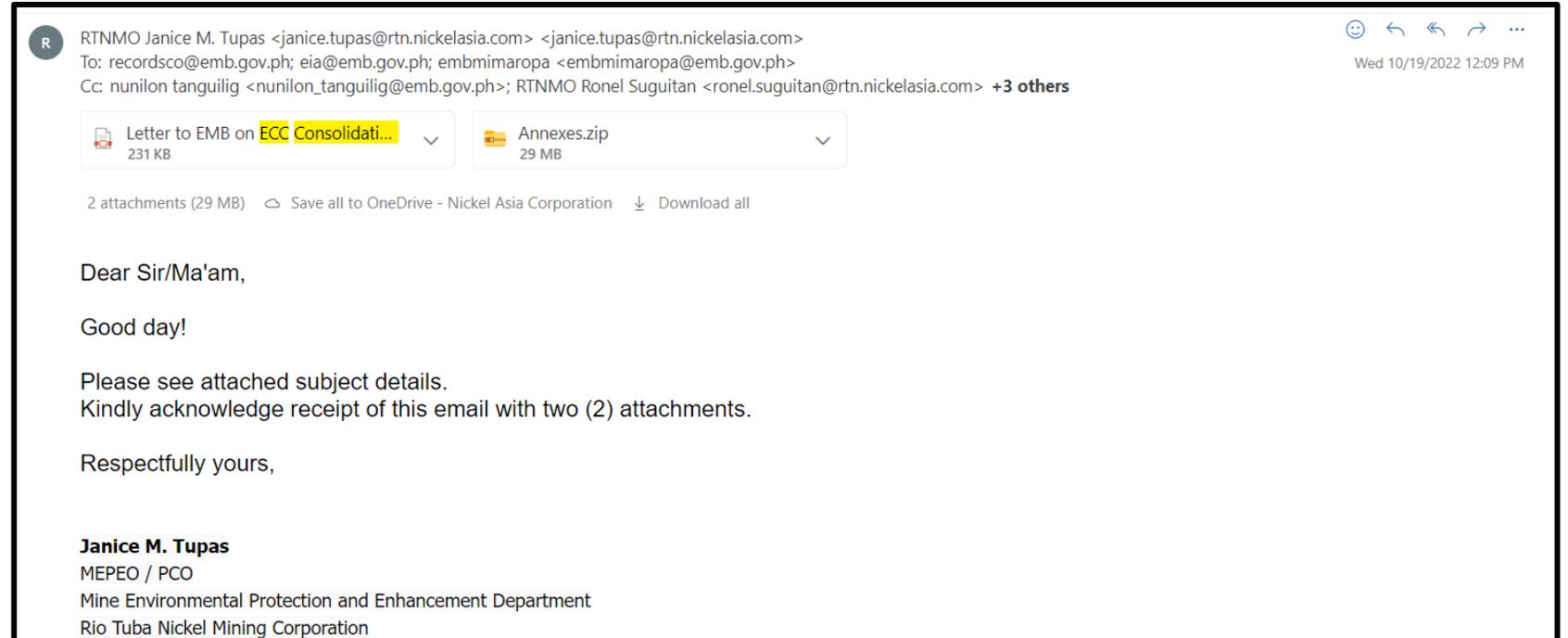
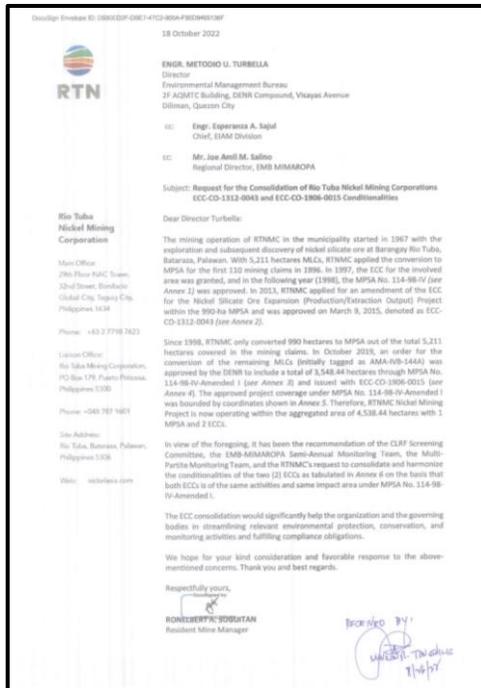


Actions Taken to the Matters Arising from the 3Q22 MRFC Meeting

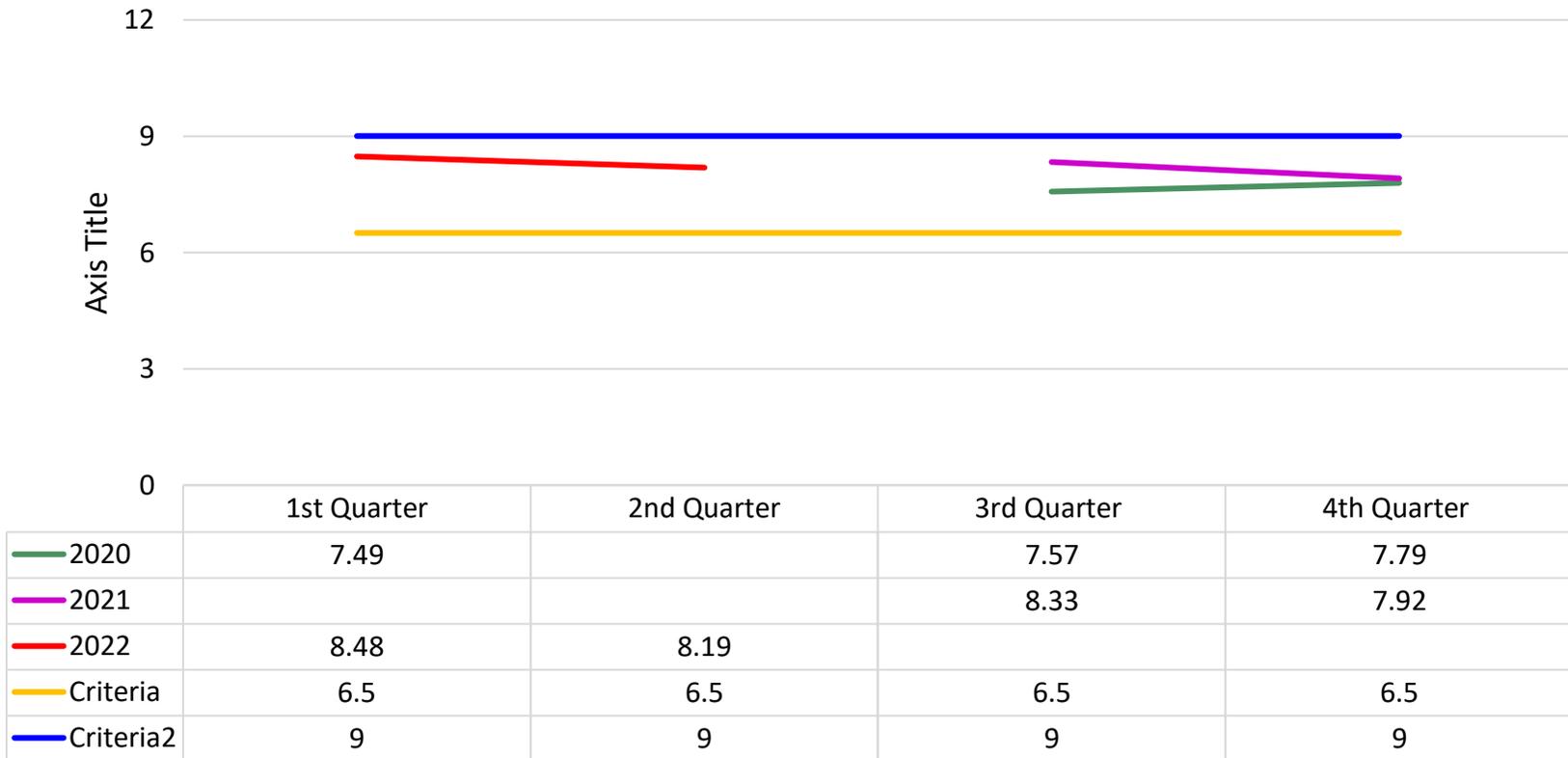
Matters Arising	Actions Taken
MMT Insurance	CBNC recommended getting the Malayan Group Personal Accident Insurance with Php 1M coverage for the insured member, effective 2023, with a quarterly premium of Php 1,275.00 per quarter (see attachment 1)
Consolidation of RTNMC's Environmental Compliance Certificates (ECC)	Emailed to EMB-CO on October 18, 2022 Resubmitted to EMB MIMAROPA on November 26



Actions Taken to the Matters Arising from the 3Q22 MRFC Meeting

Matters Arising	Actions Taken
Baseline values for the concerned sampling Station	Station 1 – Upper Tagpisa (Controlled Station) (MMT Sampling Results)

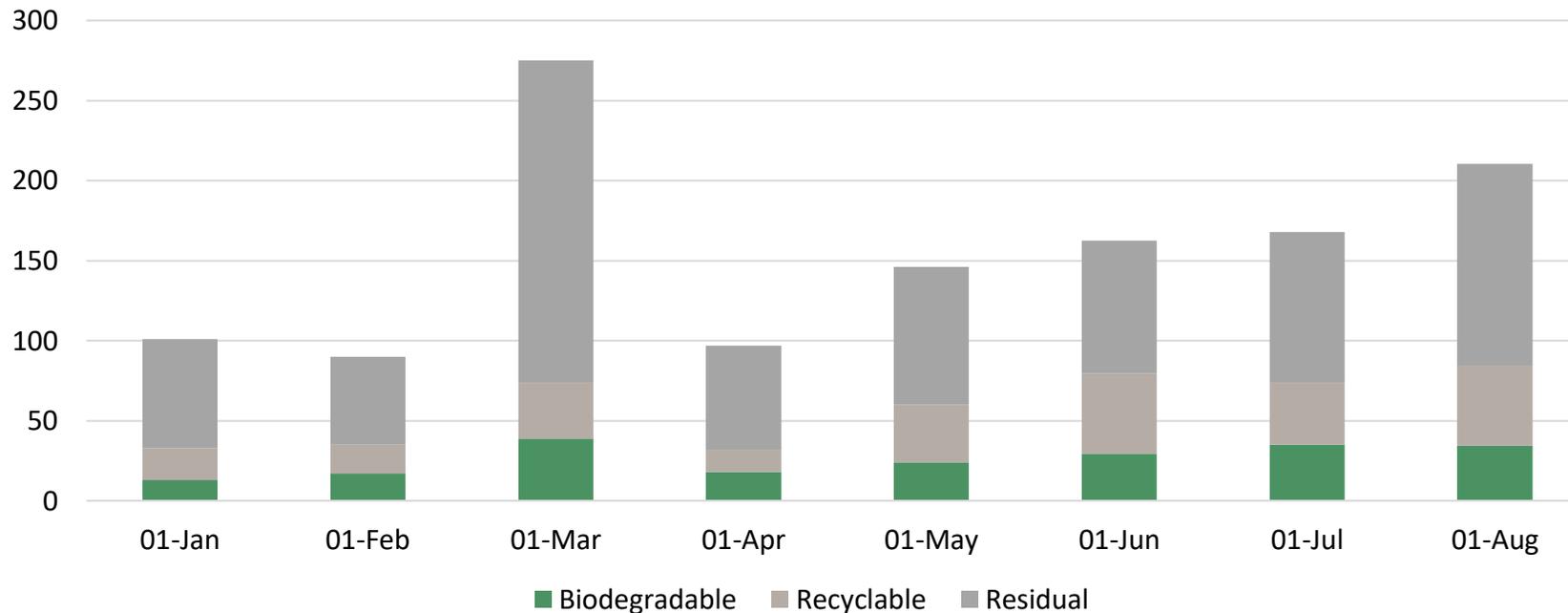
pH at Station 1 (Upper Tagpisa)



Actions Taken to the Matters Arising from the 3Q22 MRFC Meeting

Matters Arising	Actions Taken
Act on initiative regarding opening of ETF	RTN is yet to write the EMB-RO concerning the MOA creation to open the ETF Account.
Present the GLQP's solid waste generation trend in a month-to-month production basis	

2022 GLQP Waste Generation



Actions Taken to the Matters Arising from the 3Q22 MRFC Meeting

Matters Arising	Actions Taken
Mr. Magallanes suggested to provide a signage along the Macadam road that it is for hauling.	Additional signage is being fabricated. The eight (8) pieces with 6x4 feet measurement are to be installed at BCI, Airstrip Guard House, Gate 1, Petron, Sto. Niño Chapel, Bongkol-bongkol, Marabahay, Tagdalungon

PAALALA SA PUBLIKO

Ang **MACADAM ROAD**
ay **MINE HAUL ROAD**



MGA DAPAT GAWIN:

1. Sumunod sa batas trapiko.
2. Magbigay daan sa mga trucks, equipment at company vehicles.
3. Watch for street sweepers.
4. Bawal magtapon ng basura.

Actions Taken to the Matters Arising from the 3Q22 MRFC Meeting

Matters Arising	Actions Taken
For. Rivera asked for a copy of the issued permits/clearances to RTNMC in connection with the Bulanjao Expansion Project.	The Department's printer is under repair and the replacement printer is yet for installation.
The Chairperson asked the company to furnish all MRFC members a copy of the aforementioned documents.	Hence, we will share the files through google drive.
Submit copies of Certificate of Treatment upon issuance by Genetron Int'l Marketing.	Partial COTs have been forwarded by the TSD Facility. Hauling Date at RTN: September 14, 2022

Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

AEPEP	Actions Taken
<ul style="list-style-type: none">• Street sweeping at different sections of Macadam Road were ongoing however, dust emanation was observed.• The lone trained operator of the vacuum truck was absent during the monitoring.• It is recommended to train additional personnel in the operation of the vacuum truck.	<ul style="list-style-type: none">• New vacuum operator will be trained• Manual road sweeping is continuously conducted• In addition, silt scraping and bagging of accumulated soil along Macadam Road was initiated.



Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

**Mining Forest Program & NGP
Status of 2Q22 Recommendations**

Actions Validated during 3Q22

Photo Documentation

Continuous production of indigenous forest trees seedlings and bamboo propagules.

Seedling production partnership with LGU-Dumaran and 2 POs in Taytay (250,000 seedlings)



Construction of additional nursery shed with capacity of 500,000 or more potted seedlings depending on the size of polythene bag

Construction of facilities in nursery were observed during the validation:
Coffee Processing Facility
Coconet Processing Facility



Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

Mining Forest Program & NGP Status of 2Q22 Recommendations	Actions Validated during 3Q22	Photo Documentation
<p>Nursery Operation</p> <p>Production of seedlings contracted to IPs and/or people’s organization</p>	<p>On-going production of partner IP growers (200,000)</p> <ul style="list-style-type: none"> -Giane Seedlings -Jedith Seedling Grower Services 	
<p>Trial planting of earth-balled seedlings/saplings thru direct and indirect method of planting to determine which method showed high survival rate in terms of species and diameter. Earthballing of trees with diameter of 5 cm up to 15 cm. that will be affected in the mining operation is one of the terms and conditions in the issuance of tree cutting permit</p>	<p>On-going conduct of earthballing activity. Earthballed trees as of September 2022 is 2,366 of 77 species.</p> <p>Clonal Nursery: Produced 1,352 seedlings</p>	 <p style="text-align: right; font-size: small;">25 Nov 2022 3:39:38 pm</p>

Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

Mining Forest Program & NGP Status of 2Q22 Recommendations	Actions Validated during 3Q22	Photo Documentation
<p>Rehabilitation of mined-out areas Continuous maintenance and protection of rehabilitated mined-out areas as evidence of high survival rate.</p> <p>Brushing and/or removal of weeds in newly rehabilitated areas</p> <p>Continuous planting of grasses, ferns and vines in slope area / embankment</p> <p>Involvement of IP's in the maintenance activities</p>	<p>On-going conduct of care and maintenance activities such as strip brushing/weeding, soil cultivation and fertilizer application in previous rehabilitated areas. Accomplished 33.5 hectares as of October 2022.</p> <p>Care and maintenance activities are performed by partner IP communities.</p> <p>On-going backfilling and top soil matting of mined-out areas for rehabilitation/planting this year (GP-K23 and MP-P17)</p>	 

Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

Mining Forest Program & NGP Status of 2Q22 Recommendations	Actions Validated during 3Q22	Photo Documentation
<p>Bamboo Plantation</p> <p>Established bamboo plantation in So. Tagpisa, Ocayan showed low survival rate and stunted growth.</p> <p>Yellowing of leaves of planted bamboo seedlings is a sign of low soil nutrient</p> <p>Small portion of the area was maintained (strip brushed and cultivated)</p> <p>Engagement of IP's/PO in the seedling production and out planting of bamboo propagules</p>	<p>On-going conduct of strip brushing, soil and cultivation and fertilizer application. Accomplished 18.43 hectares as of October 2022.</p> <p>Care and maintenance activities are being performed by IP partner community.</p>  <p>Plantable size of bamboo seedlings are observed in nursery.</p>	  

Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

Mining Forest Program & NGP Status of 2Q22 Recommendations

Mangrove Rehabilitation Project

The company collaborated with the CENRO in identifying denuded mangrove area in Barangay Buliluyan with an initial area of 15 hectares.

IEC was jointly conducted by the company and CENRO and had already signed an agreement with the community resident thru Family Approach.

At present more than 40 has. denuded mangrove areas was identified and extended up to Barangay Puring

Actions Validated during 3Q22

New mangrove plantation of 28.0 hectares in Buliluyan and 19.0 in Puring with 28 family beneficiaries and 19 family beneficiaries, respectively. Released Php687,375.00 financial assistance.



Meeting with the beneficiaries on project management of mangrove.

Photo Documentation



Compliance to the 3Q22 MMT Field Findings, Observations and Recommendations last November 21 –

Mining Forest Program & NGP Status of 3Q22 Recommendations	Actions Taken	
<p>Rehabilitation of mined out areas Backfilling needs to be completed on November 30, 2022 and planting by December 31, 2022</p>	<p>The backfilling is completed and planting is ongoing.</p>	
<p>Nursery Operation Continue to cure/harden the seedlings. Start the seedling production in partner communities in Taytay and Dumarán.</p>	<p>The MOA signing with partners tentatively on December 19</p> <ol style="list-style-type: none"> 1. Dumarán MLGU 2. Bato Multi-Purpose Cooperative (Taytay) 3. Malampaya Pancol Multi-Purpose Cooperative <p>New group among the IPs in Rizal also committed a 60 hectares with initial 37,500 seedling production</p>	
<p>Coffee Plantation Commence the mechanized coffee processing</p>		



RIO TUBA NICKEL

2022 4Q Accomplishments

**MPSA No. 114-98-IV Amended I
Nickel Mining Project**

This material is **CONFIDENTIAL** and contains company property information. Recipient shall not disclose this material or any portion thereof, directly or indirectly, or use it in any way other than as duly authorized.

NAC
NICKEL ASIA CORP.

Environmental Fu Management



Anniversary Deposit of FMRDP Fund

Year: 2022

Amount: PhP 34,456,803.10

Date: November 18, 2022



Development Bank of the Philippines
TRUST BANKING GROUP
Sen. Gil Puyat Ave. cor. Makati Ave., Makati City
NON-VAT REG. TIN: 000-449-609-000

ORIGINAL

OFFICIAL RECEIPT

TS-
No. 0046713

000000046713

Date: 11/18/2022

DEPARTMENT/BRANCH: DBP - TRUST SERVICES DEPARTMENT		CENTER CODE 310884	ACCOUNT NO. 0405-018007-030
NAME: RIO TUBA NICKEL MINING CORPORATION - FMRDP			
Payor: RIO TUBA NICKEL MINING CORPORATION - FMR			
Fresh Fund		PARTICULARS	TOTAL PHP *34,456,803.10*
Remarks: Contribution			
Received the amount of:		Teller's Signature:	
THIRTY-FOUR MILLION FOUR HUNDRED FIFTY-SIX THOUSAND EIGHT HUNDRED THREE AND 10/100 ONLY.		DBP-TBG	
		Machine Validation:	
If By Check	[] Cash	[] Check	REC'D PAYMENT & VALIDATED BY
Drawee Bank	Number	Date	11/18/2022
SBC FORT BONIFA	0005053088	11/16/2022	AUTHORIZED SIGNATURE

200 LOOSE (50 X 4) SERIAL NO. TS-0045001 - TS-0055000
BIR Authority to Print No.: 8AU000351634 Date Issued: July 15, 2019 Valid Until: July 14, 2024
PRINTER : APO Production Unit, Inc.
ADDRESS: PIA Bldg., Visayas Avenue, Drgy. Vaaara, Quezon City
TIN: 000-396-233-000

Permit No.: LTAD-1-LL/CS-0307-00028 OCS # 01203
Date: March 28, 2007
BIR Accreditation No.: 038MP201900000000107
Date Issued: January 15, 2019

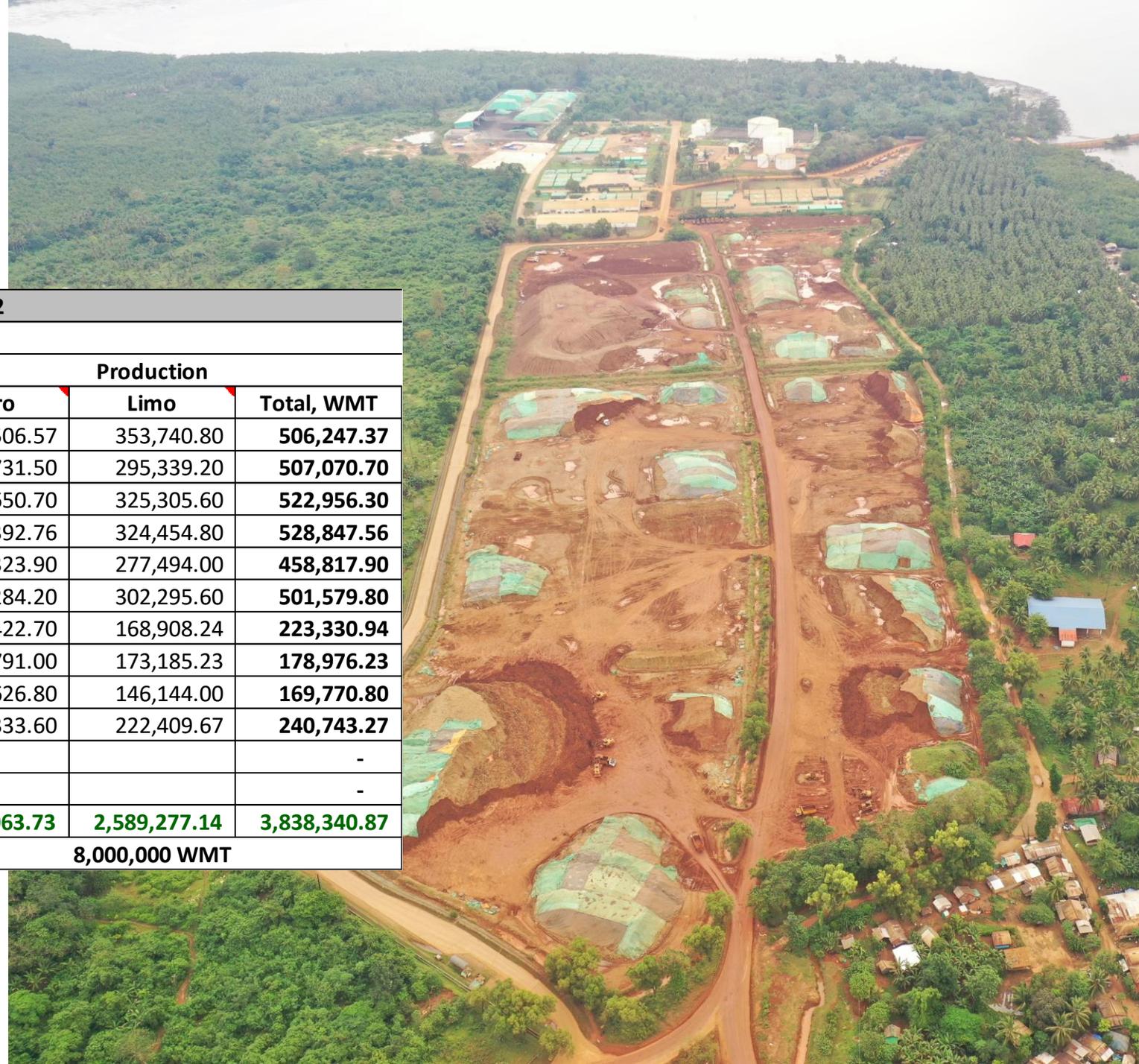
(E & OE SUBJECT TO AUDIT)

"THIS DOCUMENT IS NOT VALID FOR CLAIM OF INPUT TAXES"

"THIS OFFICIAL RECEIPT SHALL BE VALID FOR FIVE (5) YEARS FROM THE DATE OF ATP"

MANDATORY ENVIRONMENTAL MANAGEMENT COMPLIANCE REQUIREMENTS – AEPEP 2022

Production



Summary of Production for 2022

Month	Nickel					
	Extraction/Moved			Production		
	Sapro	Limo	Total, WMT	Sapro	Limo	Total, WMT
January	186,389.64	353,740.80	540,130.44	152,506.57	353,740.80	506,247.37
February	245,243.32	300,694.80	545,938.12	211,731.50	295,339.20	507,070.70
March	134,978.25	331,563.60	466,541.85	197,650.70	325,305.60	522,956.30
April	170,698.38	324,454.80	495,153.18	204,392.76	324,454.80	528,847.56
May	193,950.35	284,589.60	478,539.95	181,323.90	277,494.00	458,817.90
June	281,201.68	302,916.00	584,117.68	199,284.20	302,295.60	501,579.80
July	82,953.18	169,917.44	252,870.62	54,422.70	168,908.24	223,330.94
August	27,437.33	184,092.03	211,529.36	5,791.00	173,185.23	178,976.23
September	27,510.20	88,030.80	115,541.00	23,626.80	146,144.00	169,770.80
October	25,906.00	229,963.97	255,869.97	18,333.60	222,409.67	240,743.27
November			-			-
December			-			-
Total	1,376,268.33	2,569,963.84	3,946,232.17	1,249,063.73	2,589,277.14	3,838,340.87
Limit	10,000,000 WMT			8,000,000 WMT		

Land Resource

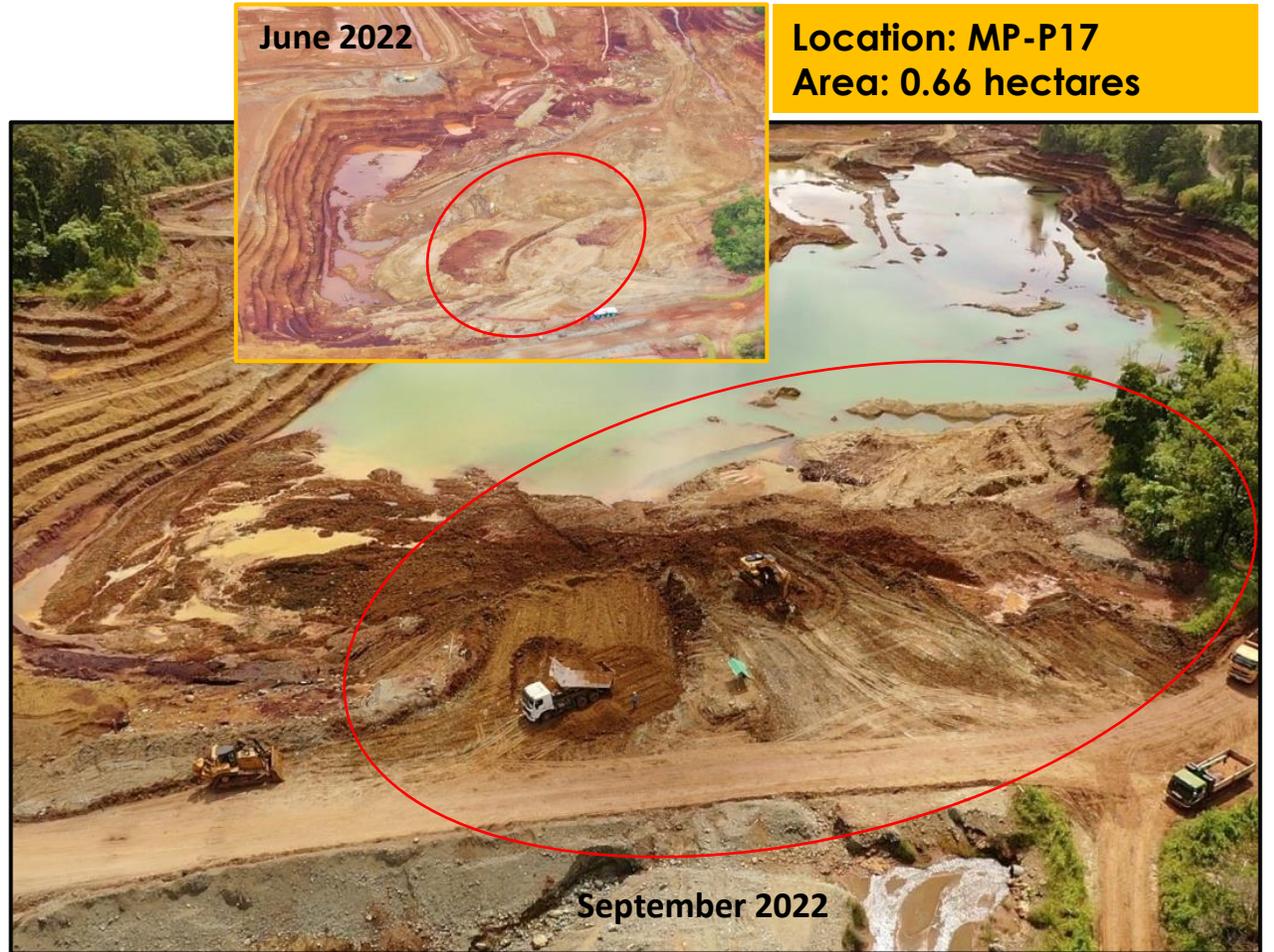
December 2021

Location: GP-K23/K24
Area: 1.57 hectares



June 2022

Location: MP-P17
Area: 0.66 hectares



Land Resource



Land Resource



Mining Forest Program



Land Resource

Strip Brushing/Weeding, Location: MP-M18/N18, GP-J24/J23



25 Nov 2022 3:11:01 pm



7 Dec 2022 3:40:25 pm

8°33'56"N, 117°25'0"E
accuracy: 6m



Altitude
99 m

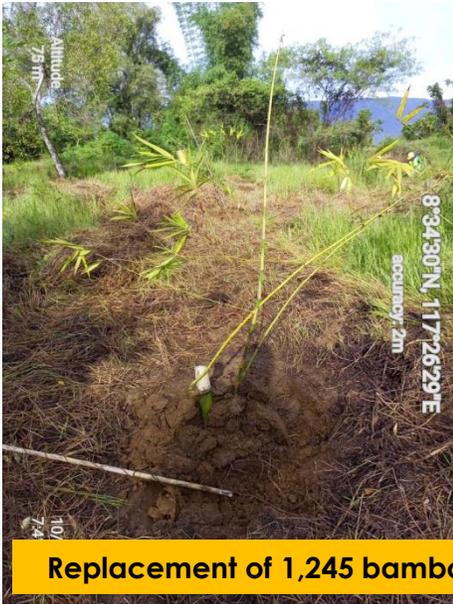
10/1/22
8:39 AM

Soil cultivation, Enrichment Planting; Location: GP-G20



Fertilizer application; Location: GP-G20

Land Resource



Partner community conducting care and maintenance of bamboo plantation

Replacement of 1,245 bamboo culms ; Strip brushing (Location: Bamboo Plantation)



Grasscutting, Coffee picking, Sundrying of coffee beans (Location: Coffee Plantation)

Land Resource

Preparation of chambers
(clonal planting)



Planted germlasm

10 Dec 2022 7:33:19 am
Rio Tuba
Palawan
Mimaropa

Earth-balling activities



accuracy: 25ft

10/21/22

Sorting of dead and survive earthballed trees



8°38'30"N, 117°22'52"E

accuracy: 11ft

10/24/22

Measurement of DBH

Land Resource

Nursery Operations



- 1. Dumarang MLGU
- 2. Bato Multi-Purpose Cooperative (Taytay)
- 3. Malampaya Pancol Multi-Purpose Cooperative (Taytay)



Land Resource



Coffee Processing Area

As of September 2022



As of December 2022

10 Dec 2022 6:58:48 am

Nursery Operations



Coconet Processing Facility

As of November 2022



As of December 10, 2022

10 Dec 2022 6:47:27 am

Land Resource

Nursery Operations



Water Resource & Quality



Date: May 05, 2022

Permit No.: DP-R4B-22-02800
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 Rio Tuba Nickel Mining Corporation with office address at Rio Tuba, Bataraza, Palawan for its establishment:

Rio Tuba Nickel Mining Corporation
TIN No. 000-142-865-00000

Rio Tuba BATARAZA

- This permit is issued to Rio Tuba Nickel Mining Corporation Station 7 Discharge Point through the series of retention ponds namely: a. Lower Topgon Siltation Pond with a capacity of 126,000 cubic meters; and b. Lower Kinurong Siltation Pond with a capacity of 88,200 cubic meters.
- The permit holder shall ensure that discharge rate of the effluent from the retention ponds 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	Chromium	0.1 mg/L

* Reference for effluent parameters: DAO 2016-06, PSIC Code - 07204

- 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 accessible port for water sampling activity of the Siltation Ponds 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.
- Provide flow-measuring device at influent and effluent sides of your Siltation Ponds within thirty (30) days upon receipt of this permit. Submit report/proof of compliance within fifteen (15) days upon completion of the said activity.



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

Protect the environment... Protect life.



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

Protect the environment... Protect life.

- Submit Wastewater Discharge Permit Application for your other outfall/outlet within thirty (30) days upon receipt hereof, if any.
- The permit holder shall allow entry to the said facility/establishment and provide immediate, safe and adequate access to authorized representative/s of the DENR – EMB for the purpose of environmental inspection and water sampling.
- This permit, together with the corresponding Official Receipts of Payment, shall be adequately framed and posted in a conspicuous place of the plant/establishment
- This permit shall be renewed thirty (30) days prior to its expiration.

This permit is valid up to **May 05, 2023**, unless revoked or suspended by this Office in writing.

Non-compliance with the above conditions and/or any pertinent provisions of RA 9275 otherwise known as "Philippine Clean Water Act of 2004", a corresponding penalty in the amount of P10,000-P200,000 per violation shall be imposed.

Recommended by:

Approved by:

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

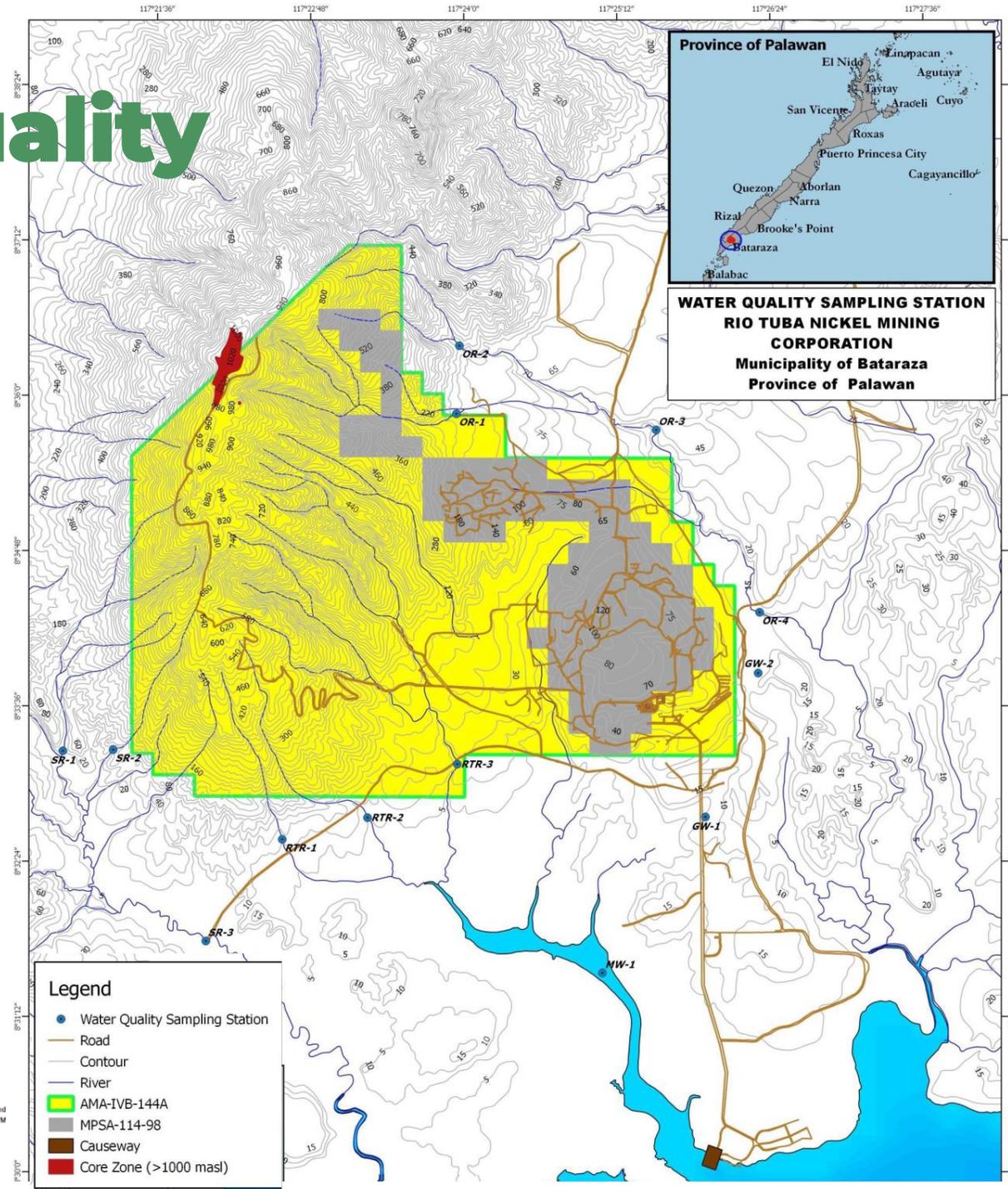
JOE AMIL M. SALINO
Regional Director

Permit Fee
Water Discharge Fee
Filing Fee
PD1856
Documentary Stamp Tax

P/Php 3300.00
P/Php 72708.96
P/Php 55.00
P/Php 10.00
P/Php 30.00

O.R. No. : 7658455
O.R. No. : 7658455
O.R. No. : 7658177
O.R. No. : 7658177
O.R. No. : 7658177

Date : March 3, 2022
Date : March 3, 2022

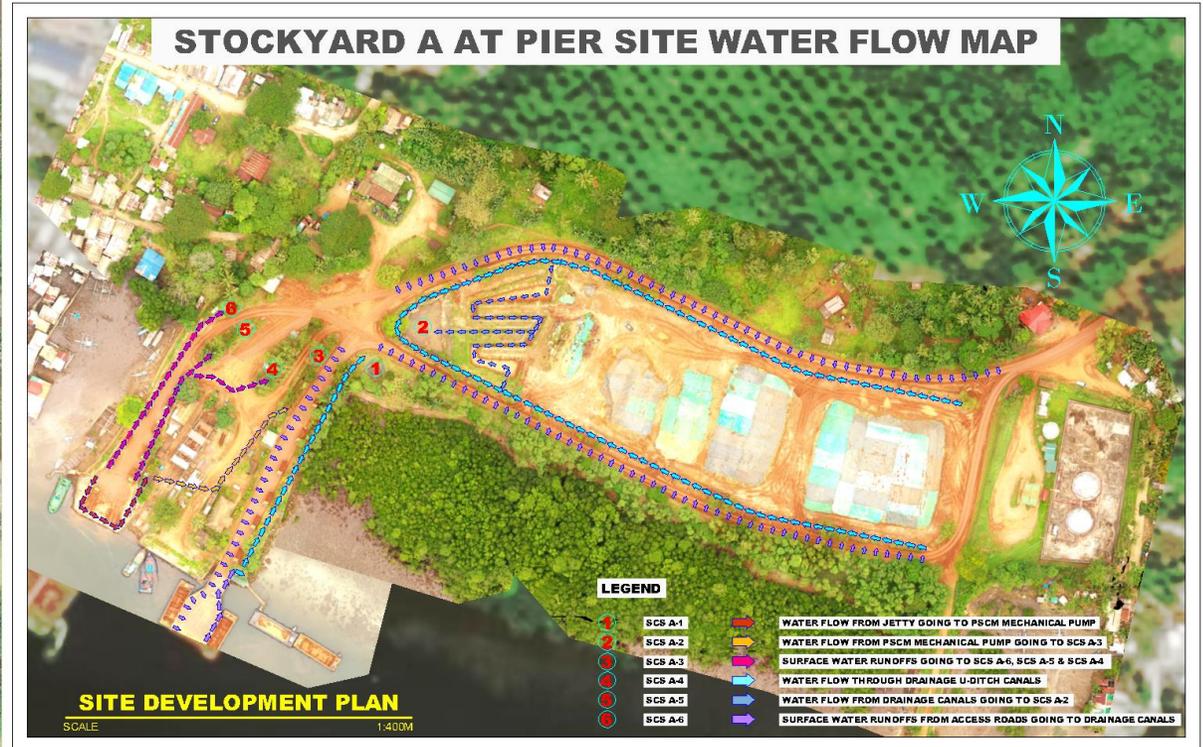
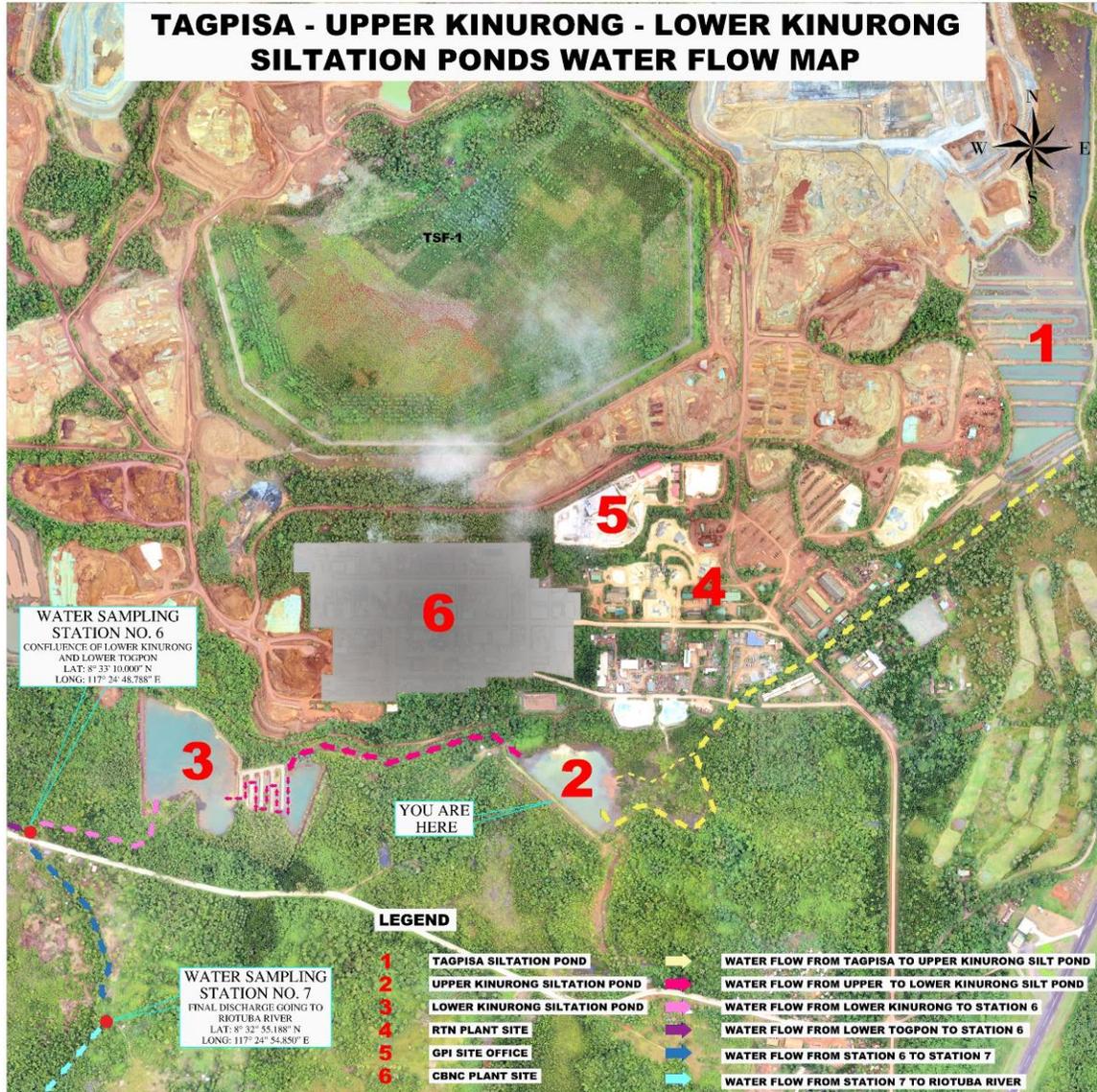


WATER QUALITY SAMPLING STATION
RIO TUBA NICKEL MINING CORPORATION
Municipality of Bataraza
Province of Palawan

Legend

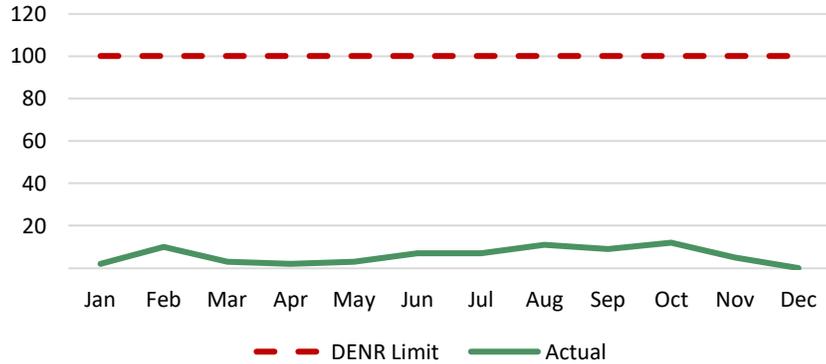
- Water Quality Sampling Station
- Road
- Contour
- River
- AMA-IVB-144A
- MPSA-114-98
- Causeway
- Core Zone (>1000 masl)

Water Resource & Quality



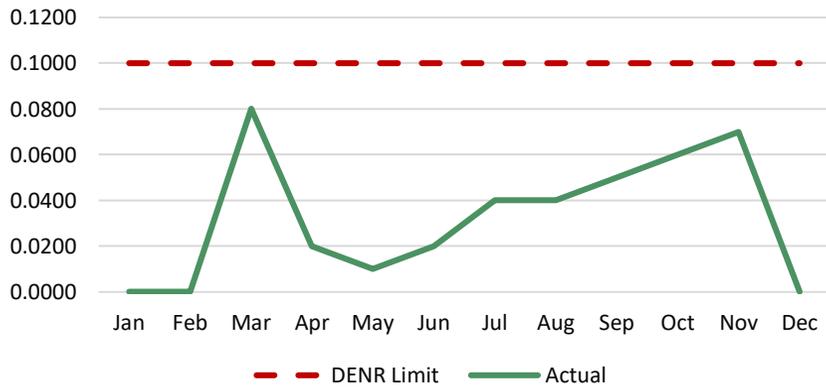
Water Resource & Quality

RTN-NI 2022 WATER QUALITY MONITORING



Total Suspended Solids (TSS), mg/L

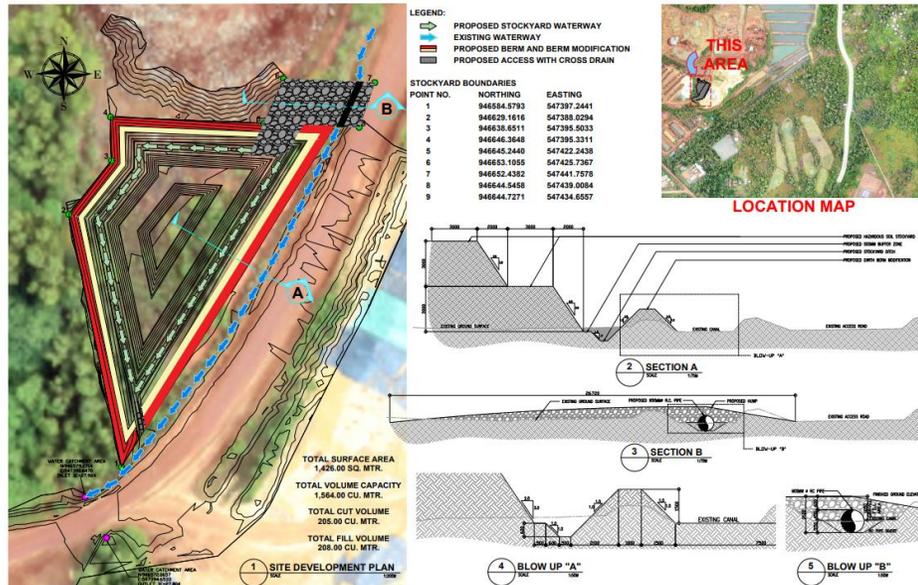
RTN-NI 2022 WATER QUALITY MONITORING



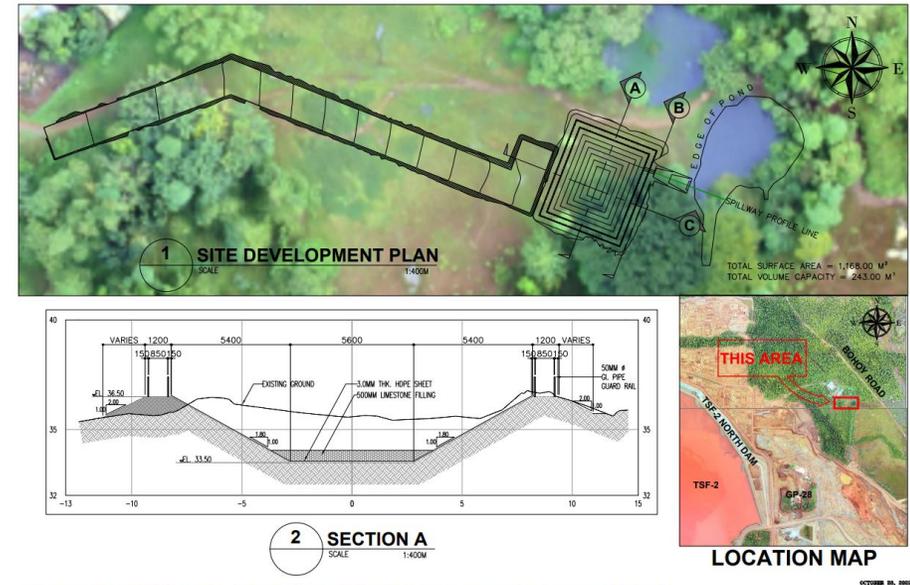
Hexavalent chromium (Cr6+) level, mg/L



Water Resource & Quality



PROPOSED CONSTRUCTION OF HAZARDOUS SOIL STOCKYARD
RIO TUBA, PALAWAN



PROPOSED CONSTRUCTION OF ALTERNATIVE TREATMENT FACILITY FOR SLUDGE AND SEPTAGE
RIO TUBA, PALAWAN

Water Resource & Quality

Waste Management

- HazWaste Generator's ID: OL-GR-R4B-53-002354



Water Resource & Quality

Waste Management

GENETRON INTERNATIONAL MARKETING

425 TUBAW STREET, SULUCAN, ANGAT, BULACAN
Reference No.: OL-TR-R3-14-000031

CERTIFICATE OF TREATMENT

COT-R3-2022-12-178134

This is to certify that the hazardous waste/s of **RIO TUBA NICKEL MINING CORPORATION (OL-GR-R4B-53-002354)** with address **Mine Complex, Rio Tuba, BATARAZA, PALAWAN**, as per Permit to Transport No. **OL-PTT-R3-14-034498** and Manifest No. **M-R4B-2022-09-178134**, has/have been properly treated/stored/disposed/export, with details indicated below:

Waste Information		
Waste Code	Waste Description	Volume Received on Manifest
I101	Used industrial oil including sludge	5 MT
Treatment History		
Treatment Date	Method/s	Volume (MT)
November 17, 2022	Recycling	5
Total:		5 MT

Received on: **October 25, 2022 - 05:32 PM**

RIO R. ADRIANO
Pollution Control Officer

GENETRON INTERNATIONAL MARKETING

425 TUBAW STREET, SULUCAN, ANGAT, BULACAN
Reference No.: OL-TR-R3-14-000031

CERTIFICATE OF TREATMENT

COT-R3-2022-12-178138

This is to certify that the hazardous waste/s of **RIO TUBA NICKEL MINING CORPORATION (OL-GR-R4B-53-002354)** with address **Mine Complex, Rio Tuba, BATARAZA, PALAWAN**, as per Permit to Transport No. **OL-PTT-R3-14-034498** and Manifest No. **M-R4B-2022-09-178138**, has/have been properly treated/stored/disposed/export, with details indicated below:

Waste Information		
Waste Code	Waste Description	Volume Received on Manifest
I101	Used industrial oil including sludge	2 MT
Treatment History		
Treatment Date	Method/s	Volume (MT)
November 17, 2022	Recycling	0.8
November 17, 2022	Thermal Oxidation/Reduction, Physico-Chemical Treatment	1.2
Total:		2 MT
Waste Information		
Waste Code	Waste Description	Volume Received on Manifest
I104	Oil-contaminated Materials	1.78 MT
Treatment History		
Treatment Date	Method/s	Volume (MT)
November 17, 2022	Thermal Oxidation/Reduction	1.78
Total:		1.78 MT

Received on: **October 25, 2022 - 05:33 PM**

RIO R. ADRIANO
Pollution Control Officer

GENETRON INTERNATIONAL MARKETING

425 TUBAW STREET, SULUCAN, ANGAT, BULACAN
Reference No.: OL-TR-R3-14-000031

CERTIFICATE OF TREATMENT

COT-R3-2022-12-178137

This is to certify that the hazardous waste/s of **RIO TUBA NICKEL MINING CORPORATION (OL-GR-R4B-53-002354)** with address **Mine Complex, Rio Tuba, BATARAZA, PALAWAN**, as per Permit to Transport No. **OL-PTT-R3-14-034498** and Manifest No. **M-R4B-2022-09-178137**, has/have been properly treated/stored/disposed/export, with details indicated below:

Waste Information		
Waste Code	Waste Description	Volume Received on Manifest
I101	Used industrial oil including sludge	5 MT
Treatment History		
Treatment Date	Method/s	Volume (MT)
November 17, 2022	Recycling	5
Total:		5 MT

Received on: **October 25, 2022 - 05:32 PM**

RIO R. ADRIANO
Pollution Control Officer

Air Quality Management



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-2022-07636-R
Application Type: Renewal

Date Issued: 21 Sep 2022
Date Expiration: 21 Sep 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:

Rio Tuba Nickel Mining Corporation (Rio Tuba Nickel Mining Corporation) Rio Tuba, Rio Tuba, Bataraza, Palawan

subject to the following terms and conditions:

TERMS AND CONDITIONS

- This permit is issued for the permittee to operate its One (1) unit 90.4 kW Caterpillar Diesel Generator Set, One (1) unit 120.0 kW Bradford Generator Set, One (1) unit 60.0 kW Cummins Generator Set, One (1) unit 168.0 kW Sandvik Crusher, One (1) unit 194.0 kW Terex Portable Crusher, One (1) unit 143.0 HP Isuzu Diesel Engine, One (1) unit 143.0 HP Isuzu Diesel Engine, One (1) unit 160.0 kW Perkins Diesel Generator Set, Four (4) units 12.0 kW Denyo Welding Generator Set, Five (5) units 5.0 HP Robin Gasoline Engine, Two (2) units 7.45 kW Kubota Diesel Engine, One (1) unit 12.0 kW Denyo Diesel Welding Set, Three (3) units 6.0 kW Kubota Diesel Engine, One (1) unit 1200.0 kW Caterpillar Diesel Generator Set, One (1) unit 1,077,147.0 Liters Diesel Fuel Storage Tank, One (1) unit 1,711,018.0 Liters Diesel Fuel Storage Tank, One (1) unit 420,033.0 Liters Diesel Fuel Storage Tank, One (1) unit 250.0 TPH Fixed Grizzly, One (1) unit 55.0 kW Yaskawa Ammonia Compressor, One (1) unit 2.2 kW Ryowo Motor Cooling Tower, One (1) unit 86.0 Liters/min Biobase Fume Hood and One (1) unit 1000.0 CFM Fume Hood at the permittee's establishment.
- Unless suspended or sooner revoked by this office, this Permit shall be valid for a period of five (5) years from the date of its issuance, as indicated by the issue and expiry dates of the Permit.
- During this period of validity, the Bureau may modify the Permit by amending any existing condition or imposing any new or additional condition, subject to the provisions of Rule XIX of the Implementing Rules and Regulations (IRRs) of Republic Act 8749 (RA 8749).
- This Permit shall be posted in a conspicuous location at the premises, and shall be adequately framed or otherwise protected against damage.
- The operation of any installation, process or activity at this establishment that produces, generates, captures, treats, reduces, controls, emits, releases or disperses air pollutants without a valid Permit to Operate, or in violation of any of the conditions of this Permit, shall be subject to penalties of not less than Ten Thousand Pesos (P10,000.00) and not more than One Hundred Thousand Pesos (P100,000.00), pursuant to Rule LVI of the Implementing Rules and Regulations of RA 8749.
- The One (1) unit 90.4 kW Caterpillar Diesel Generator Set, One (1) unit 120.0 kW Bradford Generator Set, One (1) unit 60.0 kW Cummins Generator Set, One (1) unit 168.0 kW Sandvik Crusher, One (1) unit 194.0 kW Terex Portable Crusher, One (1) unit 143.0 kW Sandvik Soreener, One (1) unit 143.0 HP Isuzu Diesel Engine, One (1) unit 160.0 kW Perkins Diesel Generator Set, Four (4) units 12.0 kW Denyo Welding Generator Set, Five (5) units 5.0 HP Robin Gasoline Engine, Two (2) units 7.45 kW Kubota Diesel Engine, One (1) unit 12.0 kW Denyo Diesel Welding Set, Three (3) units 6.0 kW Kubota Diesel Engine, One (1) unit 1200.0 kW Caterpillar Diesel Generator Set, One (1) unit 1,077,147.0 Liters Diesel Fuel Storage Tank, One (1) unit 1,711,018.0 Liters Diesel Fuel Storage Tank, One (1) unit 420,033.0 Liters Diesel Fuel Storage Tank, One (1) unit 250.0 TPH Fixed Grizzly, One (1) unit 55.0 kW Yaskawa Ammonia Compressor, One (1) unit 2.2 kW Ryowo Motor Cooling Tower, One (1) unit 86.0 Liters/min Biobase Fume Hood and One (1) unit 1000.0 CFM Fume Hood stack shall be maintained and operated by the permittee so that emissions of air pollutants are kept at a practicable minimum. The permittee shall be responsible for ensuring that any emissions of air pollutants therefrom, including fugitive or uncontrolled emissions or releases of air

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PD1856	: P1p 10.00	O.R. No. : 7658888 / 7658022 / 7659121	Date : Sept. 13, 2022
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pollutants from abnormal or unexpected events, do not cause air pollution in the surrounding air environment or have adverse effects on persons in that environment.

- Without limiting the generality of the previous condition, the permittee shall ensure that the emissions from the permitted installations and processes comply with:
 - The National Emission Standards for Source Specific Air Pollutants as specified in Rule XXV of the IRRs of RA 8749;
 - The National Ambient Air Quality Standards for Source Specific Air Pollutants from Industrial Sources/Operations as specified in Rule XXVI of the IRRs of RA 8749; and
 - The emission limits specified in Permit condition No. 13.

Otherwise, any exceedance of the above-mentioned standards shall be subject to the imposition by the Pollution Adjudication Board (PAB) of fine of not more than One Hundred Thousand Pesos (P100,000.00) for every day of violation until such time that the standards have been complied with.

- 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
- The permittee shall at all times have an appointed or designated Pollution Control Officer (PCO) who shall be the day-to-day point of contact between the Bureau and the establishment. The permittee shall ensure that the PCO is familiar with the operations and activities undertaken at the establishment, and the relevant emission sources and air pollution control devices and equipment. The permittee shall give the PCO the necessary authority to take or to direct corrective action in the event that results in excessive emissions or emissions that do not comply with relevant Permit conditions, emission standards or ambient air quality standards.
- The permittee shall report in writing to the Bureau any malfunction, accident, breakdown, leak, spill or other abnormal or unexpected event which results in emissions to atmosphere that do not comply with relevant Permit conditions, emission standards or ambient air quality standards, or in any other abnormal or unexpected releases of air pollutants. The report shall indicate the nature of the accident or event, its impact to emissions, the time period involved, and any actions of measures taken to control the emissions or releases, remedy any air pollution problems that may have occurred, and minimize the probability of a recurrence of the event or the release.
- The permittee shall at all times allow authorized or accredited officers of the Department or the Bureau entry to the establishment to conduct inspections, gather information, test emissions or take samples. The permittee and its personnel shall not obstruct such officer in the performance of these functions, and shall furnish any information or materials requested by them that is reasonable for them to have. The permittee shall obey any lawful instruction or direction given by an authorized or accredited officer of the Department or the Bureau at all times.
- The permittee shall not make or allow any alterations or modifications to operations, activities, installations, processes, plant or equipment at the establishment that might substantially change the nature or quantity of the associated emissions without obtaining the approval of this office, including the obtaining of any necessary Permit to Operate.
- The permittee shall ensure that the concentrations of the emissions from the stacks serving the generator sets and the boiler described in this permit shall not exceed the following limits:

Parameter	Standard
Nitrogen Oxides	2000 milligrams per cubic meter, corrected to 25 degrees Celsius, one atmospheric pressure and a dry gas basis expressed as NO ₂
Carbon Monoxide	500 milligrams per cubic meter, corrected to 25 degrees Celsius, one atmospheric pressure and a dry gas basis expressed as CO
- The permittee shall provide and maintain emission sampling ports, sampling platforms and safe access to those sampling ports and platforms for all stacks of the air pollution source equipment involved for testing.
- The permittee shall include in its submission of its quarterly Self-Monitoring Reports to the Bureau:
 - detailed fuel purchase or delivery records of each type of fuel used (Bunker and Diesel) for that quarter; and
 - fuel certificates or the results of the fuel analysis of each fuel used (Bunker and Diesel) for that quarter.
- The permittee shall burn only Diesel Fuel in all the generator sets. Any alteration on Fuel usage should be first approved by the Bureau.
- Without the prejudice to the regular monitoring by this office, the permittee shall sample and analyze the emissions of the One (1) unit 90.4 kW Caterpillar Diesel Generator Set, One (1) unit 120.0 kW Bradford Generator Set, One (1) unit 60.0 kW Cummins Generator Set, One (1) unit 168.0 kW Sandvik Crusher, One (1) unit 194.0 kW Terex Portable Crusher, One (1) unit 143.0 kW Sandvik Soreener, One (1) unit 143.0 HP Isuzu Diesel Engine, One (1) unit 160.0 kW

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Perkins Diesel Generator Set, Four (4) units 12.0 kW Denyo Welding Generator Set, Five (5) units 5.0 HP Robin Gasoline Engine, Two (2) units 7.45 kW Kubota Diesel Engine, One (1) unit 12.0 kW Denyo Diesel Welding Set, Three (3) units 6.0 kW Kubota Diesel Engine, One (1) unit 1200.0 kW Caterpillar Diesel Generator Set, One (1) unit 1,077,147.0 Liters Diesel Fuel Storage Tank, One (1) unit 1,711,018.0 Liters Diesel Fuel Storage Tank, One (1) unit 420,033.0 Liters Diesel Fuel Storage Tank, One (1) unit 250.0 TPH Fixed Grizzly, One (1) unit 55.0 kW Yaskawa Ammonia Compressor, One (1) unit 2.2 kW Ryowo Motor Cooling Tower, One (1) unit 86.0 Liters/min Biobase Fume Hood and One (1) unit 1000.0 CFM Fume Hood within three (3) months after the issuance of this permit. Thereafter, emission tests should be conducted once per year (every year). The Emission Test Reports should be submitted to this office for evaluation of compliance with the emission standards within thirty (30) days after the completion of the activity. All source testing should be conducted in accordance with the Bureau-approved methods of sampling for each parameter measured as stipulated in the Implementing Rules and Regulations of the Philippine Clean Air Act of 1999.

- The permittee shall ensure that the operation of the facility must not exceed the following limits of the National Ambient Air Quality Standards for Source Specific Air Pollutants from Industrial Sources/Operations:

Sulfur Dioxide	340 micrograms per cubic meter for an average sampling time of sixty (60) minutes
Particulates	200 micrograms per cubic meter for an average sampling time of sixty (60) minutes
- Without prejudice to the monitoring undertaken by EMB, the permittee shall sample during actual process operations and analyze the parameters stated in the previous condition in the ambient air quality of the area within the calendar year of the issuance of this permit in accordance with the methods specified in the IRR of RA 8749. The stations established for the monitoring should comply with siting criteria for point source ambient air quality monitoring. The report of the said monitoring should be submitted to this office for evaluation of compliance with the emission standards within thirty (30) days after the completion of the activity. The results shall form part and shall be included in module in air quality of the quarterly SMRs to be submitted as required in Condition No. 8 of this permit. This requirement shall be repeated at annual interval (once a year).
- The permittee should ensure that any stack tests by an accredited third party tester and should be witnessed by at least one (1) representative from this office in order to observe and audit the test, ensure it is conducted appropriately and confirm that the source or process is operating at a representative or agreed rate or load during the actual test and/or audit. The test and/or audit plan should be submitted to this office one (1) month prior to the scheduled date of the test for review, evaluation, and approval by this office.
- 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:

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

JOE AMIL M. SALINO
Regional Director

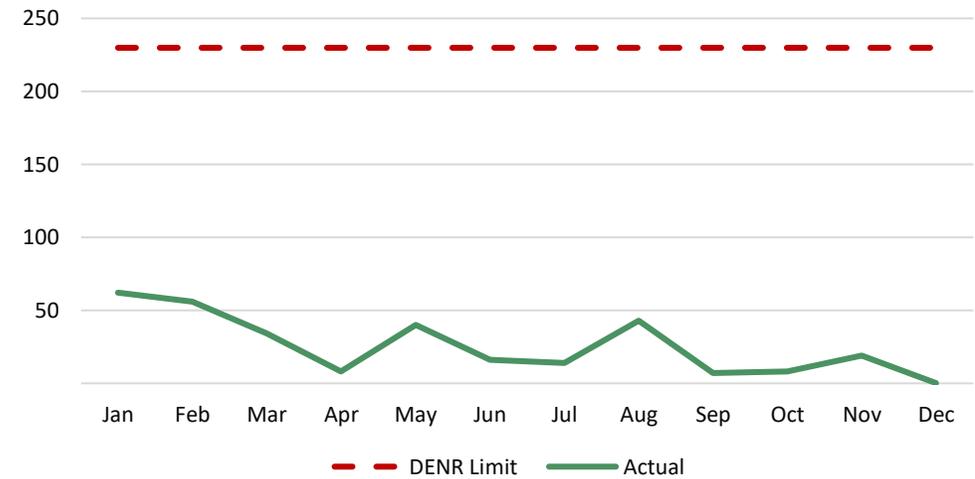
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Air Quality Management

RTN-NI 2022 AIR QUALITY MONITORING



Conservation Values



25 Nov 2022 10:03:05 am

**UIGRBS PAMB Meeting and Bataraza FMC Meeting
November 25, 2022**



12/10/22 02:06 PM



12/10/22 08:27 AM

**Aquatic Resource Assessment
December 9-13, 2022**

Conservation Values



Release of financial assistance to 19 family beneficiaries in Puring and 18 families in Rio Tuba

Conservation Values



Site inspection/validation of mangrove refo project in Buliluyan and Puring

Conservation Values

IP Month Celebration at Golden Park, Mangingidong Rehabilitation Area
October 13, 2022



Research & Development

**A BASELINE OF THE BULANJAO RANGE & ENVIRONS:
GEOLOGY, MINERALOGY, HYDROGEOCHEMISTRY, &
ENVIRONMENTAL GEOLOGY**
by the Geoscience Foundation, Inc.



**Development and Testing of a Cr+6
Drinking Water Filter**
by the Geoscience Foundation, Inc.



**Data collection Morphological and
Anatomical Characterization of Selected
Hyperaccumulator Plants in Two Types of
Ultramafic Soils in Palawan Island last
October 24-25**

**Carbon Emissions from Land Use Change in Nickel
Mining by UPLBFI**



**Land Function Analysis
by MGB Central Office**



Others

Monitoring & Validations



MMT Validation & Inspection; MRFC Meetings



Others

General Monitoring, Audits and Linkages



**MARPOL Landbased Audit
by PCG**

PMIEA Validation

Others



7th EIA Summit and PCAPI MIMAROPA General Assembly on Dec. 1 & 2, 2022



Special Internal Audit

Trainings & Seminars



AEPEP Workshop

Issues

What: Grounding incident of R/T Tugboat "C"
Where: Rio Tuba Navigational Waters
Details: **CHRONOLOGY OF EVENTS**

October 11 - Tuesday at 1920H

October 15 – Reported to RTN

October 16 – Conducted verification

October 17 – Submitted Report to MGB & MMT

October 19 – MGB conducted investigation

October 21 – Composite investigation by MENRO,
PCSCS, CENRO, Coast Guard thru Mayor Ibba

November 3 – Meeting with PGENRO & Municipal LGU





RIO TUBA NICKEL

2022 4Q Accomplishments

**MPSA No. 213-2005-IVB
Gotok Limestone Quarry Project**

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Land Resource

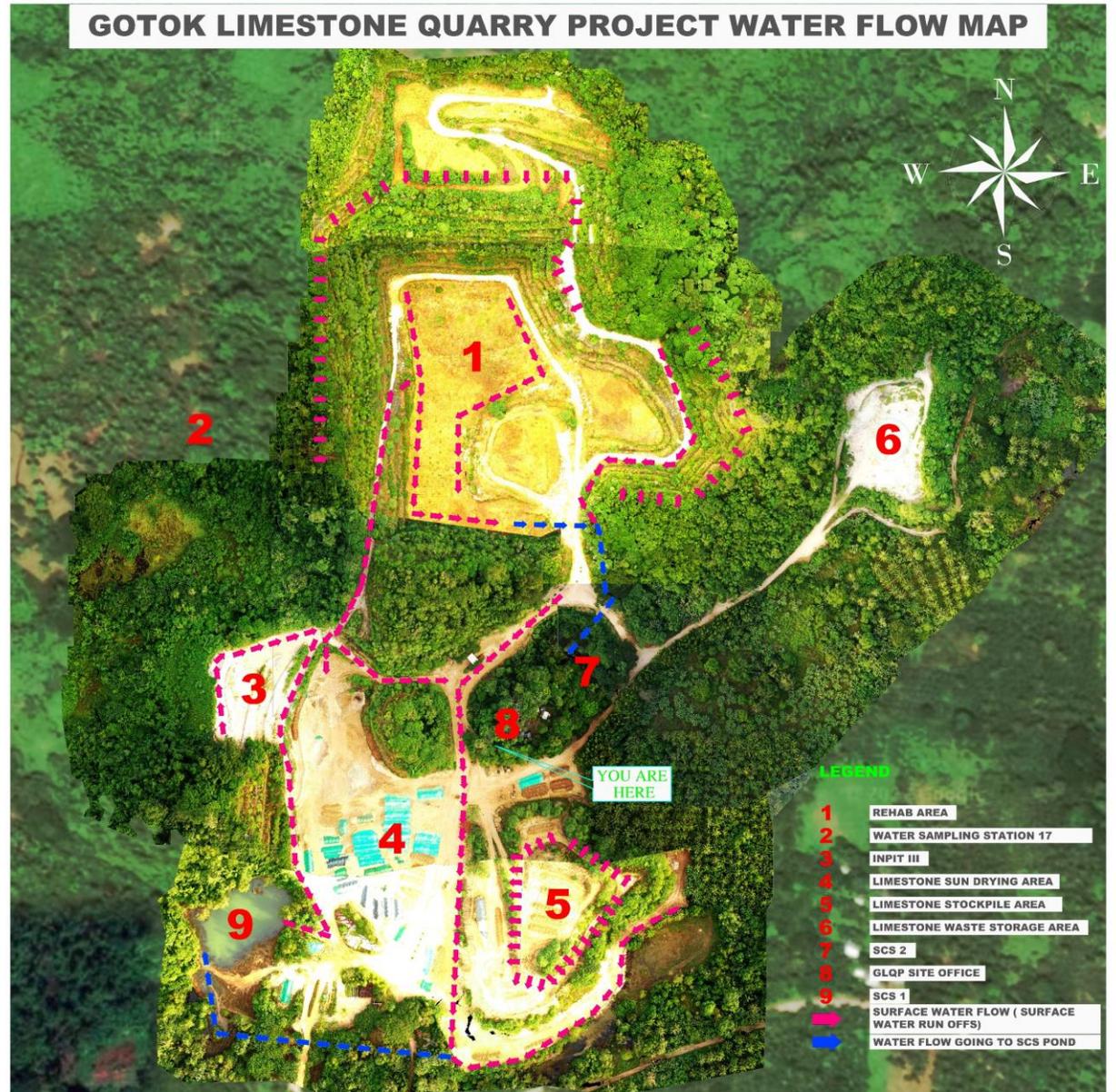


Water and Air

Water Quality Monitoring



Road water spraying with Community Carts



Others



Pedology by Gaia South, Inc.



12/05/2022 08:14



Flora & Fauna Assessment



RIO TUBA NICKEL

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**Merry
Christmas!**



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Drone Photos



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