

2nd Quarter MMT CMDC Validation

3rd Quarter Air and Water Sampling
September 5 - 9, 2022

TORONTO NICKEL MINING PROJECT: Brgy. San Isidro, Narra Palawan

Team Members

EMB - MIMAROPA

PEMU, PALAWAN: SupEMS Mercedita B. Almorfe

REGIONAL OFFICE: EnMO-Geologist Niño Jefferson L. Rojas

LGU San Isidro: Barangay Kagawad Roscell Buñag

CMDC Representatives: PCO Monica Alaska and company



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

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)-TORONTO NICKEL MINING PROJECT

Facility Address : KILOMETER 108, BATO-BATO, NARRA, PALAWAN

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

OL-GR-R4B-53-010505

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

Waste Class	Waste Number
Lead compounds	D406
Mercury and mercury compounds	D407
Grease wastes	H802
Used industrial oil including sludge	I101
Oil-contaminated Materials	I104
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 A. M. SALINO

Regional Director

October 07, 2021



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Protect the environment... Protect life...

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Temporary Hazardous Waste Storage Area

Sep 6, 2022 2:21:50 PM
9.1995N 118.2723E
67° NE
Altitude: 106.2m
Speed: 0.0km/h

Sep 6, 2022 2:18:53 PM
9.1995N 118.2721E
347° N
Altitude: 123.5m
Speed: 0.0km/h

Sep 6, 2022 2:19:51 PM
9.1997N 118.2721E
303° NW
Altitude: 97.0m
Speed: 0.0km/h

Sep 6, 2022 2:19:36 PM
9.1997N 118.2721E
275° W
Altitude: 95.7m
Speed: 0.0km/h

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



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2022 Hazardous Waste Inventory as of July 2022

Month	Used Oil, Drum	Empty Chemical Container	ULAB [®] Piece	Oil-Contaminated Waste, drum	Flourescent Bulbs, pieces	Waste Electrical and Electronic Equipment, Kgs.
2021						
January	149	182	412	102	398	78
February	6	0	0	0	0	0
March	4	0	38	0	0	0
April	10	0	18	0	0	0
May	8	0	0	0	0	0
June	8	0	30	0	0	0
July	16	1	12	0	0	0
August	9	0	14	39	0	0
September						
October						
November						
December						
TOTAL	61	1	112	39	398	78

Hauling of the following Hazardous waste on March 31-April 4, 2022 :
Used oil - 139 drums
Oil-Contaminated Waste - 53 drums
ULAB - 380 pcs.
Empty Chemical Containers - 182 pcs.
* Used Lead Acid Batteries

Sep 6, 2022 2:20:10 PM
9.1995N 118.2721E
91° E
Altitude:117.6m
Speed:1.3km/h

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



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Chemical Storage Area

A photograph of a small, single-story white building with a red roof, situated in a grassy field. The building has a sign that reads "CHEMICAL STORAGE AREA" and a red door. There are some warning signs on the wall. A compass rose is visible in the top left corner of the image.

Sep 6, 2022 2:15:18 PM
9.1989N 118.2766E
336° NW
Altitude:83.7m
Speed:0.0km/h

Oil and Water Separator on motorpool

A photograph of an oil and water separator structure, which is a large, rectangular concrete tank with a metal cover. The structure is situated in a grassy area. A compass rose is visible in the top left corner of the image.

Sep 6, 2022 2:21:30 PM
9.1996N 118.2722E
304° NW
Altitude:107.3m
Speed:0.0km/h

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

Waste Storage Bin



Materials Recovery Facility



Old Dump Truck utilized as RCA



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



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Ermita, Manila
Tel No: (02) 536-97-96

Date: Mar 01, 2021 Permit No.: DP-R4B-21-01206
Renewal

WASTEWATER DISCHARGE PERMIT

Pursuant to Section 14, Article 2, of the RA 9275 otherwise known as the "Philippine Clean Water Act of 2004", this permit is hereby granted to **Caroline L. Tanchay/Citnickel Mines And Development Corporation** with office address at South National Highway, Bato-Bato, Narra, Palawan for its establishment:

Citnickel Mines And Development Corporation	South National Highway Bato-bato NARRA
TIN No. 245-745-964-001	

- This permit is issued to the Toronto Nickel Mining Project and the permit holder shall discharge to the final discharge point of Admin Siltation Pond with a capacity of 46,514 cubic meters.
- The permit holder shall ensure that discharge rate of the effluent from the Admin Siltation Pond shall not exceed its design rate capacity and shall comply with the following standard:

Parameter	Standard	Parameter	Standard
pH	6.0 - 9.0	Total Suspended Solids	85 mg/L
Manganese	2 mg/L	Arsenic	0.02 mg/L
Cadmium	0.006 mg/L	Lead	0.02 mg/L
Nickel	0.2 mg/L		

- *Reference for effluent parameters: DAO 2016-08, PSIC Code - 07294*
- 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.
 - 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.	Forth	Oct-Dec.	1-15 Jan.

- 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.
- All water consumption shall be measured and recorded on a daily basis. An effective flow-metering device(s) shall be installed for this purpose.
- The permit holder shall maintain the accessible sampling port for water sampling activity of the WTF.
- The permit holder shall maintain the flow-measuring device at influent and effluent sides of its WTF. A monitoring log book shall be maintained and kept at all times. It shall be made available to DENR-EMB and/or its duly-authorized representative(s).
- Submit certificate or any documentary proof of desilting of the WTF.



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Ermita, Manila
Tel No: (02) 536-97-96

Date: Sep 07, 2022 Permit No.: DP-R4B-22-06862
Renewal

WASTEWATER DISCHARGE PERMIT

Pursuant to Section 14, Article 2, of the RA 9275 otherwise known as the "Philippine Clean Water Act of 2004", this permit is hereby granted to **Citnickel Mines And Development Corporation** with office address at South National Highway, Bato-Bato, Narra, Palawan for its establishment:

Citnickel Mines And Development Corporation - Toronto Nickel Mining Project	South National Highway Bato-bato NARRA
TIN No. 245-745-964-001	

- This permit is issued to the Toronto Nickel Mining Project and the permit holder shall discharge to the final discharge point of Pier Yard Siltation Pond with a capacity of 55,019 cubic meters.
- The permit holder shall ensure that discharge rate of the effluent from the Pier Yard Siltation Pond shall not exceed its design rate capacity and shall comply with the following standard:

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

- *Reference for effluent parameters: DAO 2016-08 AND DAO 2021-19, PSIC Code - 07294*
- Submit Wastewater Discharge Permit Application for your other outfall/outlet within thirty (30) days upon receipt hereof, if any.**
 - Submit Self-Monitoring (SMR) based on the following schedule:

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

- *Include Certificate of Treatment for any effluent discharged to any receiving water body or land in every submission of the SMR*
- 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.
 - All water consumption shall be measured and recorded on a daily basis. An effective flow-metering device(s) shall be installed for this purpose.
 - The permit holder shall maintain the flow-measuring device at influent and effluent sides of its siltation pond. A monitoring log book shall be maintained and kept at all times. It shall be made available to DENR-EMB and/or its duly-authorized representative(s).
 - Submit certificate or any documentary proof of desilting of the WTF.



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Ermita, Manila
Tel No: (02) 536-97-96

Date: Jul 15, 2022 Permit No.: DP-R4B-22-04999
Renewal

WASTEWATER DISCHARGE PERMIT

Pursuant to Section 14, Article 2, of the RA 9275 otherwise known as the "Philippine Clean Water Act of 2004", this permit is hereby granted to **Citnickel Mines And Development Corporation** with office address at 10th Floor Ore Central Building, 9th Ave. Cor. 31st Street, Bgc. Fort Bonifacio, Taguig City, Bato-Bato, Narra, Palawan for its establishment:

Citnickel Mines And Development Corporation - Toronto Nickel Mining Project	South National Highway (kilometer 108) Bato-bato NARRA
TIN No. 245-745-964-001	

- This permit is issued to the Toronto Nickel Mining Project and the permit holder shall discharge to the final discharge point of Balitien Siltation Pond with a capacity of 91,813.00 cubic meters.
- The permit holder shall ensure that discharge rate of the effluent from the Balitien Siltation Pond shall not exceed its design rate capacity and shall comply with the following standard:

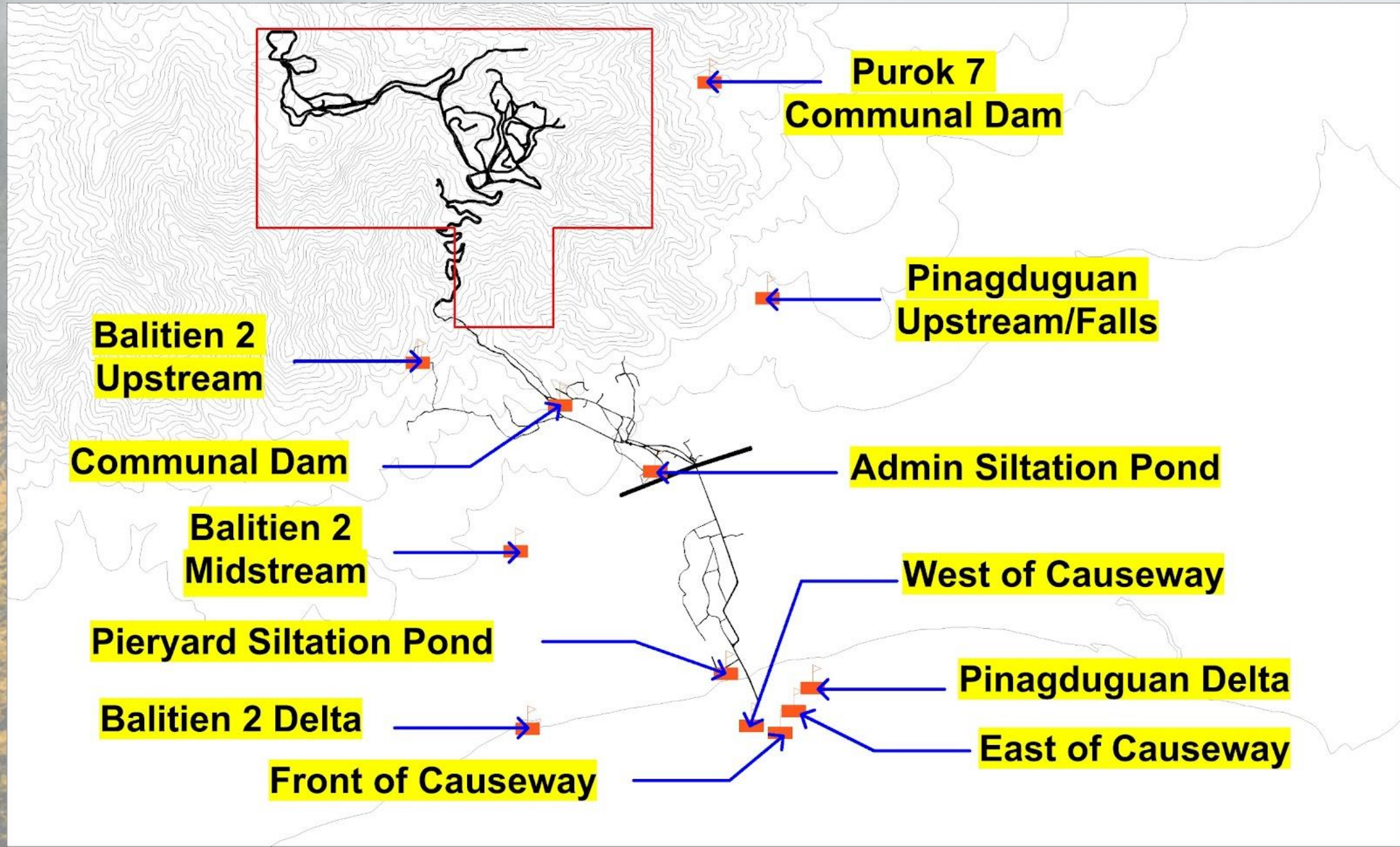
Parameter	Standard	Parameter	Standard
pH	6.0-9.0	Arsenic	0.04 mg/L
Manganese	4 mg/L	Lead	0.1 mg/L
Cadmium	0.01 mg/L	Total Suspended Solids	100 mg/L
Nickel	0.3 mg/L		

- *Reference for effluent parameters: DAO 2016-08 and DAO 2021-19, PSIC Code - 07294*
- Submit Wastewater Discharge Permit Application for your other outfall/outlet within thirty (30) days upon receipt hereof, if any.**
 - Submit Self-Monitoring (SMR) based on the following schedule:

Quarter	Coverage	Submission	Quarter	Coverage	Submission
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TORONTO NICKEL MINING PROJECT WATER SAMPLING STATIONS

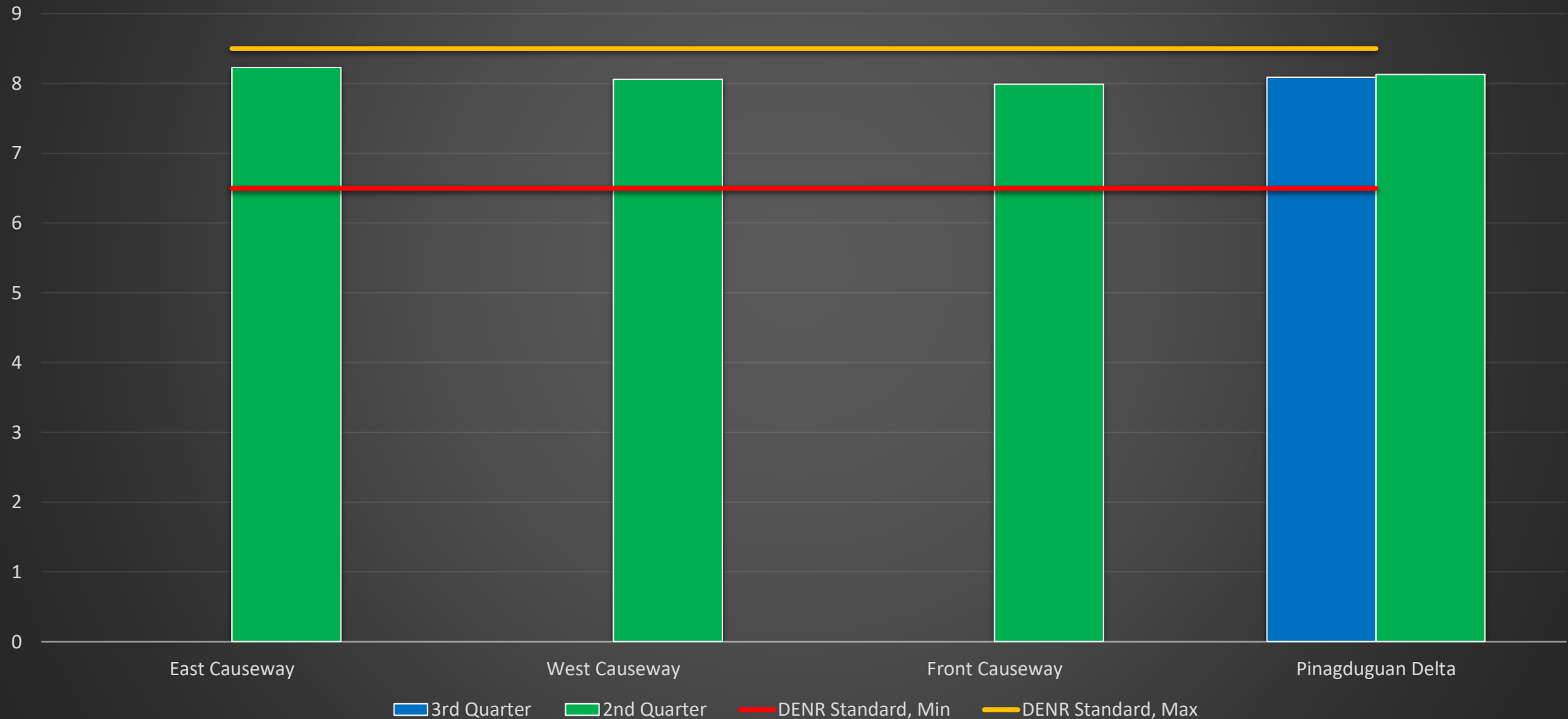


MARINE WATER SAMPLING ACTIVITY



Marine Sampling Stations
WATER SAMPLING
pH

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	No reading	8.23	6.5 - 8.5
West Causeway	No reading	8.06	6.5 - 8.5
Front Causeway	No reading	7.99	6.5 - 8.5
Pinagduguan Delta	8.09	8.13	6.5 - 8.5



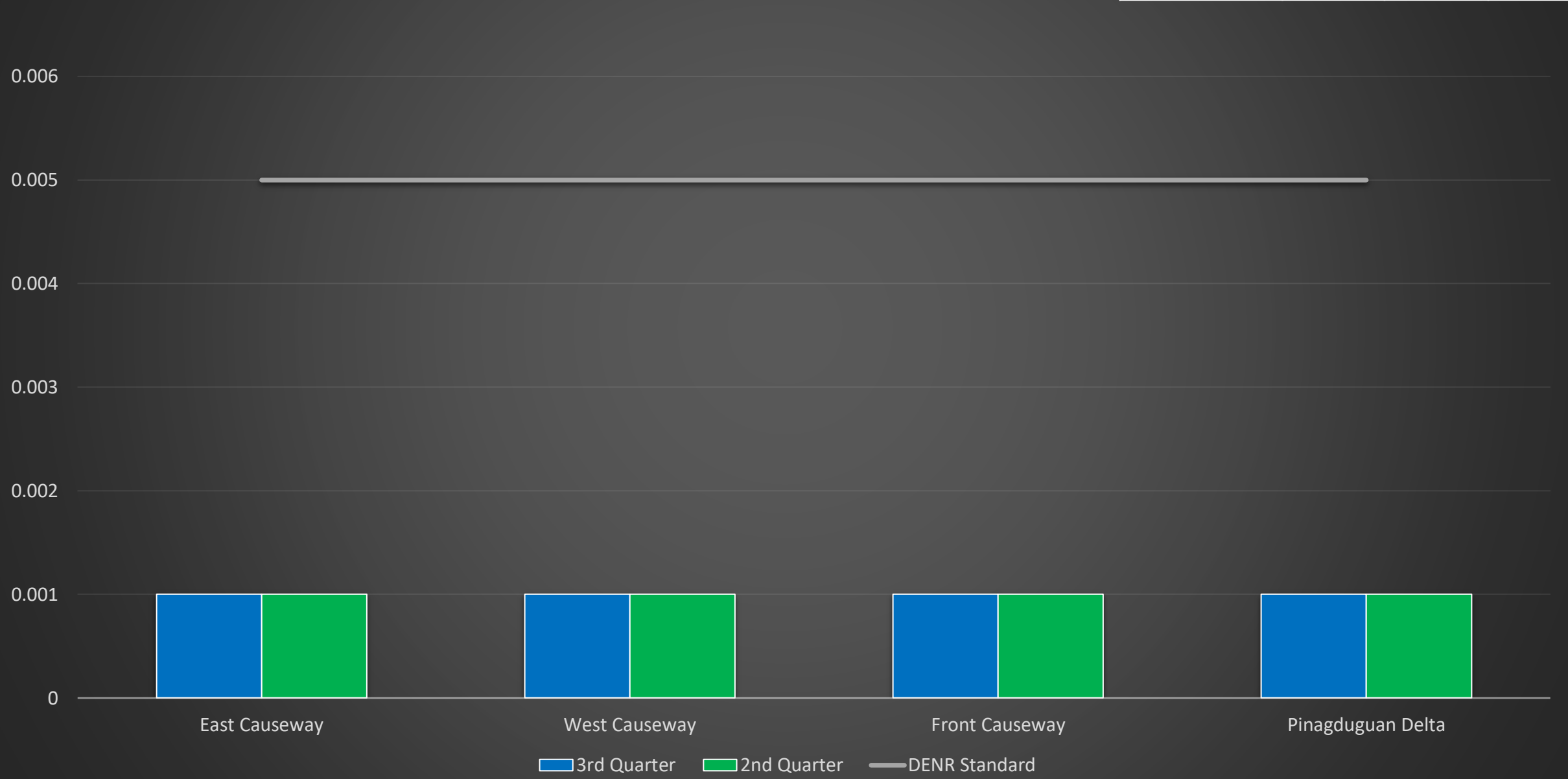
Marine Sampling Stations
WATER SAMPLING
Arsenic

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	0.005	0.005	0.02 mg/L
West Causeway	0.005	0.005	0.02 mg/L
Front Causeway	0.005	0.005	0.02 mg/L
Pinagduguan Delta	0.005	0.005	0.02 mg/L



Marine Sampling Stations
WATER SAMPLING
Cadmium

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	0.001	0.001	0.005 mg/L
West Causeway	0.001	0.001	0.005 mg/L
Front Causeway	0.001	0.001	0.005 mg/L
Pinagduguan Delta	0.001	0.001	0.005 mg/L



Marine Sampling Stations

WATER SAMPLING

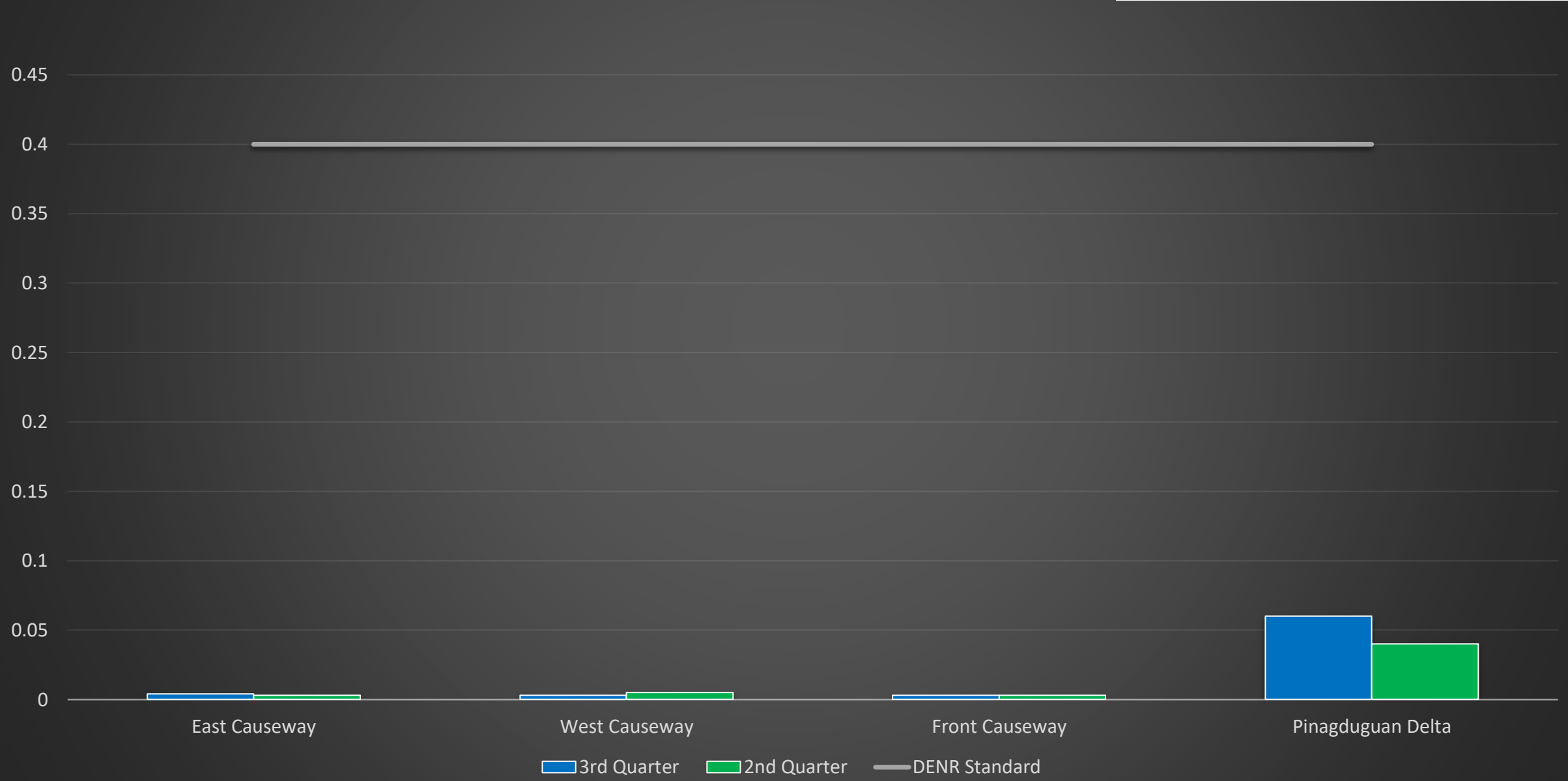
Lead

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	0.005	0.005	0.05 mg/L
West Causeway	0.005	0.005	0.05 mg/L
Front Causeway	0.005	0.005	0.05 mg/L
Pinagduguan Delta	0.005	0.005	0.05 mg/L



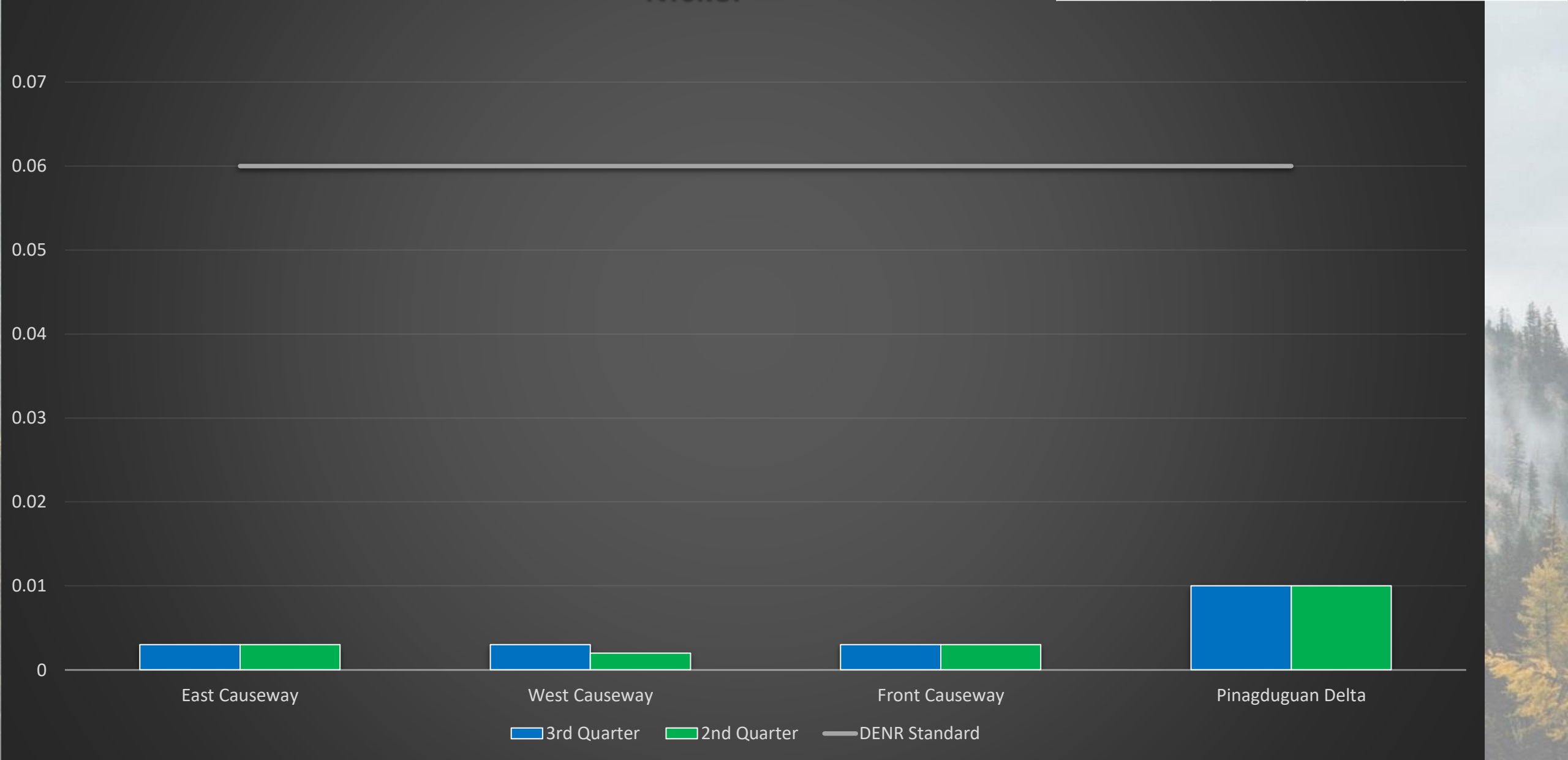
Marine Sampling Stations
WATER SAMPLING
Manganese

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	0.004	0.003	0.4 mg/L
West Causeway	0.003	0.005	0.4 mg/L
Front Causeway	0.003	0.003	0.4 mg/L
Pinagduguan Delta	0.06	0.04	0.4 mg/L



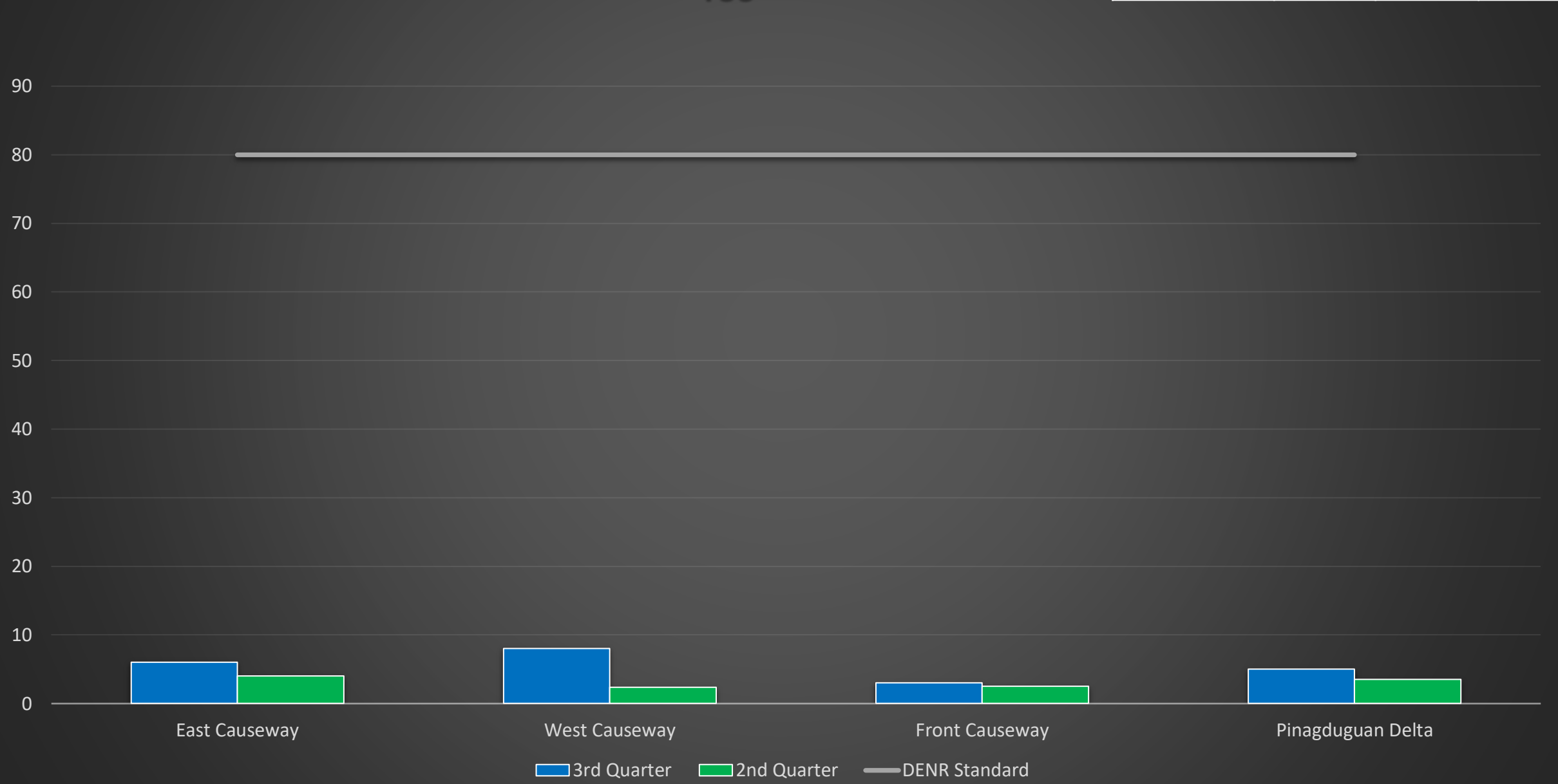
Marine Sampling Stations
WATER SAMPLING
Nickel

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	0.003	0.003	0.06 mg/L
West Causeway	0.003	0.002	0.06 mg/L
Front Causeway	0.003	0.003	0.06 mg/L
Pinagduguan Delta	0.01	0.01	0.06 mg/L



Marine Sampling Stations
WATER SAMPLING
TSS

	3rd Quarter	2nd Quarter	DENR Standard
East Causeway	6	4	80 mg/L
West Causeway	8	2.38	80 mg/L
Front Causeway	3	2.5	80 mg/L
Pinagduguan Delta	5	3.5	80 mg/L



AMBIENT WATER SAMPLING ACTIVITY



Purok 7 Communal Dam



Balitien Delta



Balitien Midstream



Balitien Upstream



Communal Dam



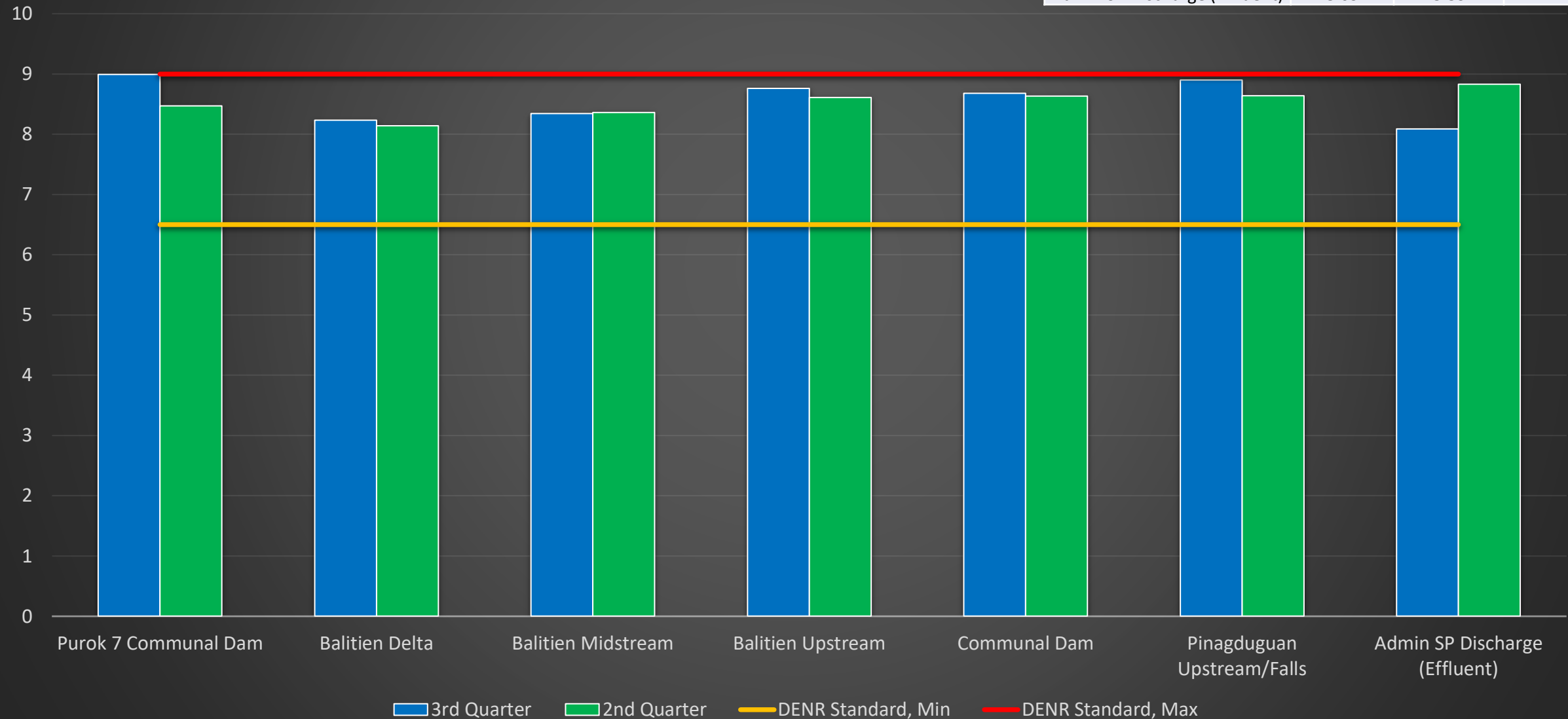
Pinagduguan Falls



Pinagduguan Delta

Ambient and Effluent Sampling Stations
WATER SAMPLING
pH

	3rd Quarter	2nd Quarter	DENR Standard, Min
Purok 7 Communal Dam	8.99	8.47	6.5 - 9
Balitien Delta	8.23	8.14	6.5 - 9
Balitien Midstream	8.34	8.36	6.5 - 9
Balitien Upstream	8.76	8.61	6.5 - 9
Communal Dam	8.68	8.63	6.5 - 9
Pinagduguan Upstream/Falls	8.9	8.64	6.5 - 9
Admin SP Discharge (Effluent)	8.09	8.83	6.5 - 9

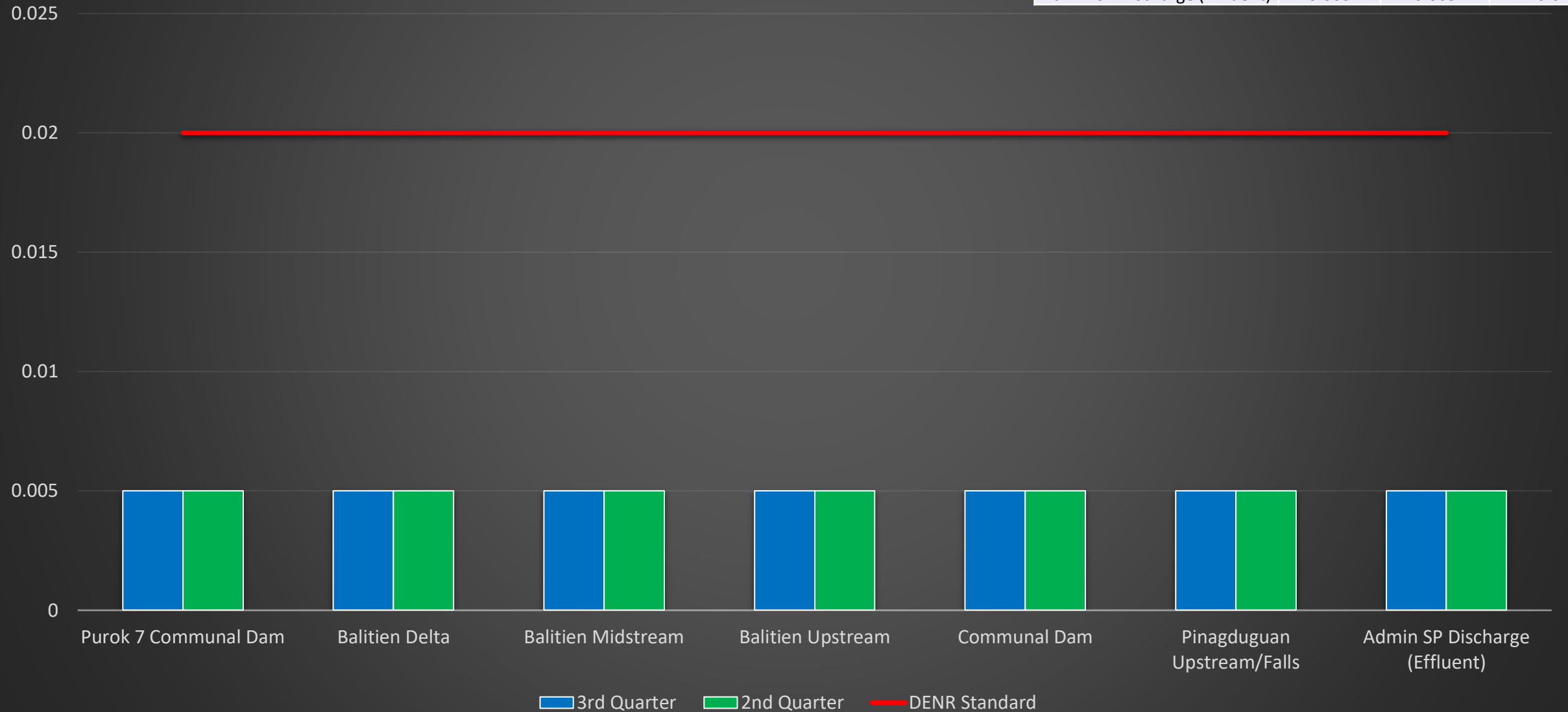


Ambient and Effluent Sampling Stations

WATER SAMPLING

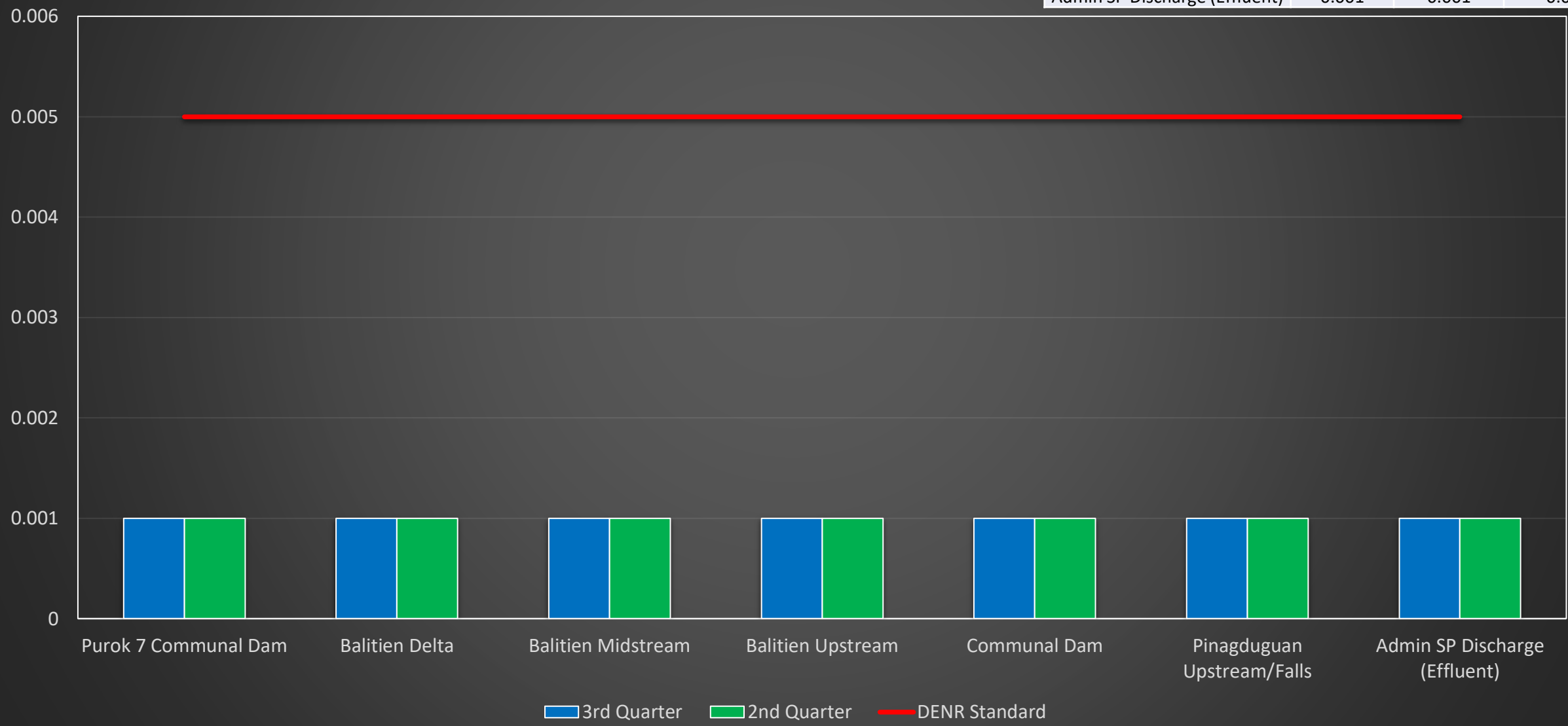
Arsenic

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	0.005	0.005	0.02 mg/L
Balitien Delta	0.005	0.005	0.02 mg/L
Balitien Midstream	0.005	0.005	0.02 mg/L
Balitien Upstream	0.005	0.005	0.02 mg/L
Communal Dam	0.005	0.005	0.02 mg/L
Pinagduguan Upstream/Falls	0.005	0.005	0.02 mg/L
Admin SP Discharge (Effluent)	0.005	0.005	0.02 mg/L



Ambient and Effluent Sampling Stations
WATER SAMPLING
Cadmium

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	0.001	0.001	0.005 mg/L
Balitien Delta	0.001	0.001	0.005 mg/L
Balitien Midstream	0.001	0.001	0.005 mg/L
Balitien Upstream	0.001	0.001	0.005 mg/L
Communal Dam	0.001	0.001	0.005 mg/L
Pinagduguan Upstream/Falls	0.001	0.001	0.005 mg/L
Admin SP Discharge (Effluent)	0.001	0.001	0.005 mg/L

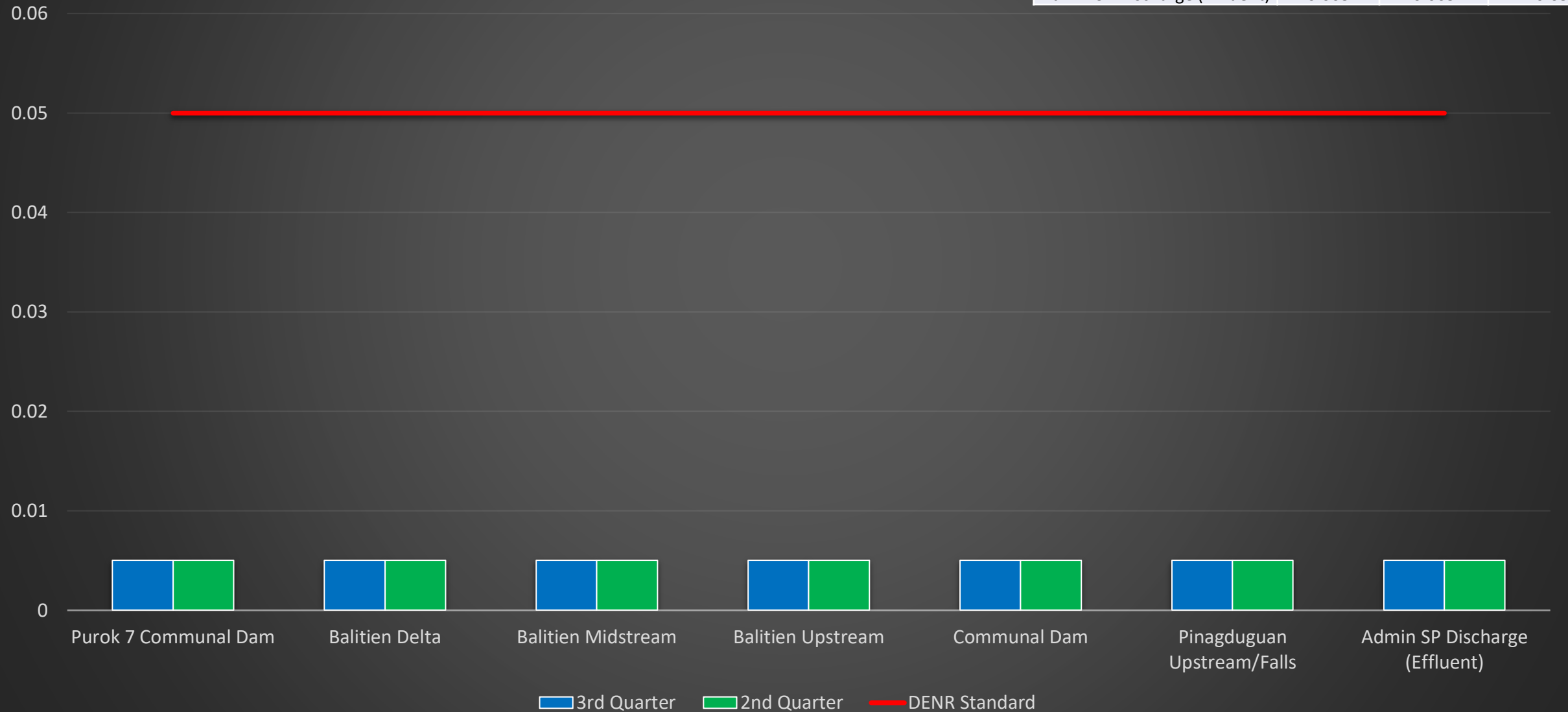


Ambient and Effluent Sampling Stations

WATER SAMPLING

Lead

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	0.005	0.005	0.05 mg/L
Balitien Delta	0.005	0.005	0.05 mg/L
Balitien Midstream	0.005	0.005	0.05 mg/L
Balitien Upstream	0.005	0.005	0.05 mg/L
Communal Dam	0.005	0.005	0.05 mg/L
Pinagduguan Upstream/Falls	0.005	0.005	0.05 mg/L
Admin SP Discharge (Effluent)	0.005	0.005	0.05 mg/L

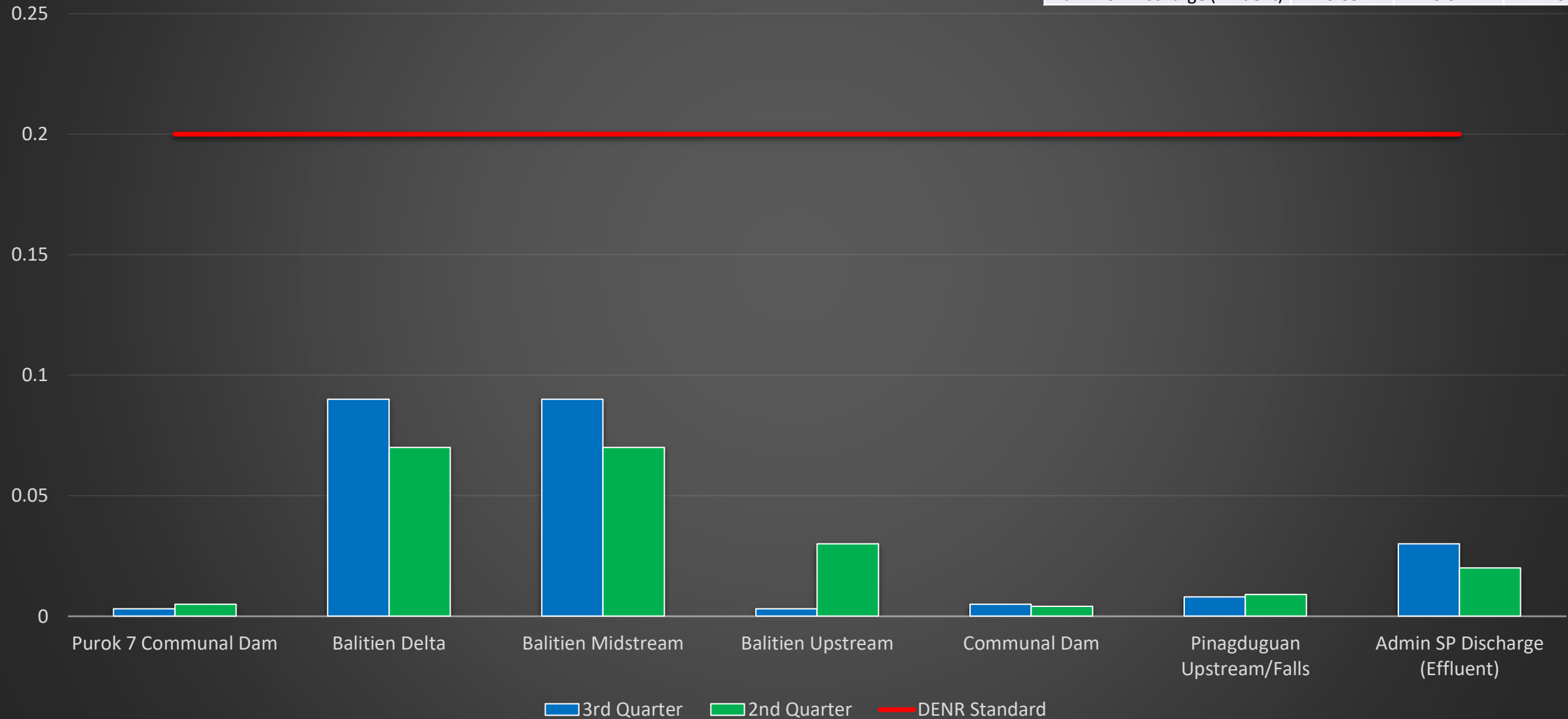


Ambient and Effluent Sampling Stations

WATER SAMPLING

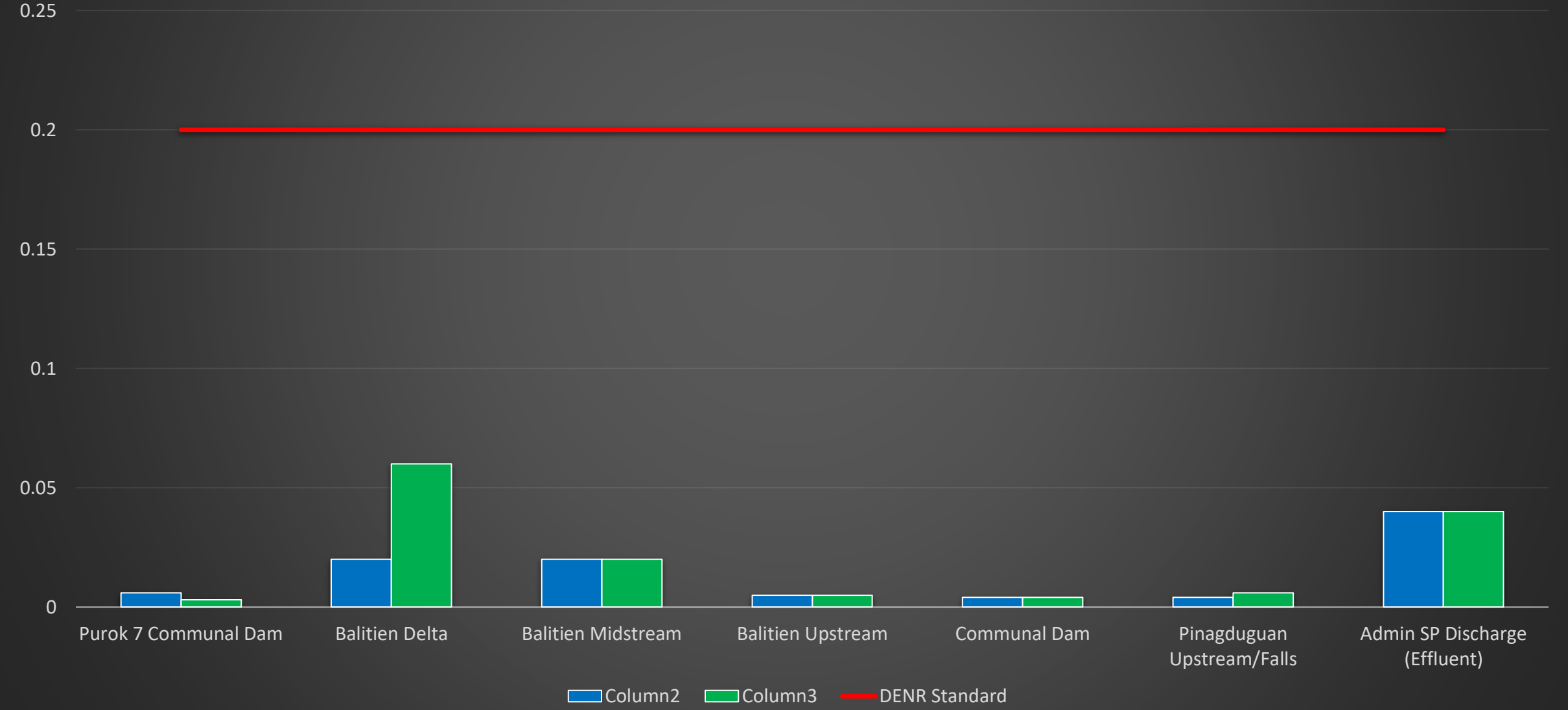
Manganese

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	0.003	0.005	0.2 mg/L
Balitien Delta	0.09	0.07	0.2 mg/L
Balitien Midstream	0.09	0.07	0.2 mg/L
Balitien Upstream	0.003	0.03	0.2 mg/L
Communal Dam	0.005	0.004	0.2 mg/L
Pinagduguan Upstream/Falls	0.008	0.009	0.2 mg/L
Admin SP Discharge (Effluent)	0.03	0.02	0.2 mg/L



Ambient and Effluent Sampling Stations
WATER SAMPLING
Nickel

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	0.006	0.003	0.2 mg/L
Balitien Delta	0.02	0.06	0.2 mg/L
Balitien Midstream	0.02	0.02	0.2 mg/L
Balitien Upstream	0.005	0.005	0.2 mg/L
Communal Dam	0.004	0.004	0.2 mg/L
Pinagduguan Upstream/Falls	0.004	0.006	0.2 mg/L
Admin SP Discharge (Effluent)	0.04	0.04	0.2 mg/L

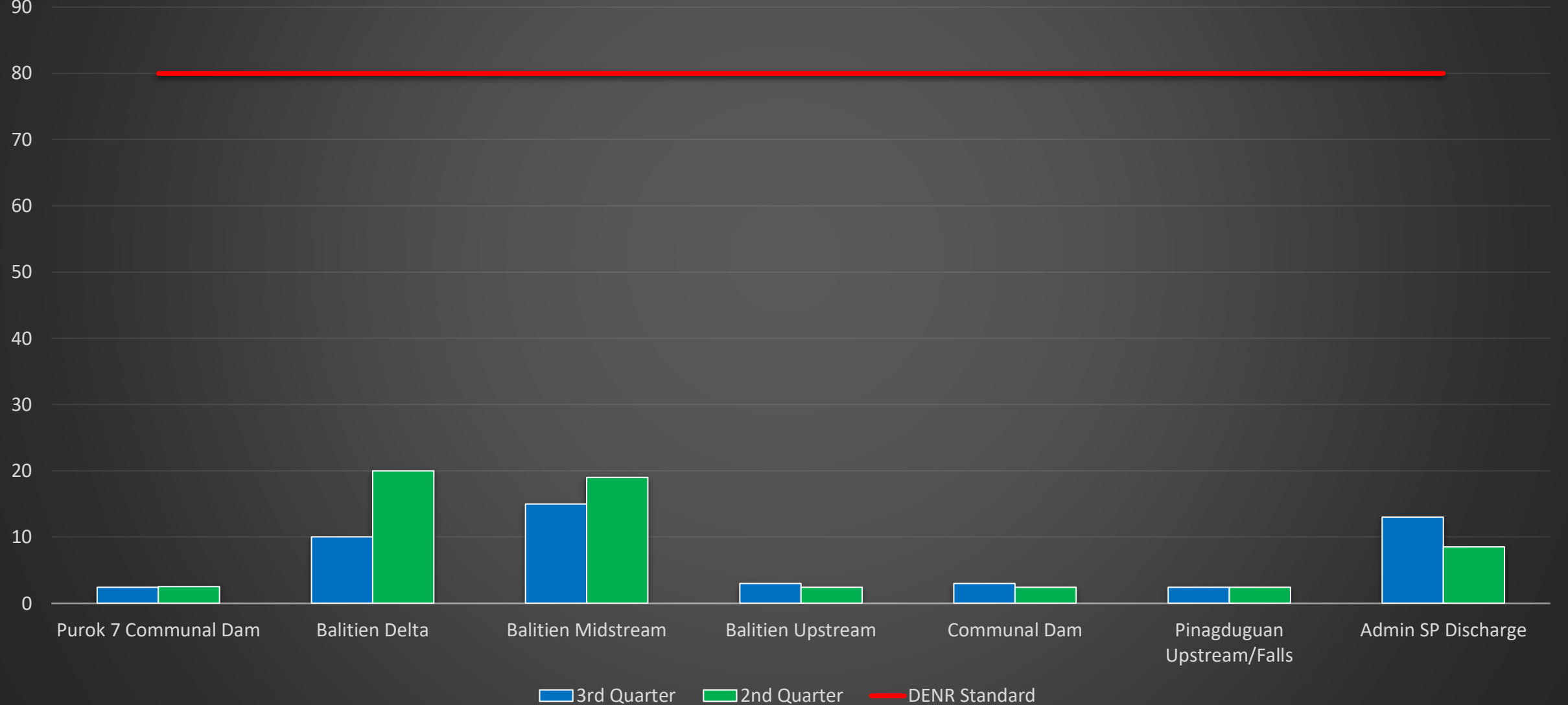


Ambient and Effluent Sampling Stations

WATER SAMPLING

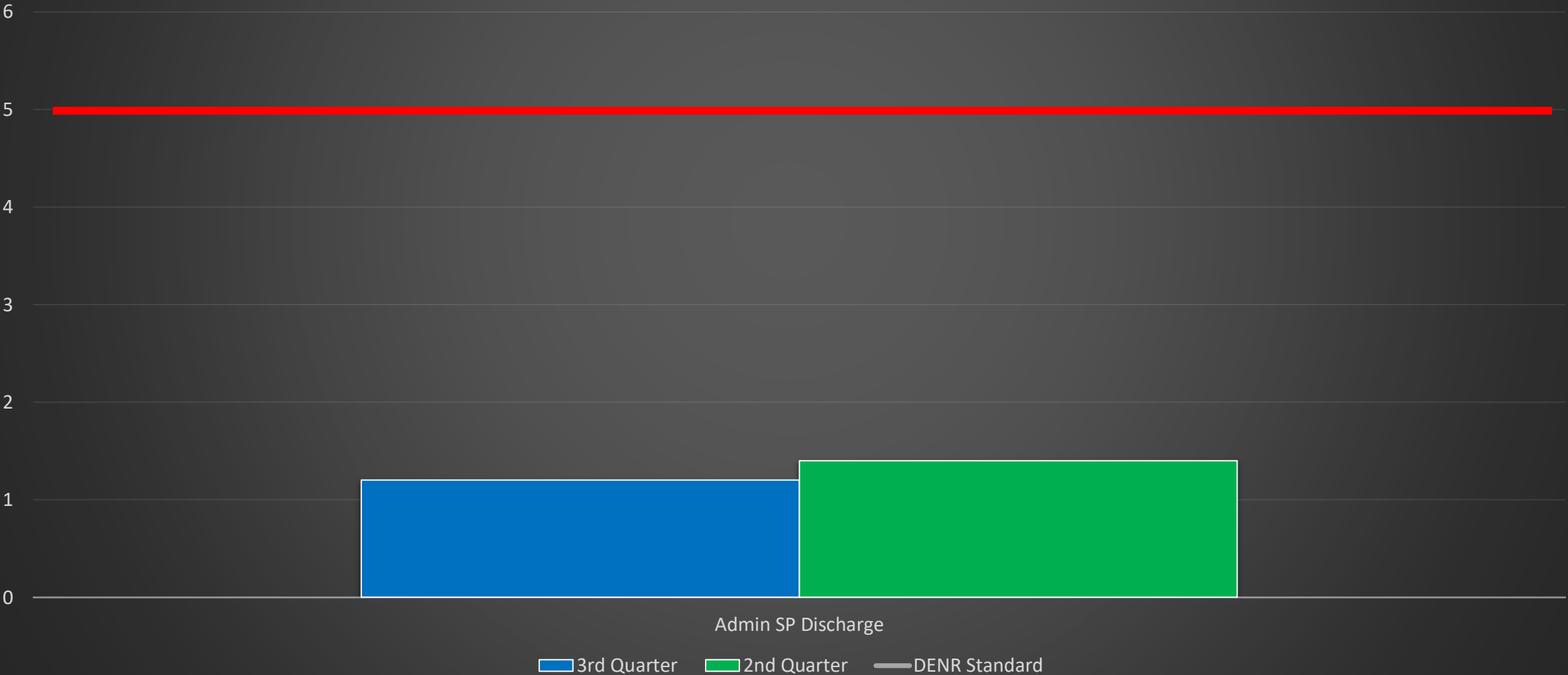
TSS

	3rd Quarter	2nd Quarter	DENR Standard
Purok 7 Communal Dam	2.38	2.5	80 mg/L
Balitien Delta	10	20	80 mg/L
Balitien Midstream	15	19	80 mg/L
Balitien Upstream	3	2.38	80 mg/L
Communal Dam	3	2.38	80 mg/L
Pinagduguan Upstream/Falls	2.38	2.38	80 mg/L
Admin SP Discharge (Effluent)	13	8.5	80 mg/L



Effluent Sampling Stations
WATER SAMPLING
Oil and Grease

	3rd Quarter	2nd Quarter	DENR Standard
Admin SP Discharge (Effluent)	1.2	1.4	5 mg/L



Pinagduguan Falls

Before



Before

Pinagduguan Falls



After

Pinagduguan Falls



After

Pinagduguan Falls



EFFLUENT WATER SAMPLING ACTIVITY



Admin Siltation Pond

R.A 9275

PARAMETERS	Station 12 – Pier Yard SP Discharge
Time	NO DISCHARGE
Weather Condition	
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)

Page 1 of 2



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-2022-06804-R
Application Type: Renewal

Date Issued: 30 Aug 2022
Date Expiration: 30 Aug 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
(Toronto Nickel Mining Project)

South National Highway, Bato-Bato, Narra, Palawan

subject to the following terms and conditions:

TERMS AND CONDITIONS

- This permit is issued for the permittee to operate **One (1) Unit 45.0 kVA Denyo Standby Diesel Generator Set; One (1) unit 50.0 kVA Cummins Standby Diesel Generator Set; One (1) 100.0 kVA Airman Standby Diesel Generator Set; One (1) unit 125.0 kVA Cummins Standby Diesel Generator Set; and One (1) unit 250.0 kVA Cummins Standby Diesel Generator Set** at the permittee's establishment.
- 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).
- 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
- 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:

Approved by:

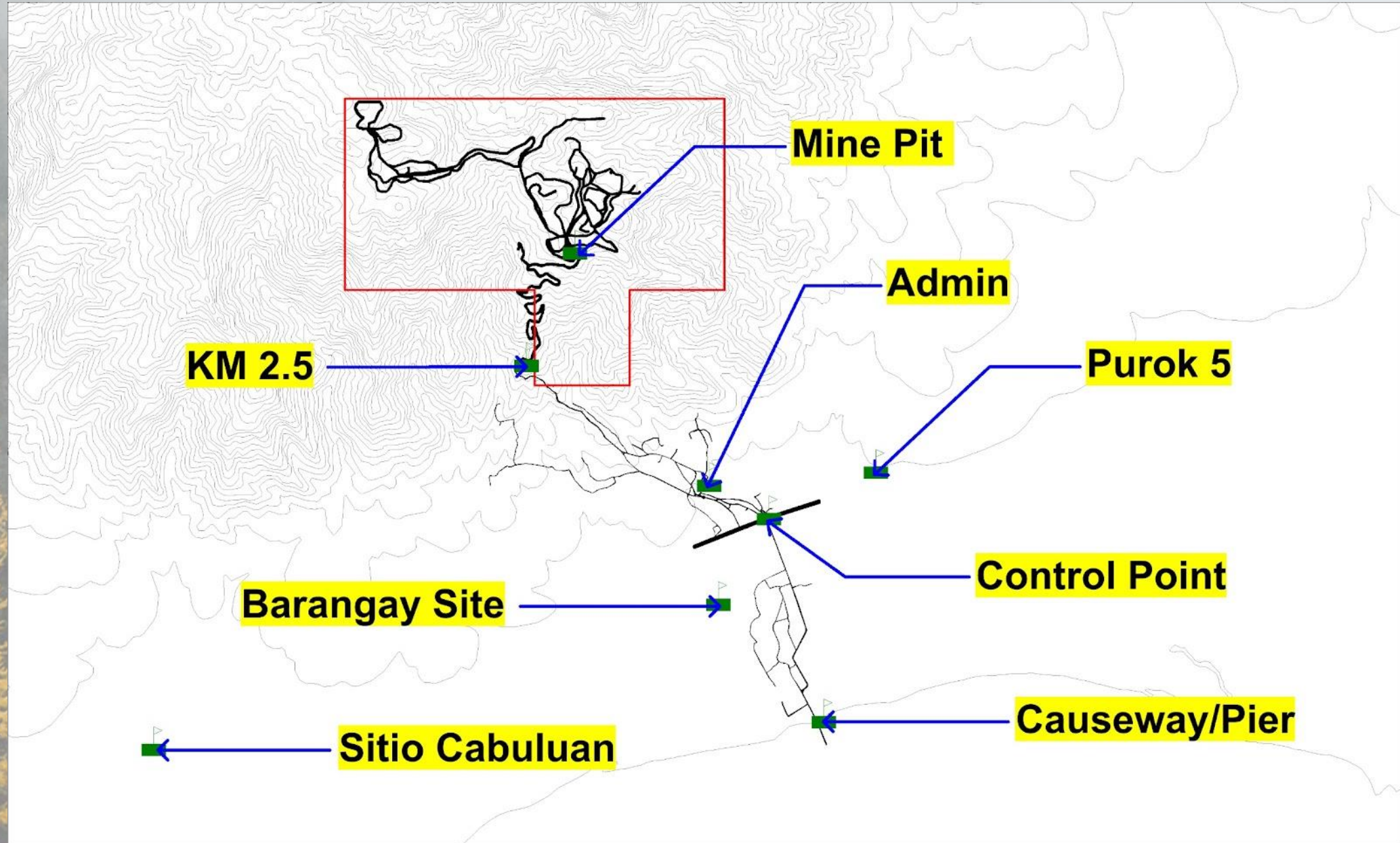
EnP. NICOLE YURI V. DORADO
OIC, Clearance and Permitting Division

JOE AMIL M. SALINO
Regional Director

Back up Generator sets located in Motorpool, Powerhouse
(Admin), Pier, respectively.



TORONTO NICKEL MINING PROJECT AIR SAMPLING STATIONS



Ambient Sampling Stations
AIR SAMPLING
TSP

	2nd Quarter	1st Quarter	DENR Standard
Purok 5	0.96	0.07	200
Admin	0.07	0.07	200
Control Point	0.07	0.07	200
Causeway	0.07	0.07	200
Mine Pit	1.63	0.07	200
Km 2.5	0.07	0.07	200
Brgy. Site	0.07	0.07	200
So. Cabuluan	0.55	0.07	200




AIR & NOISE SAMPLING ACTIVITY

Air Sampling Field Data

Noise Sampling Field Data

[illegible]

**3RD QUARTER 2022 CMD-C-PNMP MULTIPARTITE MONITORING TEAM
FIELD DATA NOISE QUALITY MONITORING FORM**




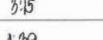
Citinickel Mines
AND DEVELOPMENT CORPORATION

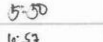
NAME OF PROONENT : CITINICKEL MINES AND DEVELOPMENT CORPORATION
 LOCATION : SOFRONIO ESPAÑOLA, PALAWAN
 DATE OF SAMPLE COLLECTION : 7 September 2022


STATION	TIME	READING		Total (dB) Reading	OBSERVATIONS	REMARKS
		Minimum (dB)	Maximum (dB)			
1. Maribong Basketball Court	11:14	50.2	54.4	52.3	beginning hauling operation	Sunny
2. Old Admin Building	12:47	60.4	65.5	62.45	on-going hauling operation	Sunny
3. Mike Valdez	2:02	68.3	70.9	69.4	on-going hauling operation	Sunny
4. Singkab	3:15	68.7	58.1	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	58.3	51.4	54.85	on-going hauling operation	Sunny
7. Causeway Sampling Stand	6:57	51.8	53	52.4	No shipment operation	People

Sample Collected by:


 (Name/Agency/Signature)


 (Name/Agency/Signature)


 (Name/Agency/Signature)


 (Name/Agency/Signature)

AIR & NOISE SAMPLING ACTIVITY

EQUIPMENT	HazDust Air Sampler
PARAMETER	PM10



Purok 5



Admin



Control Point



Causeway



Mine Pit



Barangay Site



So. Cabuluan

FINDINGS AND OBSERVATIONS

1. There are **3** contractors for this project who are also required to comply with the applicable environmental laws particularly, haz waste ID and to have their own PCO. Presently, the following contractors have the following status on said requirements:

- 800 Series – With valid PCO accreditation (Mr. Ronnel D. Bariso), for application of Hazwaste ID
- Ace Diaz Trucking Services (ADTS) – Expired PCO accreditation
- Ivy Michelle Trading and Construction – with valid PCO accreditation

2. There are a total of thirteen (13) stations: (10) ambient and (3) effluent sampling stations. One (1) effluent station has discharge (Admin SP) and two (2) sampling stations are observed to be no discharge during monitoring (Balitien & Pieryard SP).

3. At present, there are 11 septic tanks for the exclusive use of the employees (comfort rooms) which are now required to secure a Discharge Permit per MC 2020-06.

4. Last March 31-April 4, 2022, the TNMP had engaged with the GENETRON International Marketing, third-party Treater, for the generated Hazardous waste with issued Certificate of Treatment (COT) from the Treater which is an accredited Treater at EMB.

FINDINGS AND OBSERVATIONS

5. There are three (3) fuel depot (tank) with a total capacity of 98,000 Liters with no PTO at present. Two (2) units of 40,000KL and one (1) unit of 18,000KL

6. Pinagduguan Falls is a potential tourist destination in the Municipality of Narra. During the monitoring, being it one of the a water sampling stations, it was observed that picknickers do not care about the importance of clean environment. Picnic paraphernalia and other leftovers were seen surrounding the Pinagduguan Falls and riversides.

7. An on-going construction of structure, accordingly, a pavilion of the Municipal Office was observed within the buffer zone of the Pinagduguan River.

8. The company currently utilize an old dump truck as temporary RCA.

RECOMMENDATIONS

1. The proponent is advised to secure Discharge Permit for the septic tanks per EMB Memorandum Circular 2020-006 within one (1) year from the monitoring period.
2. The proponent is advised to secure Permit to Operate for the installation of fuel depot in compliance with MC 2020-17, DAO 2000-81 of RA 8749 within one (1) year from this Monitoring period.
3. The observation in Pinagduguan Falls pertaining to littering was immediately relayed to Barangay Chairman Ferrer by Kagawad Roscell Buñag, who immediately instructed the assigned barangay personnel to conduct an on-the-spot clean up. Recommending an installation of signages pertaining to local ordinances on proper solid waste management and anti-littering ordinances. Organize a periodic clean-up drives in collaboration with the CDMC for any possible assistance.
4. With regard to the on-going construction within the bufferzone of Pinagduguan Falls, it is recommended that the LGU Narra be informed of prohibition of construction of permanent structures within river embankments or buffer zone per Water Code of the Philippines.
5. Installation of appropriate signages for the RCA.

RECOMMENDATIONS

6. If the company desires, installation of coconets in highly erodible areas for a more effective slope stabilization in the rehabilitation (benching) areas may be considered.



THANK YOU!



Sep 6, 2022 9:40:30 AM
9.1804N 118.2837E
35° NE
Altitude: 59.9m
Speed: 0.0km/h