2nd Quarter MMT CMDC Validation

3rd Quarter Air and Water Sampling

September 5 - 9, 2022

PULOT NICKEL MINING PROJECT

Brgy. Punang/Pulot Interior/Labog, Sofronio Espa Palawan

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

PHO: Nelson C. Virgo

LGU : Jessie Galang
: Daniel Boston

CMDC Representatives: Nalma A. Asmad and company

ECC Condition No. 6 : " The proponent shall comply with all the provisions of the following :

- R.A 9003 (Ecological Solid Waste Management Act of 2000)
- RA 9275 (Philippine Clean Water Act of 2004)
- RA 8749 (Philippine Clean Air Act of 1999)
- RA 6969 (Toxic Substancees 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 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

Chemical Storage Area

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 Facility in compliance to DAO 2013-22

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

Construction of new Hazardous Waste Storage Area

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

2. Water Resources and Quality

2.4 Hazardous Waste Management

Weekly monitoring of Hazwaste storage area

Inventory of Hazwaste as of August 2022:
Used Oil- 12 drums
Batteries- 0pcs
Used Filters- 8 drums
Contaminated Special Waste : 7 drums

MINE ENVIRONMENTAL PROTECTION AND ENHANCEMENT OFFICE
POLLUTION CONTROL OFFICE

Inventory of Hazwaste as of August 2022:

Used Oil- 12 drums
Batteries- 0pcs
Used Filters- 8 drums
Contaminated Special Waste : 7 drums

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

Oil and Water Separator

Special Waste Compartment in RCA

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

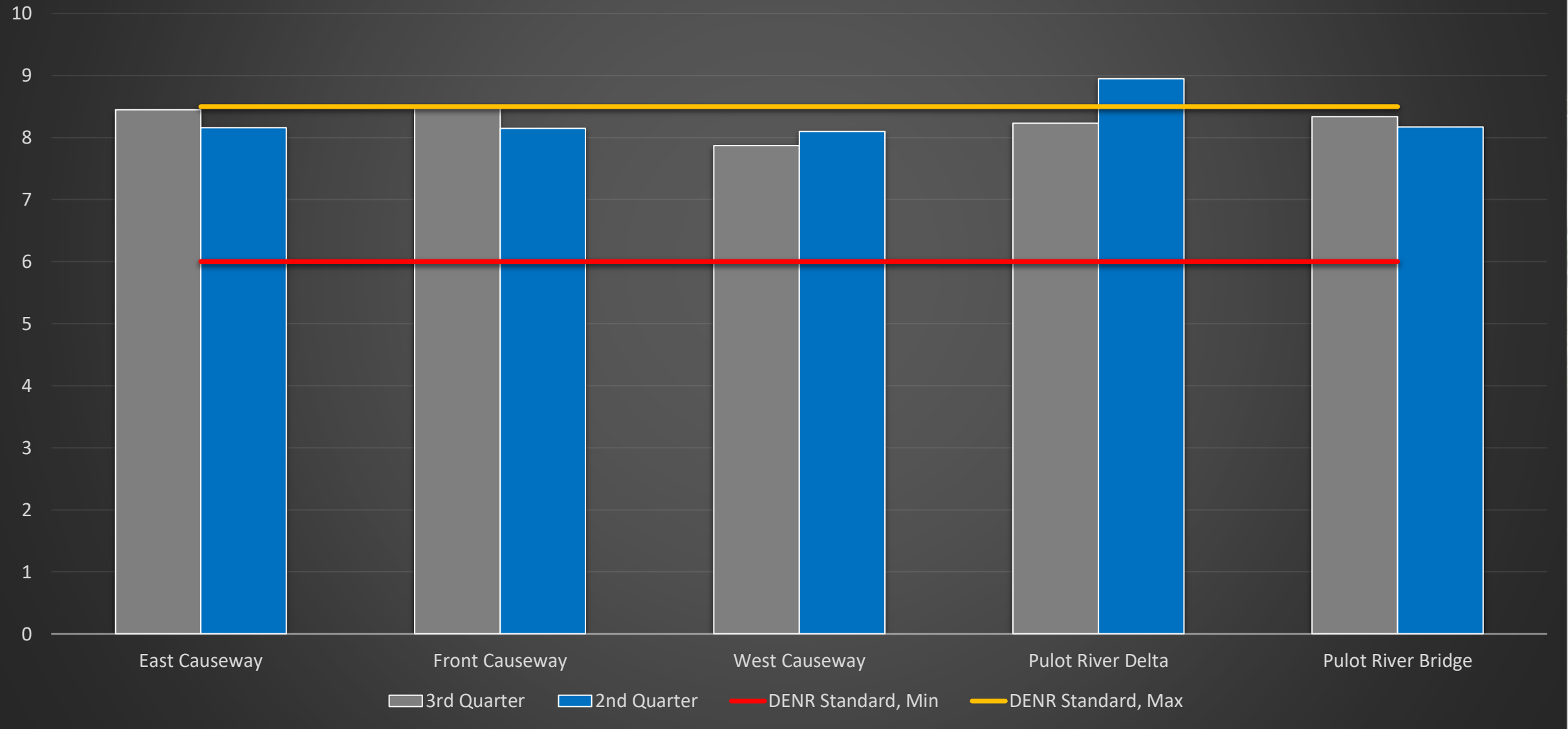
Waste Bins around the Campus

Materials Recovery Facility

Residual Containment Area

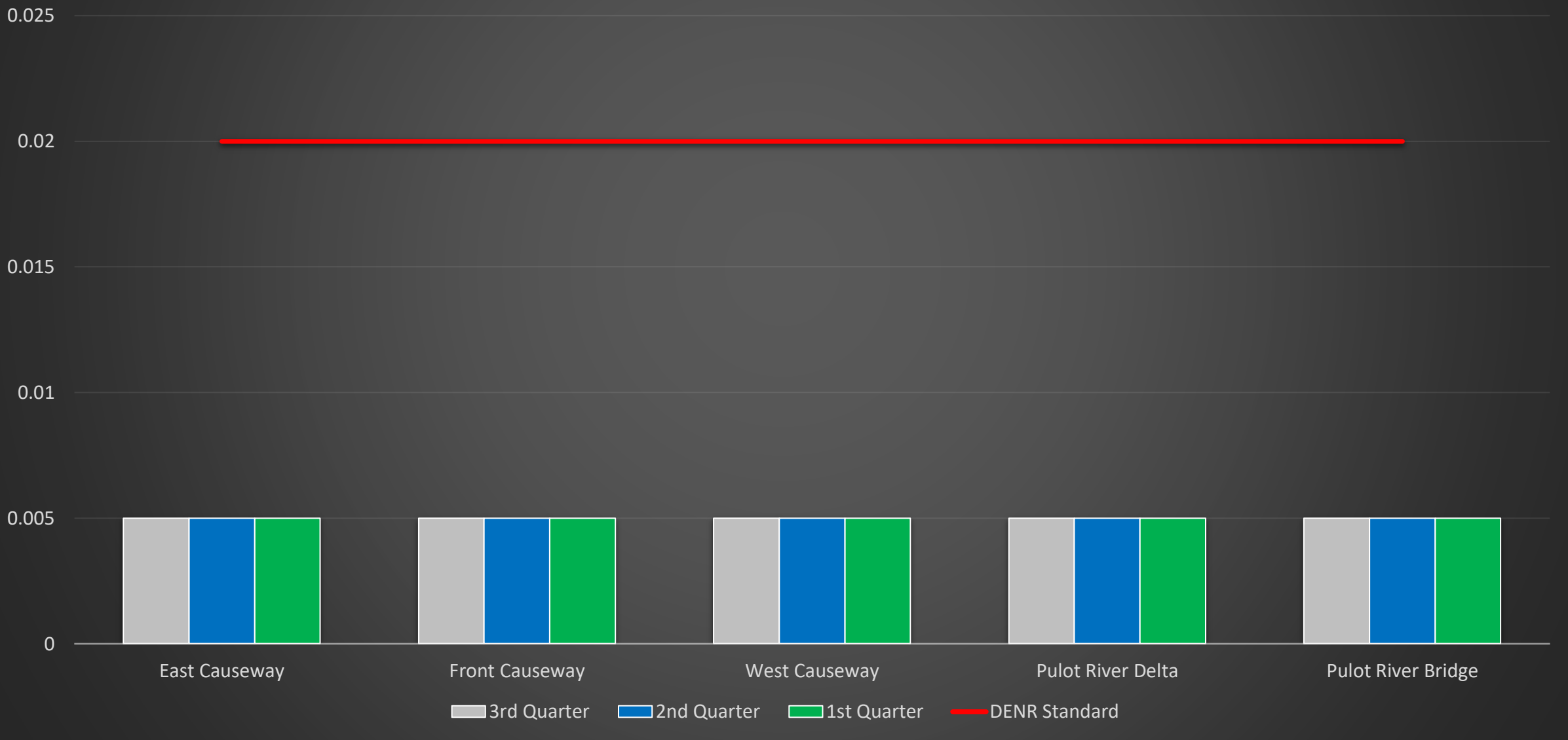
Marine Sampling Stations
WATER SAMPLING
pH

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	8.45	8.16	6.5 - 8.5
Front Causeway	8.49	8.15	6.5 - 8.5
West Causeway	7.87	8.1	6.5 - 8.5
Pulot River Delta	8.23	8.95	6.5 - 8.5
Pulot River Bridge	8.34	8.17	6.5 - 8.5



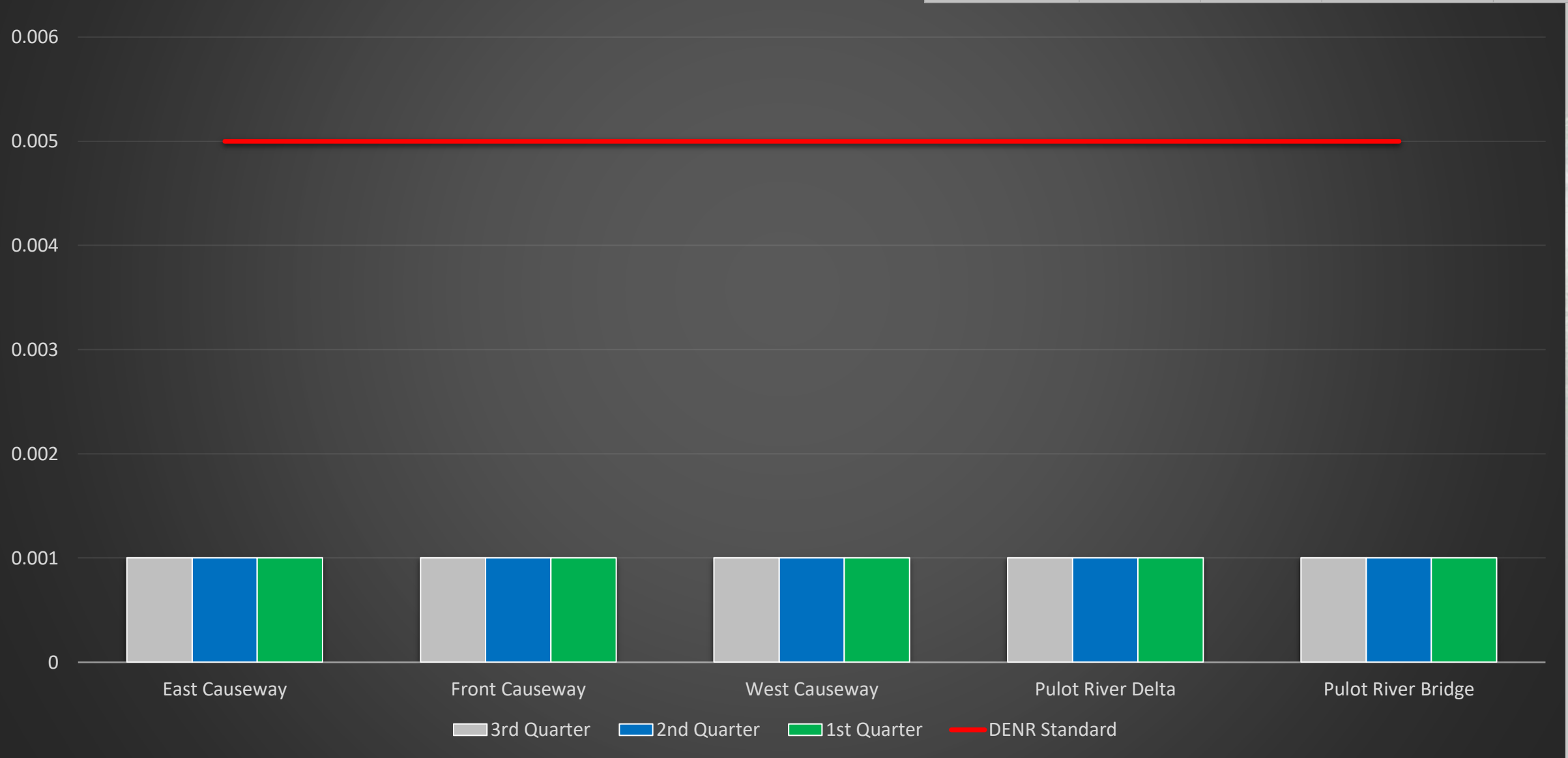
Marine Sampling Stations
WATER SAMPLING
Arsenic

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	0.005	0.005	0.005	0.02 mg/L
Front Causeway	0.005	0.005	0.005	0.02 mg/L
West Causeway	0.005	0.005	0.005	0.02 mg/L
Pulot River Delta	0.005	0.005	0.005	0.02 mg/L
Pulot River Bridge	0.005	0.005	0.005	0.02 mg/L



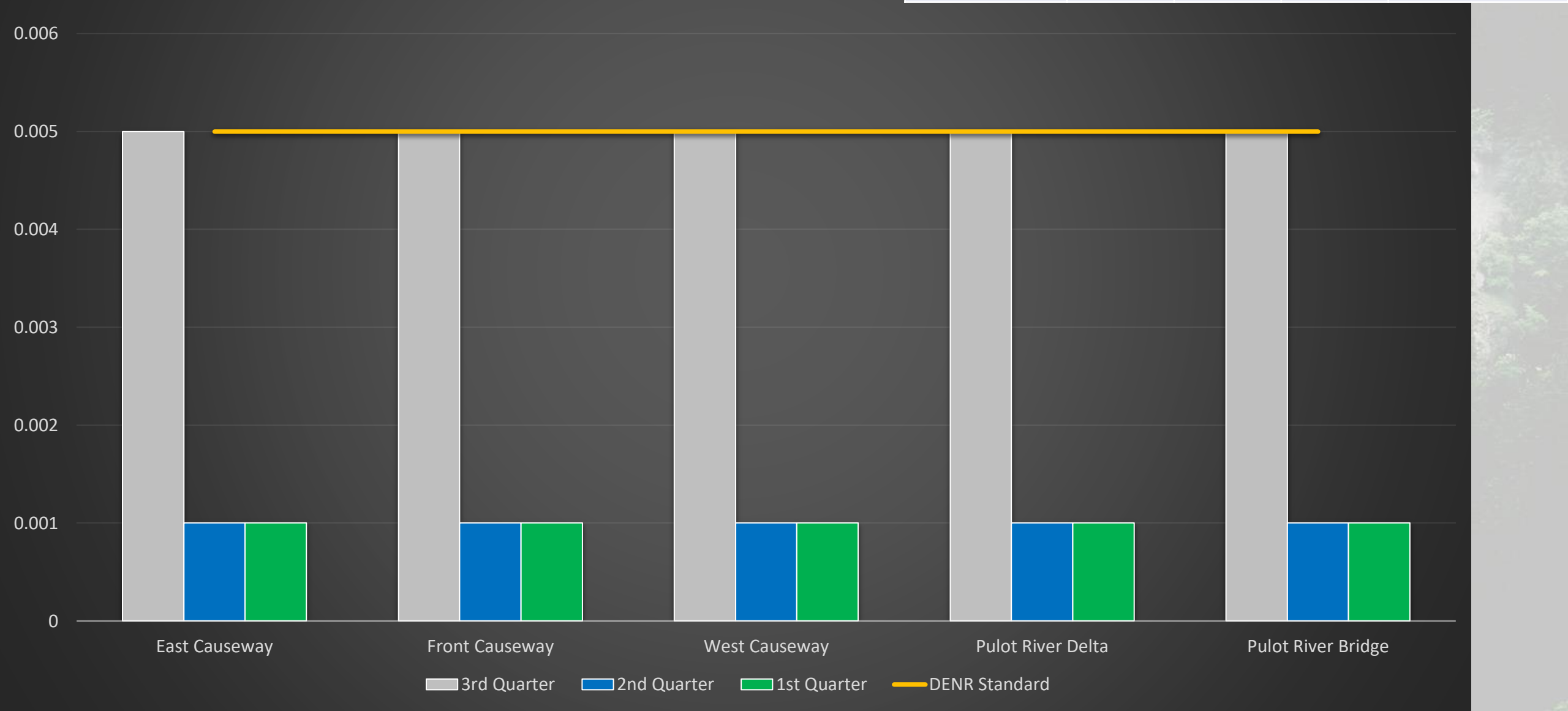
Marine Sampling Stations
WATER SAMPLING
Cadmium

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	0.001	0.001	0.001	0.005 mg/L
Front Causeway	0.001	0.001	0.001	0.005 mg/L
West Causeway	0.001	0.001	0.001	0.005 mg/L
Pulot River Delta	0.001	0.001	0.001	0.005 mg/L
Pulot River Bridge	0.001	0.001	0.001	0.005 mg/L



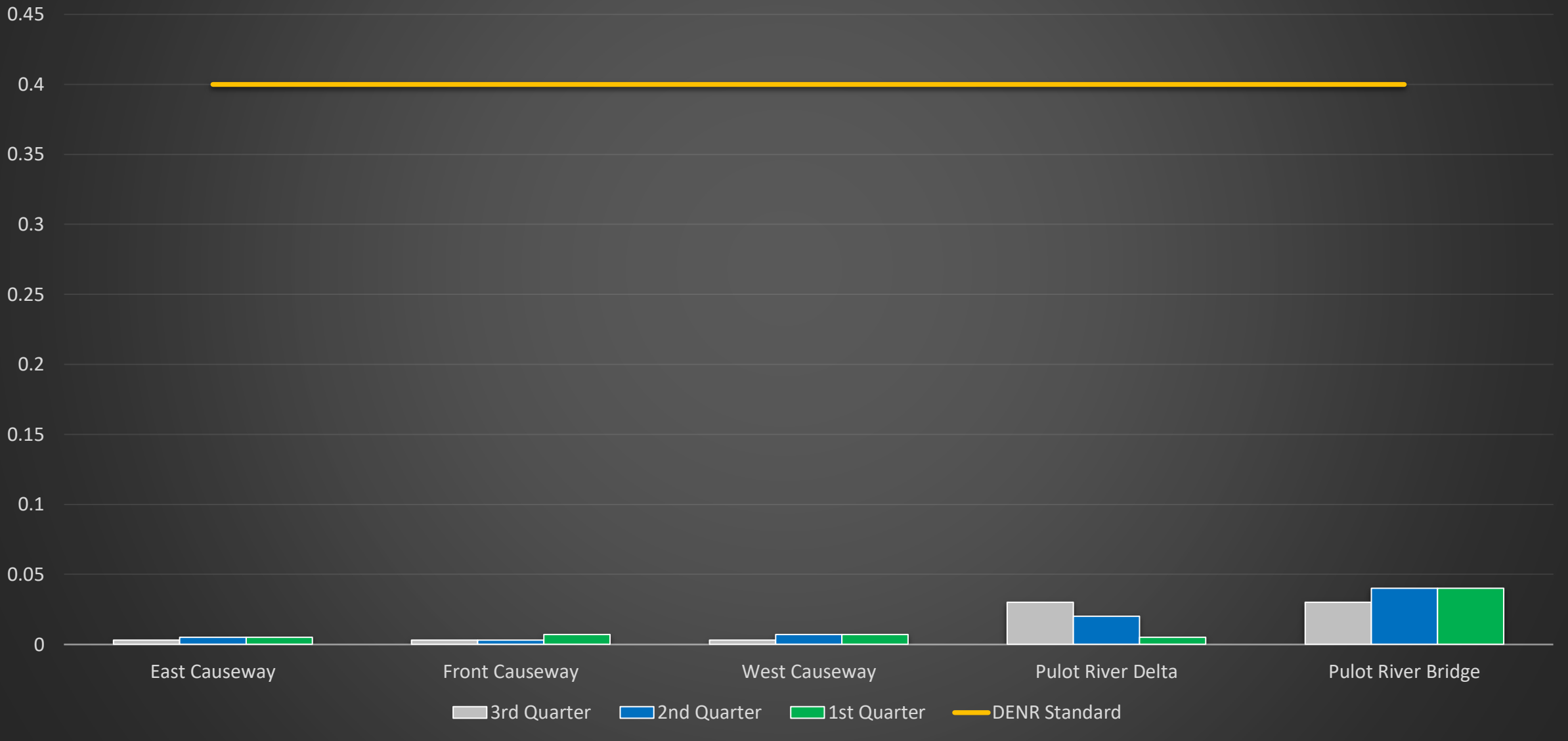
Marine Sampling Stations
WATER SAMPLING
Lead

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	0.005	0.001	0.001	0.05 mg/L
Front Causeway	0.005	0.001	0.001	0.05 mg/L
West Causeway	0.005	0.001	0.001	0.05 mg/L
Pulot River Delta	0.005	0.001	0.001	0.05 mg/L
Pulot River Bridge	0.005	0.001	0.001	0.05 mg/L



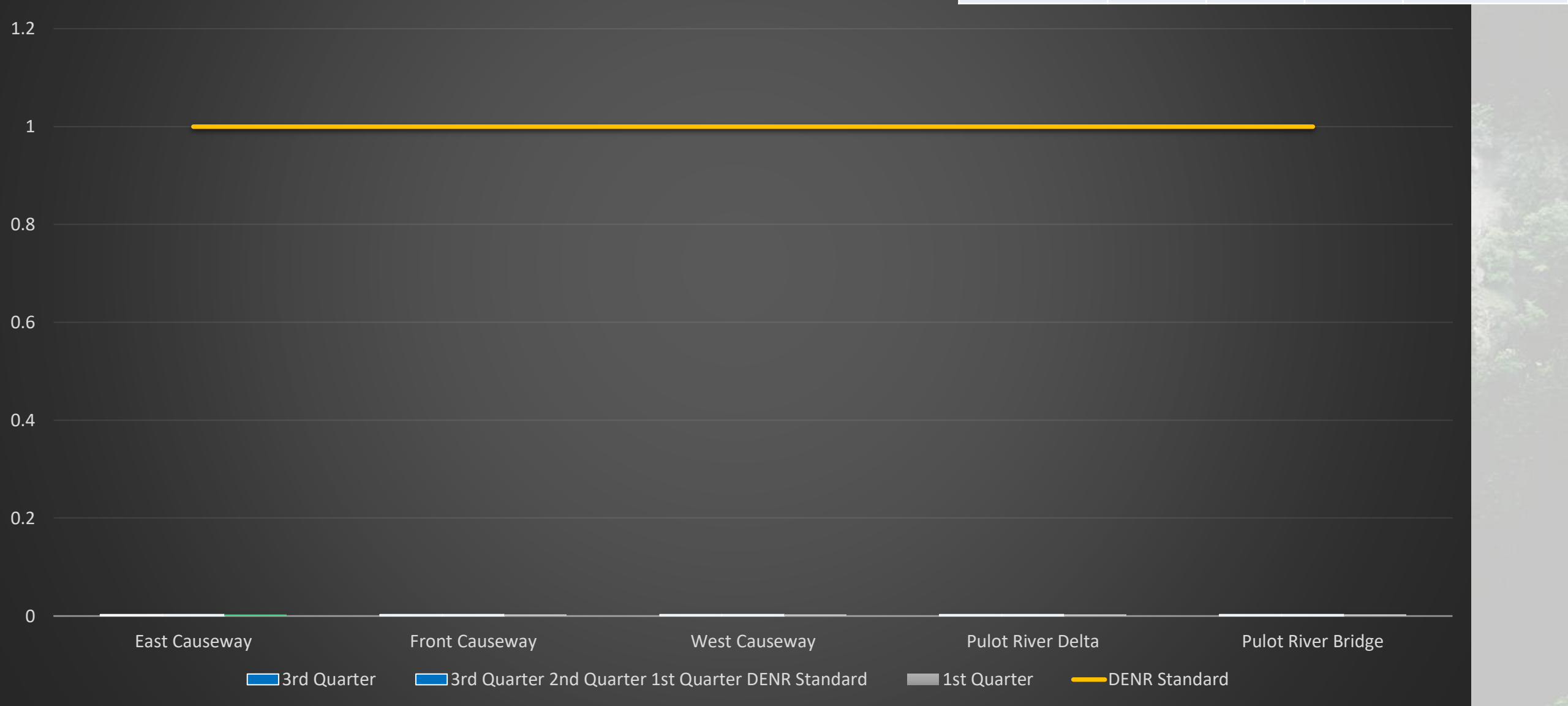
Marine Sampling Stations
WATER SAMPLING
Manganese

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	0.003	0.005	0.005	0.4 mg/L
Front Causeway	0.003	0.003	0.007	0.4 mg/L
West Causeway	0.003	0.007	0.007	0.4 mg/L
Pulot River Delta	0.03	0.02	0.005	0.4 mg/L
Pulot River Bridge	0.03	0.04	0.04	0.4 mg/L



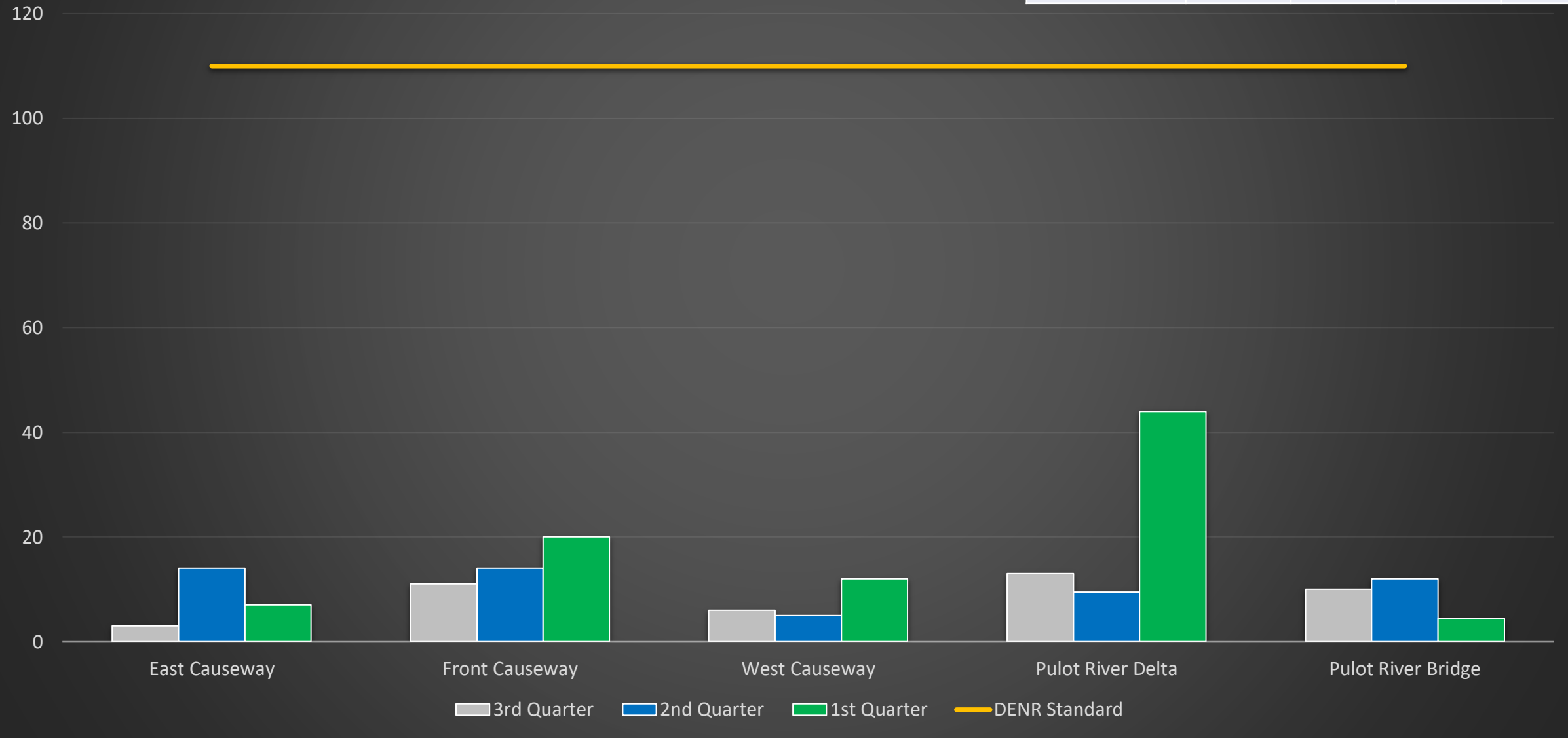
Marine Sampling Stations
WATER SAMPLING
Nickel

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	0.003	0.003	0.003	1 mg/L
Front Causeway	0.003	0.003	0.003	1 mg/L
West Causeway	0.003	0.003	0.003	1 mg/L
Pulot River Delta	0.003	0.003	0.003	1 mg/L
Pulot River Bridge	0.003	0.003	0.003	1 mg/L

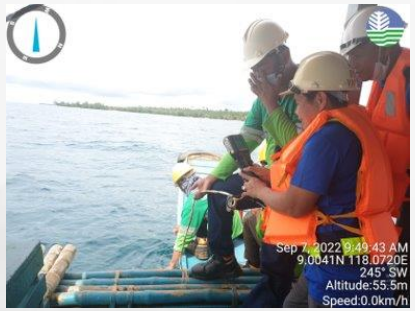


Marine Sampling Stations
WATER SAMPLING
TSS

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
East Causeway	3	14	7	110 mg/L
Front Causeway	11	14	20	110 mg/L
West Causeway	6	5	12	110 mg/L
Pulot River Delta	13	9.5	44	110 mg/L
Pulot River Bridge	10	12	4.5	110 mg/L



Water Sampling Activity



Citinickel Mines
AND DEVELOPMENT CORPORATION

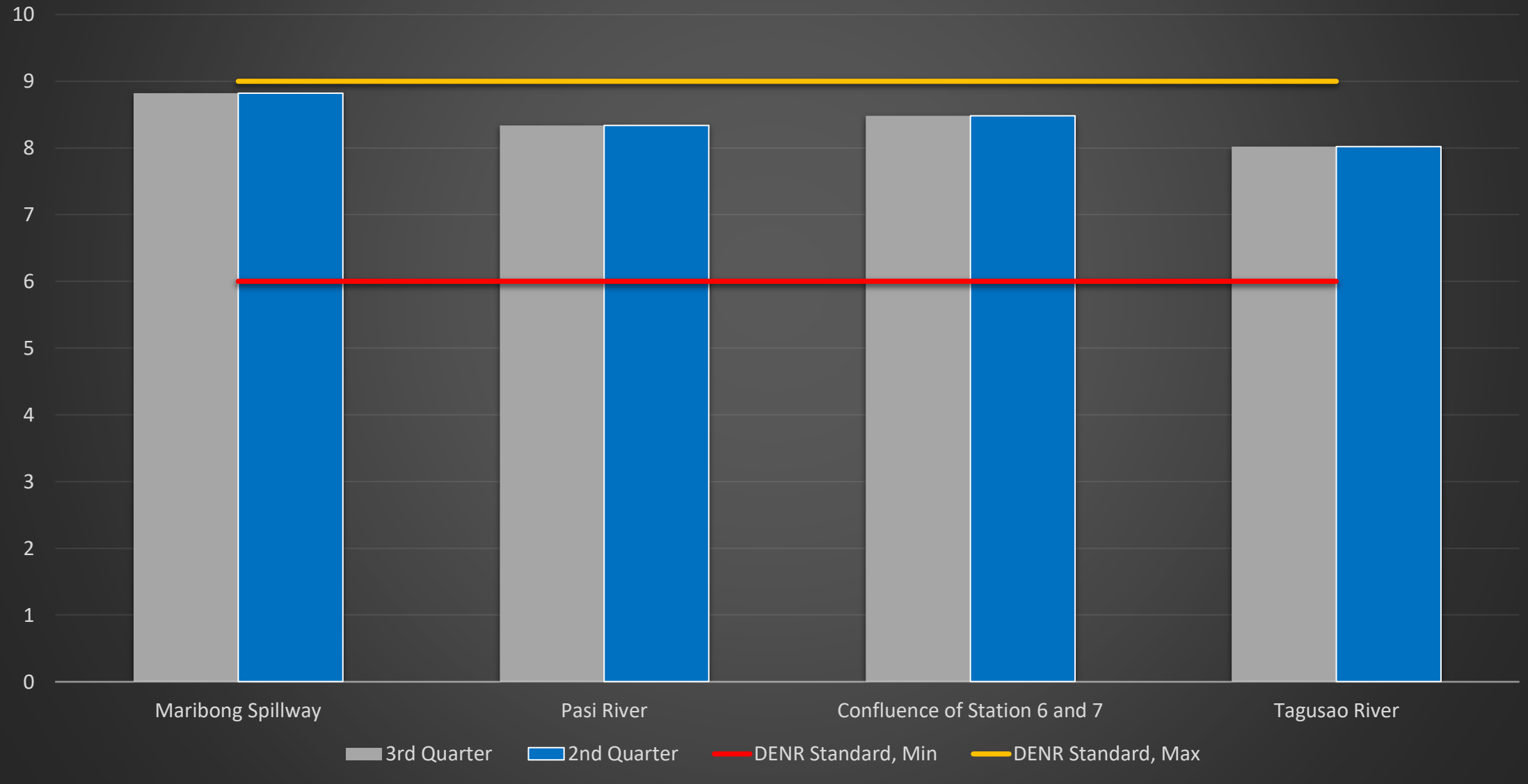
3rd Quarter CMDC-PNMP MMT MONITORING
FIELD DATA SHEET WATER QUALITY MONITORING FORM

NAME OF PROPONENT : CITINICKEL MINES AND DEVELOPMENT CORPORATION
LOCATION : SOFRONIO ESPAÑOLA, PALAWAN
DATE OF SAMPLE COLLECTION : 7 September 2022

PARAMETERS	MONITORING STATIONS					
Station Identification	Station 1- East of Causeway	Station 2-Front of Causeway	Station 3-West of Causeway	Station 4-Pulot River Delta	Station 5- Pulot River Bridge	Station 6- Maribong Spillway
Coordinates	9°00'30.4" N 118°04'20.1" E	9°00'23" N 118°4'19" E	9° 0'27.94"N 118° 4'11.53"E	8°55'58.95"N 118° 1'30.83"E	8°55'46.35"N 118° 0'43.52"E	9° 3'57.81"N 117°57'1.47"E
Time	9:55 AM	10:00 AM	10:03 AM	11:04 AM	11:25 AM	12:06 PM
Weather Condition	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Water Appearance	Clear	Clear	Clear	Cloudy	Clear	Clear
Other Observation	High wave energy situation (monsoon)	High wave energy situation (monsoon)	High wave energy situation (monsoon)	High wave energy situation (monsoon)	There are people washing their clothes within the vicinity	Normal condition
	ON SITE MEASUREMENTS					
Temperature, °C	28.87	28.97	28.54	27.17	27.22	28.17
pH	8.45	8.49	7.87	8.23	8.34	8.82
ORP, mv	169	157	148	144	147	170
Conductivity, mS/cm	47.5	30.8	6.36	6.41	0.284	0.371
Turbidity, NTU	0.0	3.0	12.8	3.5	4.0	1.3
DO, mg/L	7.37	8.61	9.77	12.46	8.07	9.73
TDS, g/L	29.0	18.01	2.35	4.02	0.185	0.241
Salinity, ppt	30.9	19.2	3.6	3.5	0.1	0.2
SW specific gravity, σt	19.2	10.4	0.0	0.0	0.0	0.0
Preservation Done	2mL Nitric Acid					
Container Type	Plastic					
Sampling Methods	Grab	Grab	Grab	Grab	Grab	Grab
Analysis Requested	Total Suspended Solid (TSS), Manganese (Mn), Arsenic (As), Cadmium (Cd), Lead (Pb) & Nickel(Ni)					

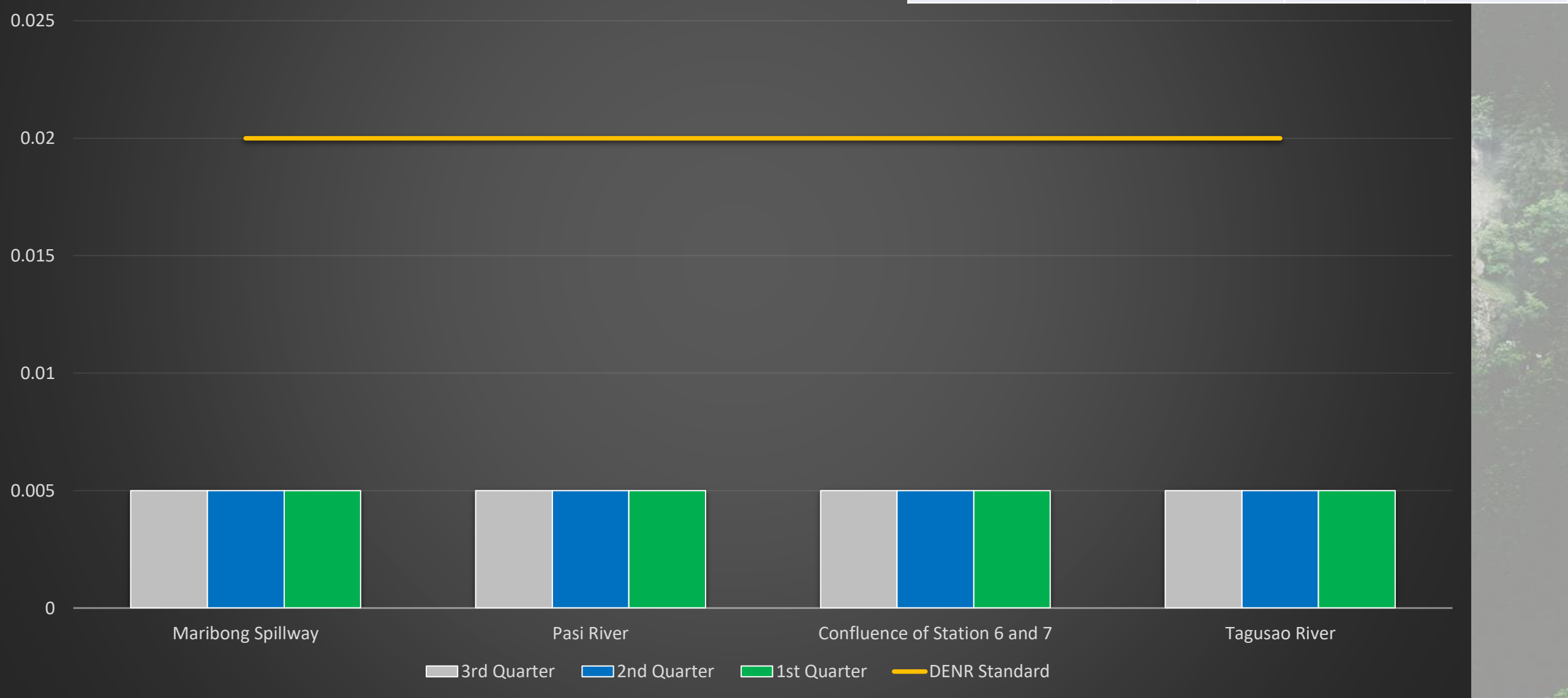
Ambient Sampling Stations
WATER SAMPLING
pH

	3rd Quarter	2nd Quarter	DENR Standard, Min
Maribong Spillway	8.82	8.82	6 -9
Pasi River	8.34	8.34	6 -9
Confluence of Station 6 and 7	8.48	8.48	6 -9
Tagusao River	8.02	8.02	6 -9



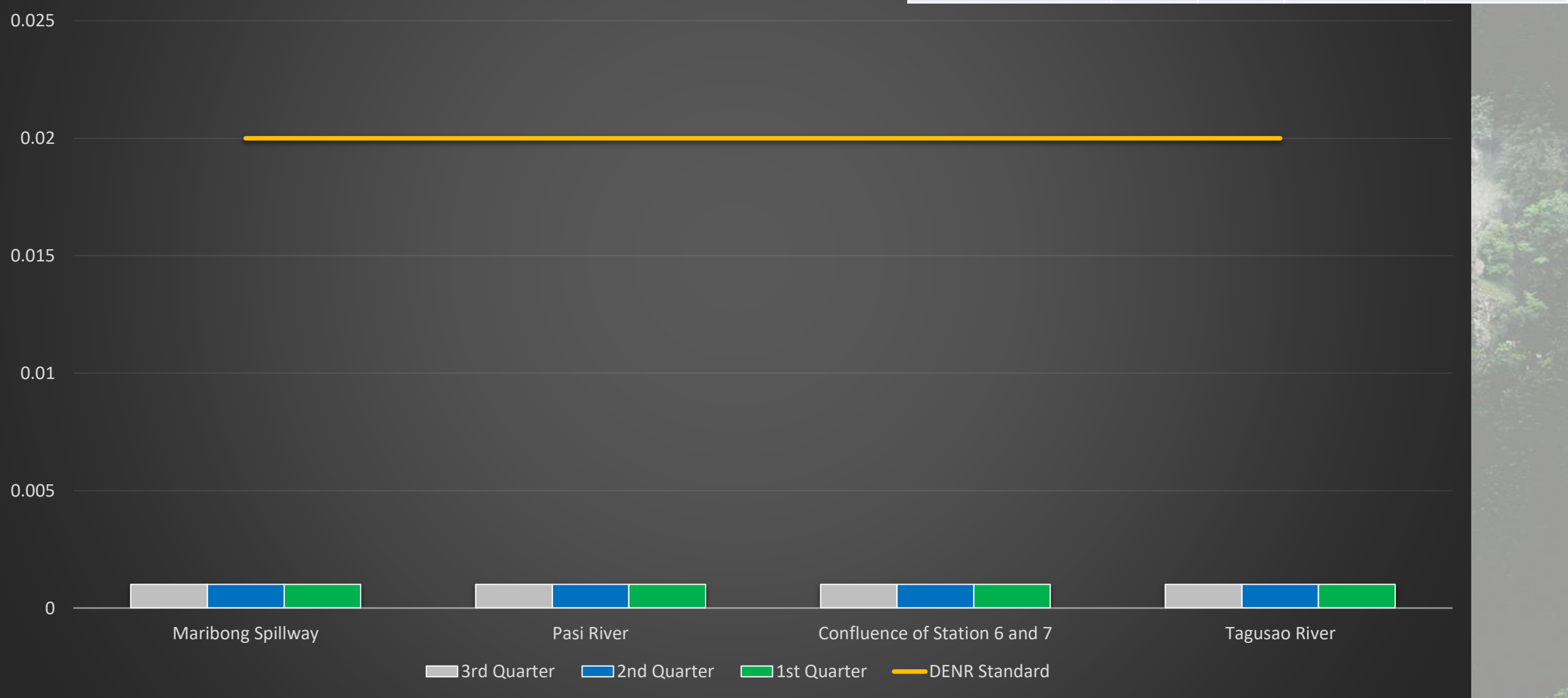
Ambient Sampling Stations
WATER SAMPLING
Arsenic

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	0.005	0.005	0.005	0.02 mg/L
Pasi River	0.005	0.005	0.005	0.02 mg/L
Confluence of Station 6 and 7	0.005	0.005	0.005	0.02 mg/L
Tagusao River	0.005	0.005	0.005	0.02 mg/L



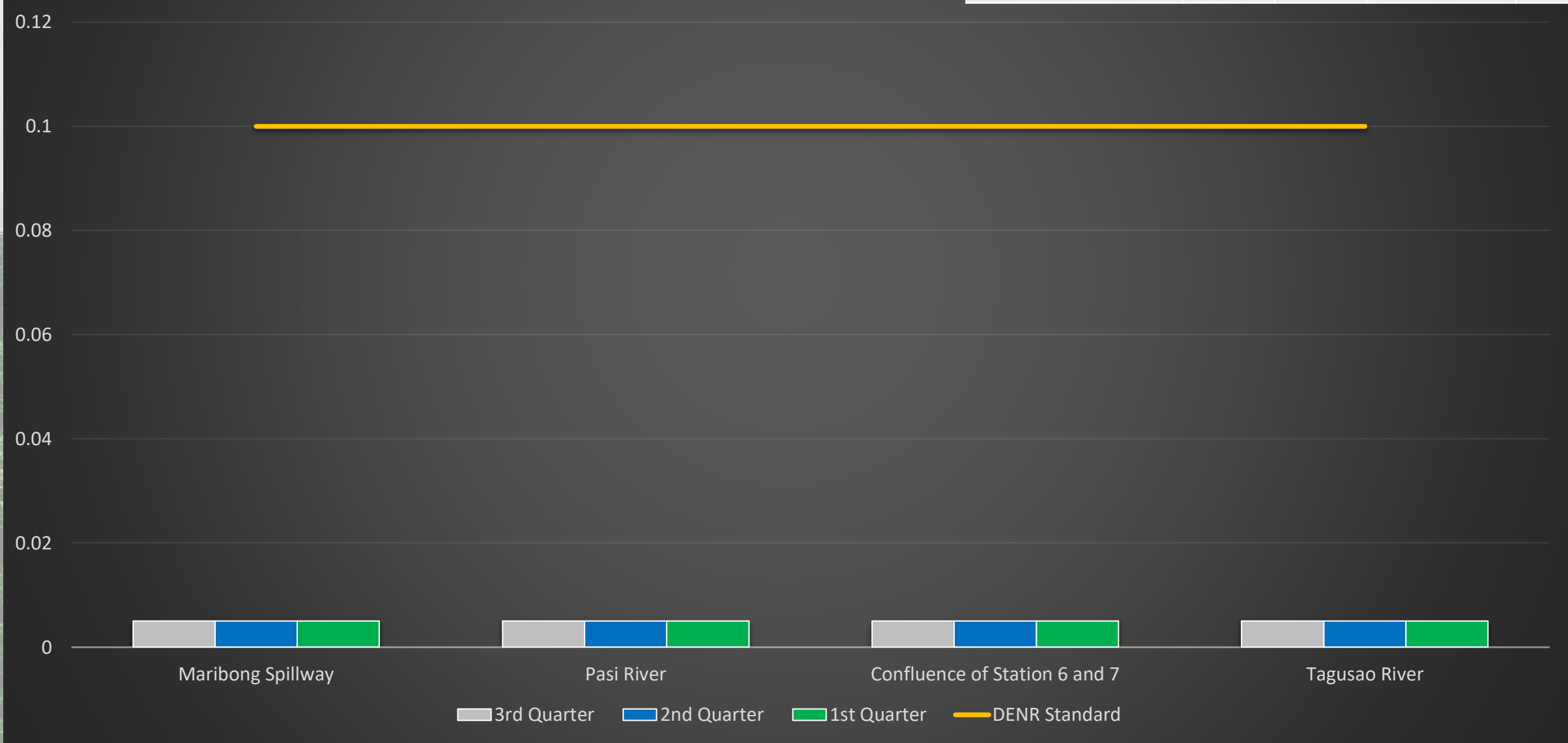
Ambient Sampling Stations
WATER SAMPLING
Cadmium

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	0.001	0.001	0.001	0.02 mg/L
Pasi River	0.001	0.001	0.001	0.02 mg/L
Confluence of Station 6 and 7	0.001	0.001	0.001	0.02 mg/L
Tagusao River	0.001	0.001	0.001	0.02 mg/L



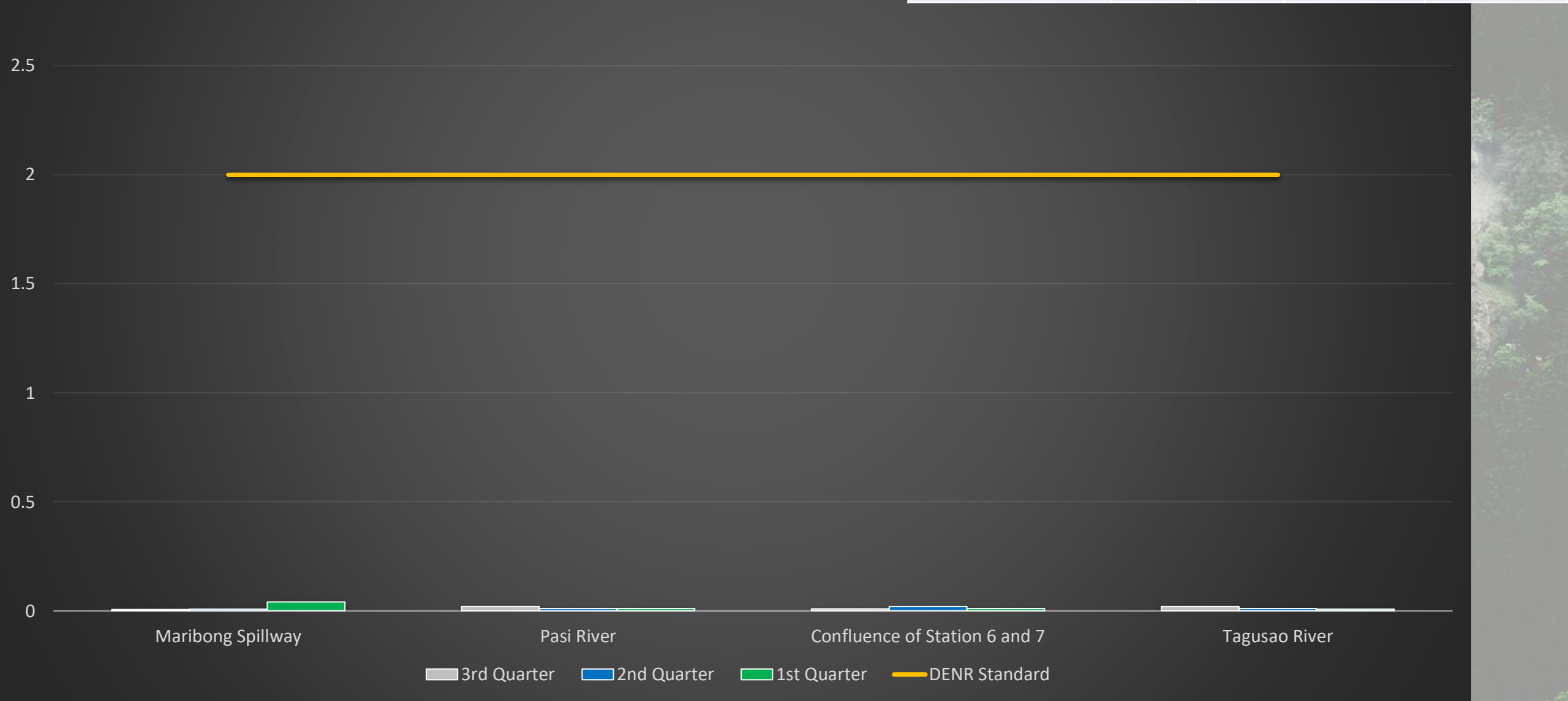
Ambient Sampling Stations
WATER SAMPLING
Lead

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	0.005	0.005	0.005	0.1 mg/L
Pasi River	0.005	0.005	0.005	0.1 mg/L
Confluence of Station 6 and 7	0.005	0.005	0.005	0.1 mg/L
Tagusao River	0.005	0.005	0.005	0.1 mg/L



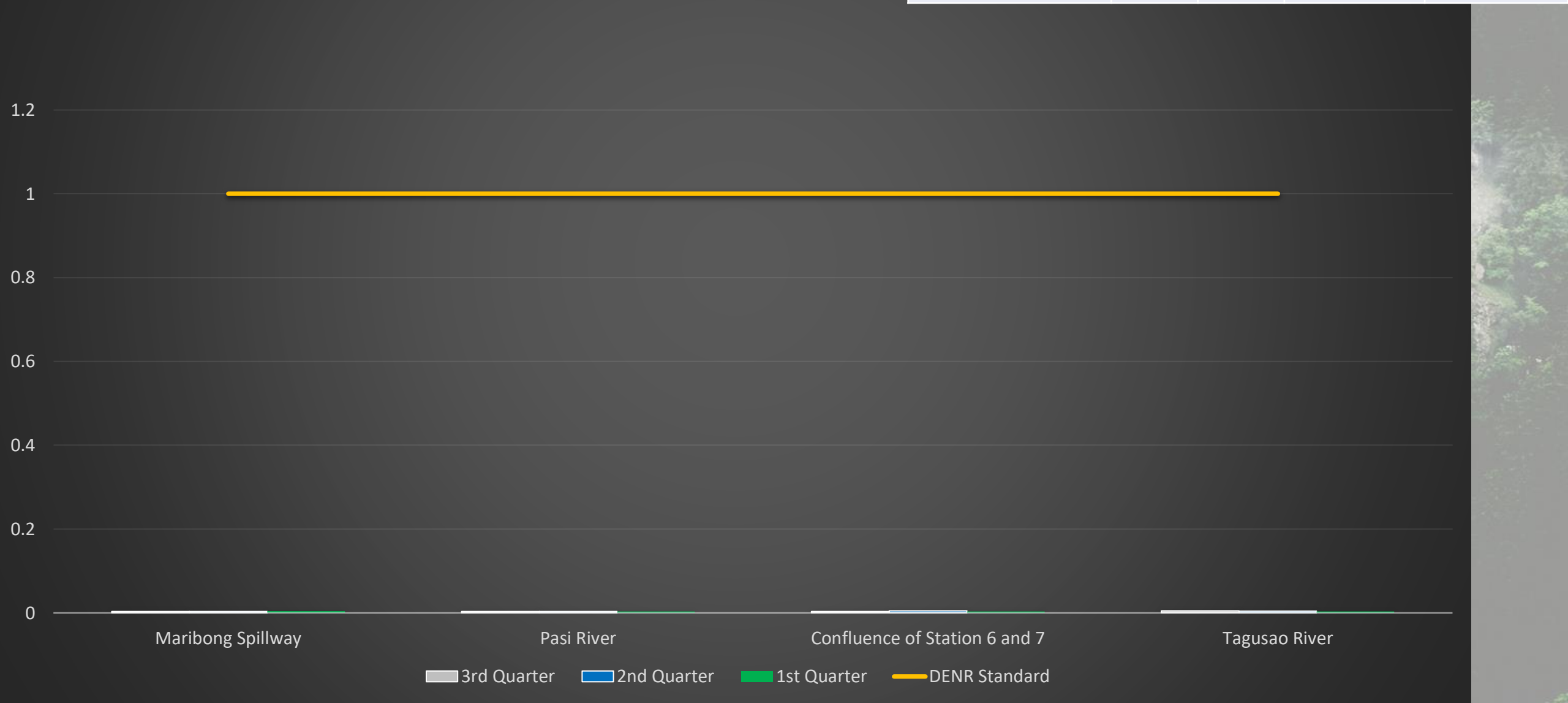
Ambient Sampling Stations
WATER SAMPLING
Manganese

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	0.006	0.007	0.04	2 mg/L
Pasi River	0.02	0.01	0.01	2 mg/L
Confluence of Station 6 and 7	0.009	0.02	0.01	2 mg/L
Tagusao River	0.02	0.01	0.008	2 mg/L



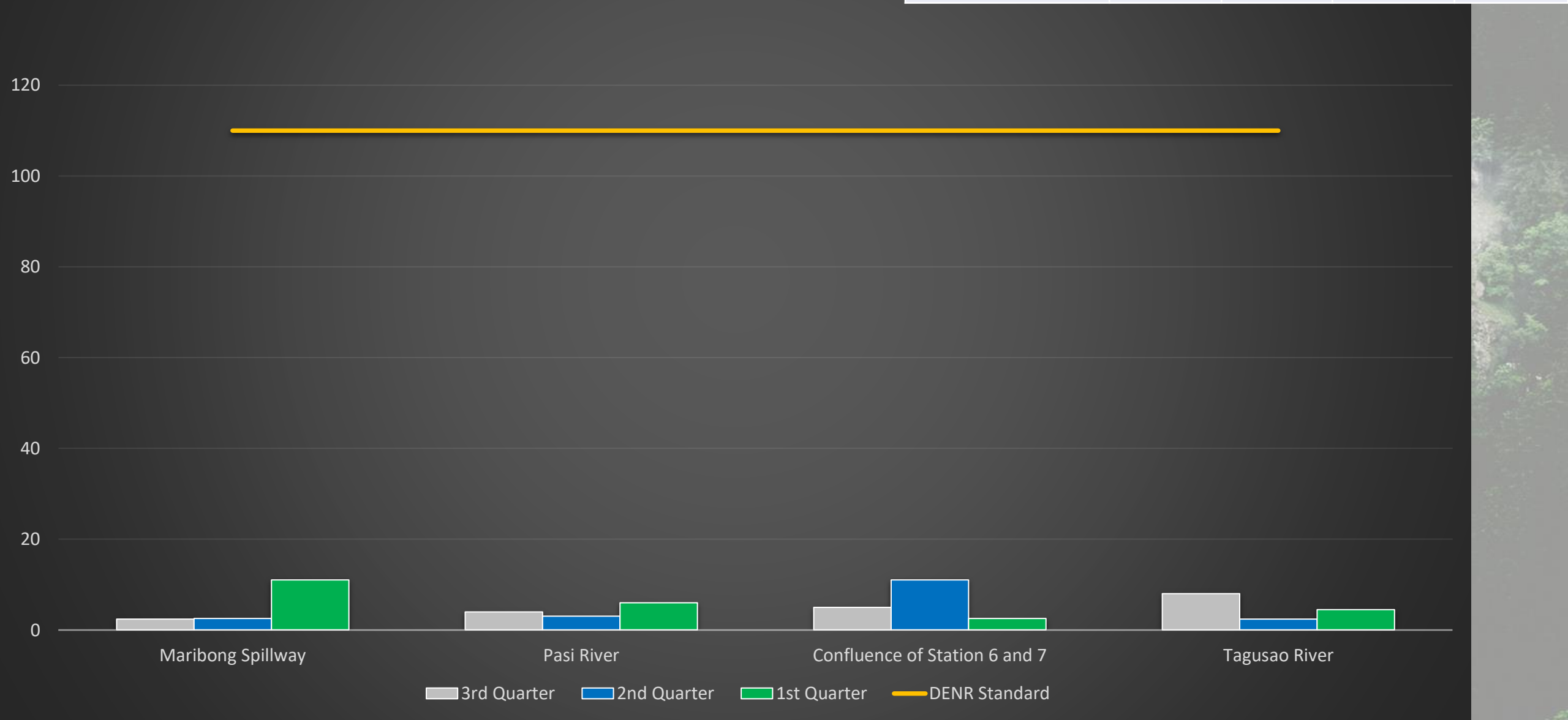
Ambient Sampling Stations WATER SAMPLING Nickel

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	0.003	0.003	0.004	1 mg/L
Pasi River	0.003	0.003	0.003	1 mg/L
Confluence of Station 6 and 7	0.003	0.005	0.003	1 mg/L
Tagusao River	0.005	0.004	0.003	1 mg/L



Ambient Sampling Stations
WATER SAMPLING
TSS

	3rd Quarter	2nd Quarter	1st Quarter	DENR Standard
Maribong Spillway	2.38	2.5	11	110 mg/L
Pasi River	4	3	6	110 mg/L
Confluence of Station 6 and 7	5	11	2.5	110 mg/L
Tagusao River	8	2.38	4.5	110 mg/L



R.A 9275

PARAMETERS	Station 10 – Pasi SP #1
Time	
Weather Condition	NO DISCHARGE
Water Apperance	
Other Observation	
Temperature	
ORP, mv	
pH	
Conductivity, mS/cm	
Turbidity, NTU	
DO, mg/L	
TDS, g/L	
Salinity, ppt	
SW Specific Gravity, oT	

R.A 9275

PARAMETERS	Station 11 – Pasi SP #3
Time	
Weather Condition	NO DISCHARGE
Water Apperance	
Other Observation	
Temperature	
ORP, mv	
pH	
Conductivity, mS/cm	
Turbidity, NTU	
DO, mg/L	
TDS, g/L	
Salinity, ppt	
SW Specific Gravity, oT	

R.A 9275

PARAMETERS	Station 12 – Tagusao SP
Time	
Weather Condition	NO DISCHARGE
Water Apperance	
Other Observation	
Temperature	
ORP, mv	
pH	
Conductivity, mS/cm	
Turbidity, NTU	
DO, mg/L	
TDS, g/L	
Salinity, ppt	
SW Specific Gravity, oT	

R.A 9275

PARAMETERS	Station 13 – Stockyard SP
Time	10:08AM
Weather Condition	NO DISCHARGE
Water Apperance	
Other Observation	
Temperature	
ORP, mv	
pH	
Conductivity, mS/cm	
Turbidity, NTU	
DO, mg/L	
TDS, g/L	
Salinity, ppt	
SW Specific Gravity, oT	

R.A. 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) 536-97-86

Permit No: PTO-OL-R4B-2022-03599-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:

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

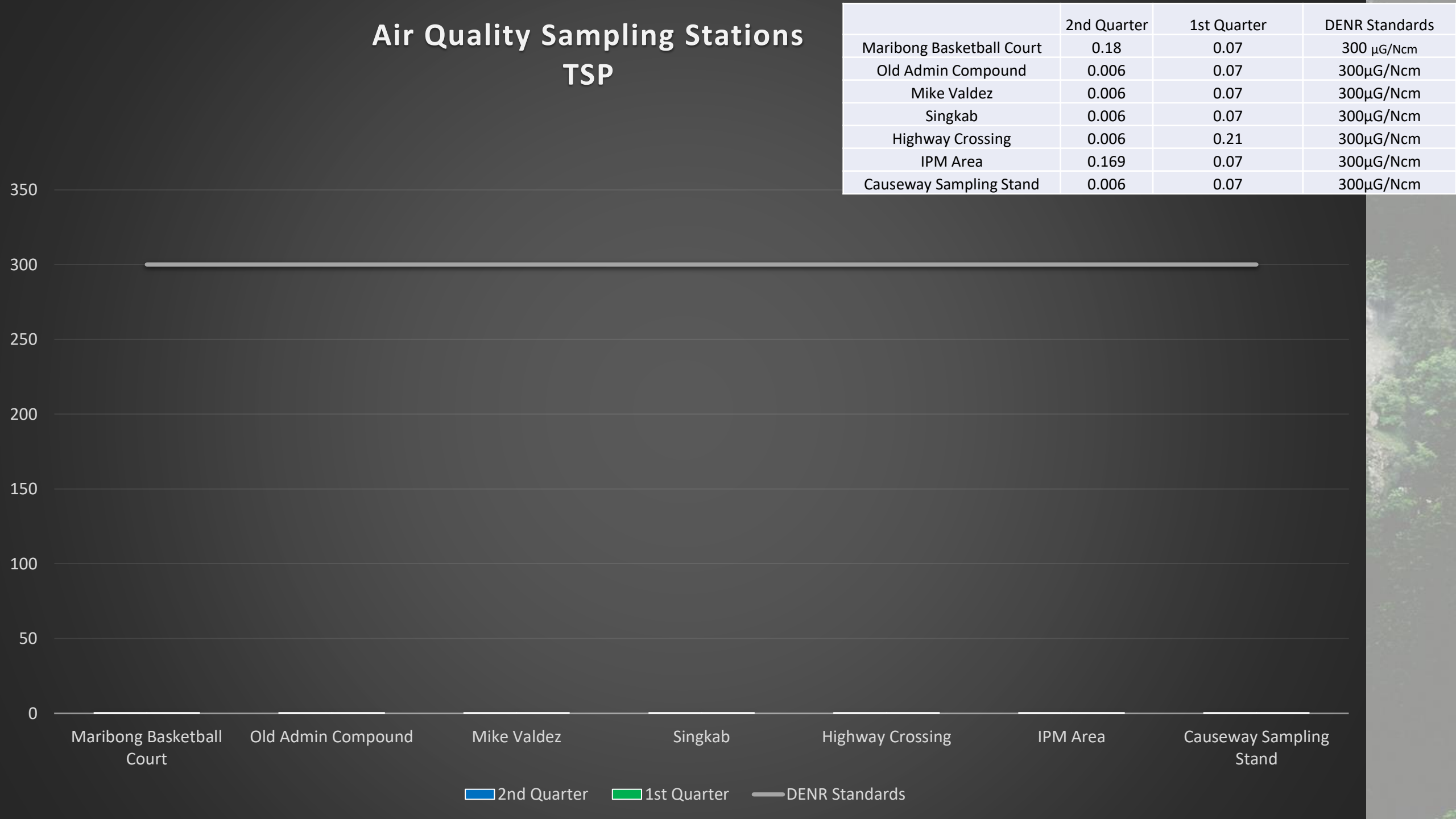
Approved by:

JOE AMIL M. SALINO
Regional Director

Back up Generator Sets

Air Quality Sampling Stations
TSP

	2nd Quarter	1st Quarter	DENR Standards
Maribong Basketball Court	0.18	0.07	300 µG/Ncm
Old Admin Compound	0.006	0.07	300µG/Ncm
Mike Valdez	0.006	0.07	300µG/Ncm
Singkab	0.006	0.07	300µG/Ncm
Highway Crossing	0.006	0.21	300µG/Ncm
IPM Area	0.169	0.07	300µG/Ncm
Causeway Sampling Stand	0.006	0.07	300µG/Ncm



NOISE AND AIR SAMPLING ACTIVITY

3RD QUARTER 2022 CMDC-PNMP MULTIPARTITE MONITORING TEAM
FIELD DATA NOISE QUALITY MONITORING FORM

Citinickel Mines
AND DEVELOPMENT CORPORATION

NAME OF PROPONENT : CITINICKEL MINES AND DEVELOPMENT CORPORATION
LOCATION : SOFRONIO ESPAÑOLA, PALAWAN
DATE OF SAMPLE COLLECTION : 7 September 2022

STATION	TIME	READING		Total (dB) Reading	OBERVATIONS	REMARKS
		Minimum (dB)	Maximum (dB)			
1.Maribong Basketball Court	11:14	50.2	57.4	52.9	On-going hauling operation	Sunny
2.Old Admin Building	12:47	60.4	65.5	62.95	On-going hauling operation	Sunny
3.Mike Valdez	2:02	68.3	70.5	69.4	On-going hauling operation	Sunny
4.Singkab	3:15	68.7	59.1	63.4	On-going hauling operation	Sunny
5.Highway Crossing	4:39	60.1	68.9	64.5	On-going hauling operation	Sunny
6.IPM Area	5:50	52.3	51.4	51.85	On-going hauling operation	Sunny
7. Causeway Sampling Stand	6:57	51.8	59	52.4	No shipment operation	Dark

Sample Collected by:

(Name/Agency/Signature) (Name/Agency/Signature) (Name/Agency/Signature) (Name/Agency/Signature)

DANIEL D. BOSTON (Name/Agency/Signature) NELSON C. VIRGO/PPO (Name/Agency/Signature) JOCEL CAPATIAN / CMDC (Name/Agency/Signature) GLOVANIE TENIOS / CMDC (Name/Agency/Signature)

Page 1 of 1

Citinickel Mines AND DEVELOPMENT CORPORATION
3rd QUARTER 2022 CMDC-PNMP MULTIPARTITE MONITORING TEAM
FIELD DATA AIR QUALITY MONITORING FORM

NAME OF PROPONENT : CITINICKEL MINES AND DEVELOPMENT CORPORATION
LOCATION : SOFRONIO ESPAÑOLA, PALAWAN
DATE OF SAMPLE COLLECTION : 7 September 2022

Station	Filter No.	Time		Initial Weight (W1), gram	Temperature °C	Initial Flowrate (F1), m^3	Final Flowrate (F2), m^3	Humidity	Weather Condition	Remarks
		Start	End							
1.Maribong Basketball Court	47mm07-140	11:14 am	12:14 pm	0.1293878	34	3	3	96.8	Sunny	
2.Old Admin Building	47mm07-141	12:47 pm	01:47 pm	0.1283744	37	3	3	97	Sunny	On-going hauling operation
3.Mike Valdez	47mm07-142	2:02 pm	3:02 pm	0.1286W	99.8	3	3	93	Sunny	On-going hauling operation
4.Singkab	47mm07-143	3:15	4:15	0.1309[illegible]	35.7	2.5	2.5	96	Sunny	On-going hauling operation
5.Highway Crossing	47mm07-144	4:39	5:39	0.1294107	32.6	2.5	2.5	91.3	Sunny	On-going Hauling operation
6.IPM Area	47mm07-145	5:50	6:50	0.1285[illegible]	28.1	3	3	84.2	Sunny	On-going Hauling operation
7. Causeway Sampling Stand	47mm07-146	6:57	7:57	0.1296[illegible]	28.2	3	3	93.4	Dark	No shipment hauling operation

Sample Collected by:

(Name/Agency/Signature) (Name/Agency/Signature) (Name/Agency/Signature) (Name/Agency/Signature)

DANIEL D. BOSTON (Name/Agency/Signature) NELSON C. VIRGO/PPO (Name/Agency/Signature) JOCEL CAPATIAN / CMDC (Name/Agency/Signature) GLOVANIE TENIOS / CMDC (Name/Agency/Signature)

Page 1 of 1

FINDINGS AND OBSERVATIONS

1. There are two (2) contractors for this project who are also required to comply with the applicable environmental laws, particularly, hazwaste registration ID and to have their own PCO. Presently, the following contractors have the following status on said requirements:

- CERI with on-going PCO Accreditation
- ITC – with Accredited PCO and Hazwaste I.D;

2. There are nine (9)water sampling stations for ambient and four (4) sampling stations for effluent. Out of these effluent stations, currently, four (4) sampling stations (Pasi 1 and Pasi 3, Tagusao and Stockyard Siltation Pond stations) are observed to be no discharge.

3. At present, there are seven (7) septic tanks for the exclusive use of the employees and visitors which are now required to secure a Discharge Permit per MC 2020-006.

4. It has been observed that there are water sampling stations without an appropriate signages.

FINDINGS AND OBSERVATIONS

5. The company currently utilize the old admin building as temporary RCA while the MOA with the concerned LGU-Espanola is still on process of execution.

6. There is an area designated as fuel depot (2 tanks) located within the mine camp with the capacity of 60,000 liters with no PTO.

7. The temporary Hazardous Storage Facility will be transferred from the old admin to pier campsite which is currently under construction.

9. The proponent is currently utilizing a renewable energy (solar led lights and hydro) which is included in the SDMP projects to lessen the power consumption and climate change effects.

10. During the site validation, Mr. Nerio Osano, MMT Member/ President of People's Organization/Irrigator's Association, raised his concerns to consider a water monitoring station in their area as indicator of the quality of water supply for irrigation purposes.

RECOMMENDATIONS

1. The proponent is advised to secure Discharge Permit for the septic tanks per EMB Memorandum Circular 2020-006 within a year from this monitoring period.

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. The proponent is advised to secure Permit to Operate for the installation of fuel depot/tank in compliance with MC 2020-17 within a year from this monitoring period.

4. With regard to the concern raised by Mr. Osano for inclusion of their area as water sampling station, he may write the MMT for a request to consider the matter and the MMT to elevate the request to the EMB thru the MRFC for evaluation and ground validation.

.

RECOMMENDATIONS

4. If the company desires, installation of coconets (or an alternative) for a more effective slope stabilization in the rehabilitation (benching) areas may be considered..


THANK YOU!