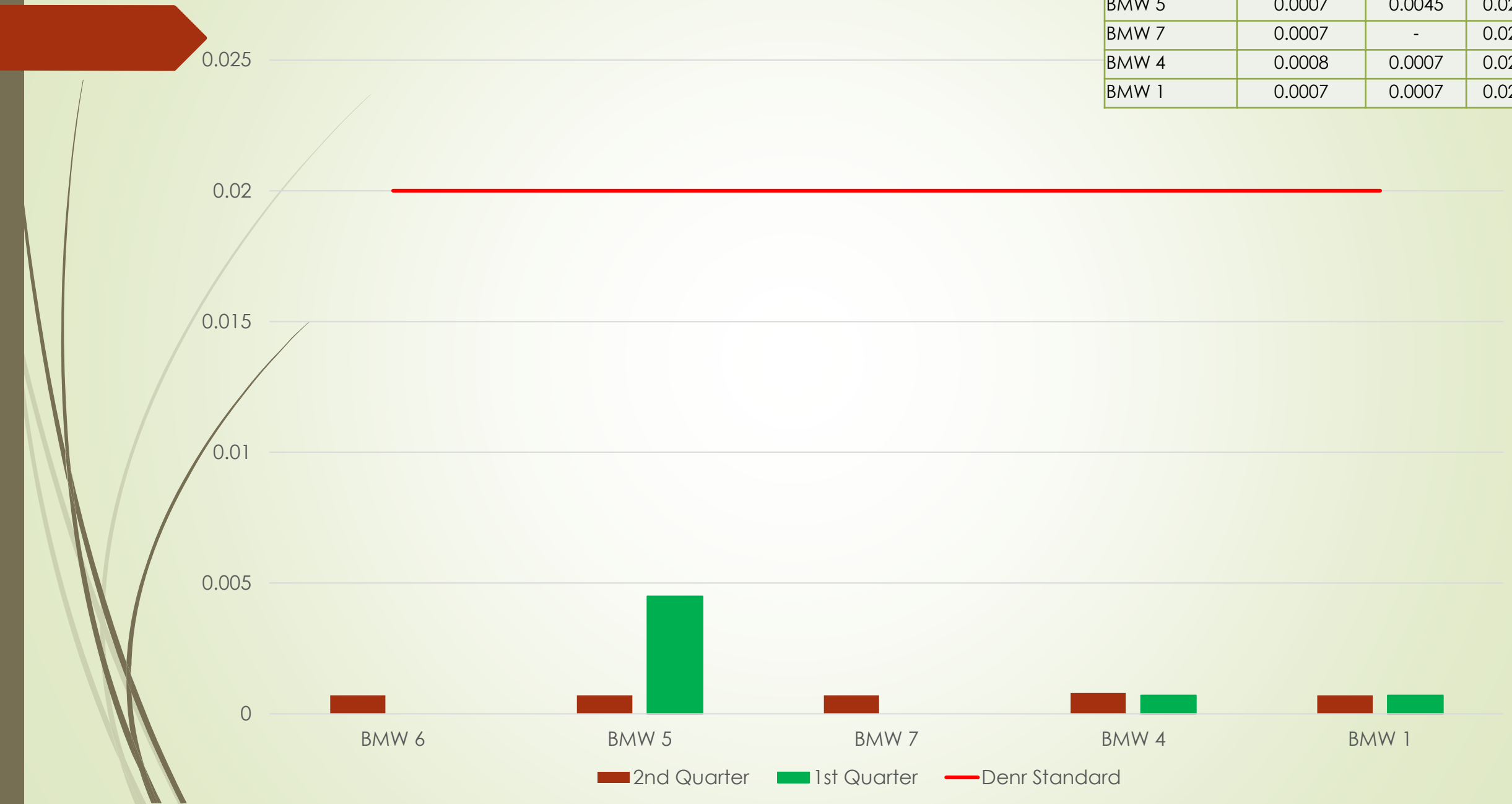
2022 Marine Water Quality Monitoring Result Lead

Marine	2nd Quarter	1st Quarter	Denr Standard
BMW 6	0.01	-	0.05 mg/L
BMW 5	0.02	0.02	0.05 mg/L
BMW 7	0.01	-	0.05 mg/L
BMW 4	0.01	0.01	0.05 mg/L
BMW 1	0.01	0.01	0.05 mg/L



2022 Marine Water Quality Monitoring Result Arsenic

Marine	2nd Quarter	1st Quarter	Denr Standard
BMW 6	0.0007	-	0.02 mg/L
BMW 5	0.0007	0.0045	0.02 mg/L
BMW 7	0.0007	-	0.02 mg/L
BMW 4	0.0008	0.0007	0.02 mg/L
BMW 1	0.0007	0.0007	0.02 mg/L



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 (Name of Firm, Individual, Owner etc.)

Brgy. Berong, Quezon Palawan (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. RIOFLORIDO
OIC, Clearance 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

OICRDABU0011062

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.

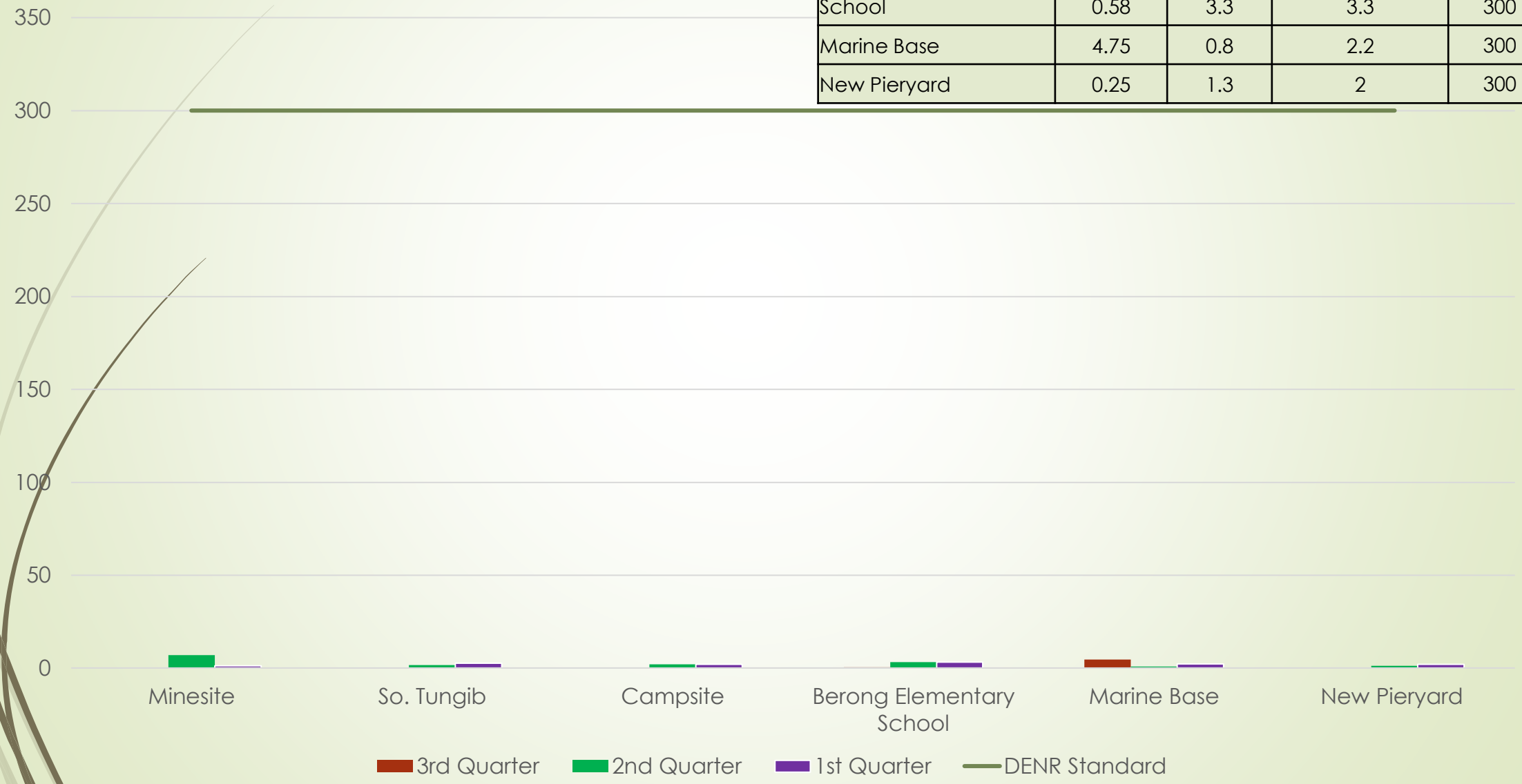
This operating Permit shall be posted in a conspicuous location near the equipment and shall be adequately framed or otherwise protected against damage. Application for the renewal of Permit to Operate must be filed thirty (30) days before the expiration date.

O.R. No.	Fee		Date
5150149	Permit Fee	45,000.00	10/23/2017
5150149	Filing Fee	600.00	10/23/2017
5150308	Legal Research Fee	20.00	10/23/2017

Generator Sets

2022 Air Quality Monitoring Result

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Minesite	0	7	1.3	300 µG/Ncm
So. Tungib	0.25	1.7	2.6	300 µG/Ncm
Campsite	0.16	2.1	2.1	300 µG/Ncm
Berong Elementary School	0.58	3.3	3.3	300 µG/Ncm
Marine Base	4.75	0.8	2.2	300 µG/Ncm
New Pieryard	0.25	1.3	2	300 µG/Ncm



AIR SAMPLING ACTIVITY

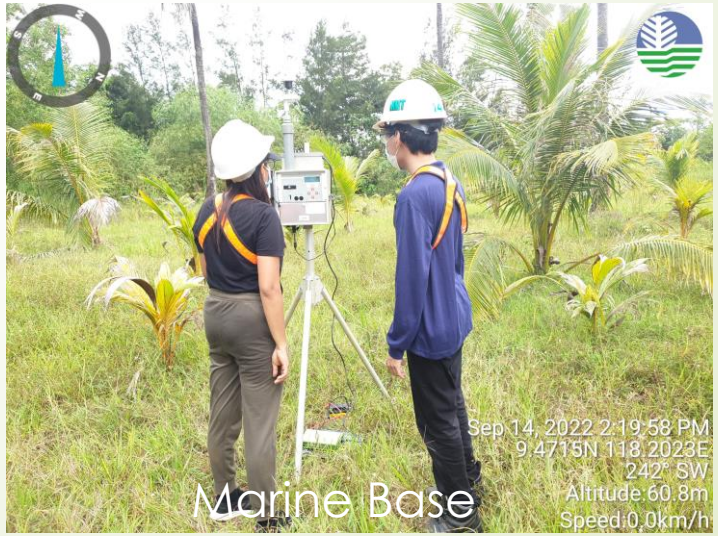
EQUIPMENT	MET ONE E-SAMPLER
PARAMETER	PM10

Minesite

So. Tungib

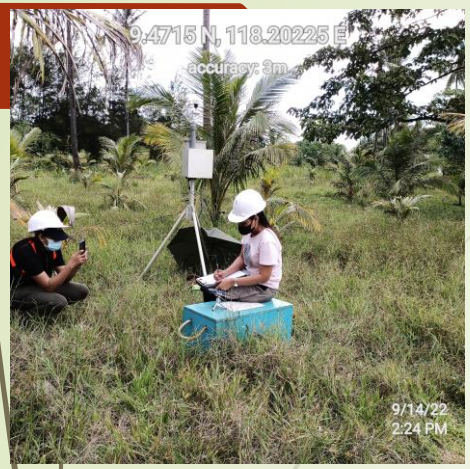
Campsite

Berong Elementary School



Marine Base

NOISE SAMPLING ACTIVITY



Mine site

Berong Elementary School

Old Causeway

New Pier Yard 7

3rd 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)	15-Sep-22	8:20-8:35 AM	Morning	D	70	30.9	55.5	43.0	PASSED
AQ 2	Sitio Tungib (2 km North of mine pit)	14-Sep-22	7:40-7:55 AM	Morning	A	55	41.0	54.5	45.8	PASSED
AQ 3	BNC Camp (adjacent to ore stockyard area)	14-Sep-22	10:30-10:45 AM	Daytime	A	55	42.0	59.4	46.6	PASSED
AQ 4	Berong Elementary School	15-Sep-22	12:35-12:50 PM	Daytime	AA	50	40.8	57.3	49.0	PASSED
AQ 5	Old Causeway/Jetty Area	16-Sep-22	1:25-1:40 PM	Daytime	D	75	60.5	66.5	62.5	PASSED
AQ 6	New Pier/Yard 7	14-Sep-22	2:25-2:40 PM	Daytime	D	75	41.9	58.6	46.8	PASSED

Black font -within standard
Red font -failed

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

FINDINGS AND OBSERVATIONS

1. BNC has declared its end of mine life on December 31, 2021. The project was under Care and Maintenance from January to May 2022 wherein the Company laid off personnel and maintains a core group per department. Maintenance of the nursery and Campsite were conducted during that period

2. BNC is currently implementing the Final Mine Rehabilitation and Decommissioning Plan (FMRDP) which includes activities like bench correction, topsoil re-soiling, coco net installation, and mine-wide tree planting since 01 June 2022

3. That out of a total MPSA of 288 hectares, 169 hectares have been utilized, prior to the implementation of FMRDP activities, the Company have rehabilitated a total area of 66 hectares. Hence, the remaining mined out areas to be restored is 103 hectares with an approved fund of P110,909,970.00 for six (6) years implementation. Henceforth, the Company targeted 34.0 hectares for its first-year implementation with its respective fund of P35,618,930.00 and as of this date, out of 34 hectares, they already planted 6-hectares.

4. BNC has donated 15,093 seedlings to private individuals within and outside the impact area and in different entities both private and government offices within the province of Palawan.

5. BNC adopted seven (7) sites for the Adopt-A-Mangrove Forest project located in Puerto Princesa City, Sofronio Espanola, and Brgys. Tabon, Panitian, Isugod, Aramaywan and Berong in Quezon, Palawan with a total area of ninety-five (95) hectares and a total of 977,330 propagules planted and around 97% survival rate;

FINDINGS AND OBSERVATIONS

6. No Ore hauling was conducted since January 2022; last shipment was in May 2022;

7. A clean-up activity was conducted in celebration of the Month of the Ocean in So. Tagbolante, Brgy. Berong, Quezon, Palawan and in Yard 7;

8. A total of one hundred sixty-one (161) Pawikan (Sea Turtle) hatchings were released in April and again in June 2022 in the coast of Sitio Tagbolante, Brgy. Berong;

9. At present, there are nine (9) septic tanks for the exclusive use of the employees which are required to secure a Discharge Permit per EMB MC 2020-006.

10. There are four (4) fuel storage tanks each with a capacity of 18,000 liters in their fuel farm. The fuel tanks were not covered with Permit to Operate;

11. The twenty-seven (27) giant clams which are used as bio-indicator situated within the causeway were found to be missing, which is said to be poached by locals, accordingly.

12. There are ridges along the haul roads, specifically, Km 9.3, 7.6 and 14.2 that are exposed or bared.

13. Currently, two (2) generator sets are utilized as power source of electricity. The rest are brought to Semirara for disposal.

FINDINGS AND OBSERVATIONS

14. It has been observed that the planted giant bamboo within the on-going rehabilitation areas has low percentage of survival and deemed feeble which may not be suited to the soil/weather conditions.

15. The company is commended for the proper sloping, land preparation and usage of coco-net on rehabilitation.

RECOMMENDATIONS

1. **The proponent is advised to secure an application Discharge Permit for the septic tanks as per EMB Memorandum Circular 2020-006 followed by the release of PCO accreditation certificate and to materialize the pending application for EMB permits.**

2. **The proponent is advised to install signages in every sampling stations even prior to the conduct of the water sampling for easy documentation of the sampling team .**

3. **Secure a Permit to Operate for the four (4) fuel storage tanks each with a capacity of 18,000 liters in the fuel farm one year prior to this inspection.**

4. **Installation of appropriate signages for the Residual Containment Area (RCA) and *apitan* as suggested by CENRO Kaluya.**

5. **The proponent is advised to notify EMB Regional Office regarding the disposal of the generator sets. Moreover, the company may consider the use of renewable energy to reduce carbon footprint.**

THANK YOU!