



2Q2022 MMT

CORAL BAY NICKEL

CORPORATION

August 23-24, 2022



RTN



SUMMARY OF THE COMPLIANCE OF CORAL BAY NICKEL CORPORATION

COMPLIANCE TO PD 1586

(PHILIPPINE ENVIRONMENTAL IMPACT ASSESSMENT SYSTEM)

Proponent: **CORAL BAY NICKEL CORPORATION**
Project Name: Lines 1 and 2 of CBNC Hydrometallurgical Processing Plant Project
Location: Brgy. Riotuba, Bataraza, Palawan

| ENVIRONMENTAL LAW | PERMITS | PERMIT NO. | DATE OF ISSUANCE |
|-------------------|---------|-------------------|-------------------|
| PD 1586 | ECC 1 | ECC-0701-002-3721 | February 15, 2008 |
| | ECC 2 | CO-1806-0014 | December 20, 2018 |

COMPLIANCE TO PD 1586

(PHILIPPINE ENVIRONMENTAL IMPACT ASSESSMENT SYSTEM)

FINDINGS AND OBSERVATIONS

- The project have a valid Pollution Control Officer.
- All conditions stipulated in the ECC are complied.
- Submission of required reports such as Compliance Monitoring Report (CMR) are submitted on time to EMB online system.

PHOTOS DURING INSPECTION



Site Safety Orientation





Inspection on site



INSPECTION ON SITE

COMPLIANCE TO RA 8749

PHILIPPINE CLEAN AIR ACT

| ENVIRONMENTAL LAW | PERMITS | PERMIT NO. | DATE OF ISSUANCE | DATE OF EXPIRATION |
|----------------------|-------------------|-------------------------|--------------------|--------------------|
| RA 8749 | Permit to Operate | PTO-OL-R4B-2021-02519-R | April 26, 2021 | April 26, 2023 |
| | | 2019-POA-D-0453-168 | September 09, 2019 | March 21, 2023 |
| | | 2018-POA-D-0453-168 | September 17, 2018 | September 17, 2023 |

COMPLIANCE TO RA 8749

PHILIPPINE CLEAN AIR ACT

FINDINGS AND OBSERVATIONS

- On the time of inspection, Equipment's are in normal condition
- Self Monitoring Reports are submitted on time.
- Conditions stipulated in the Permit to Operate are complied.
- The project have valid Permit to Operate for their Air Pollution Sources however it was observed that the equipment's which emits particulate matters due to its process such as the in the Ore Preparation Area components and the Limestone Process should also register to Permit to Operate.

PARTICULATE MATTER (PM10) SAMPLING

MMT FOR CBNC

3rd Quarter 2022 Air Quality Monitoring

| Data | Station | Sampling | | | Flow Rate | | Sampling | Barometric Pressure | Air Temp | PM10 | Standard | Remarks |
|------|----------------|-------------|----------|----------|-----------|-------|----------|---------------------|----------|--------|----------|---------|
| | | | | | Initial | Final | Time | | | | | |
| No. | No. | Date | Time | | Lpm | Lpm | minutes | mmHg | ° C | µg/Nm3 | µg/Nm3 | |
| 1 | Tagpisa | 24-Aug-2022 | 03:32 PM | 04:32 PM | 16.70 | 16.70 | 60 | 748 | 29.7 | 5 | 200 | Passed |
| 2 | Upper Kinurong | 24-Aug-2022 | 1359H | 1459H | 16.70 | 16.70 | 60 | 748 | 32.5 | 15 | 200 | Passed |
| 3 | GSSI Compound | 22-Aug-2022 | 1351H | 1451H | 16.70 | 16.70 | 60 | 744 | 26.6 | 18 | 200 | Passed |

AMBIENT AIR SAMPLING

MMT NO_x & SO_x

Sampling Date : **August 23, 2022**

| STATIONS | | Sampling Conducted | Sampling Time | Flow rate (VR, Lit/min) | | Temp | Atmospheric Pressure | Wind | Wind | Sampling & Analysis Results | | Remarks |
|------------------------------|----------------|--------------------|---------------|-------------------------|-------|-------|----------------------|-----------|-------------|-----------------------------|-------------|---------|
| No. | Description | | | Initial | Final | (°C) | (mmHg) | Direction | Speed (m/s) | SO2, µg/Nm3 | NO2, µg/Nm3 | |
| Clean Air Act Standard-----> | | | | | | | | | 340 | 260 | | |
| S2 | TAGPISA | NOx & SOx | 1010H-1110H | 0.5 | 0.5 | 31.1 | 758.20 | SSE | 0.9 | 13.1 | 0.96 | PASSED |
| S3 | UPPER KINURONG | NOx & SOx | 1423H-1523H | 0.5 | 0.5 | 32.20 | 757.1 | SSE | 2.1 | 12.0 | 0.97 | PASSED |



PHOTOS DURING AIR SAMPLING

COMPLIANCE TO RA 9275

PHILIPPINE CLEAN WATER ACT

| ENVIRONMENTAL LAW | PERMITS | PERMIT NO. | DATE OF ISSUANCE | DATE OF EXPIRATION |
|----------------------|---------------------|---------------------|------------------|--------------------|
| RA 9275 | Discharge Permit | DP-R4B-18- 00203 | July 20, 2018 | July 20,2023 |

COMPLIANCE TO RA 9275

PHILIPPINE CLEAN WATER ACT

FINDINGS AND OBSERVATIONS

- Tailing Storage Facility (TSF) # 2 is currently operating and with valid Discharge Permit.
- Provision of Systematic drainage system equipped with automatic PH Monitoring are observed.
- Centralized Command and Control System for Environmental Concern are properly maintained and directly monitor.
- Environmental Unit is established, however, the PCO Accreditation of some MEPEO are expired and subjected for renewal.
- Conditions stipulated in the Discharge Permit are complied.
- For the wastewater diagrams, the Oil & Water Separator should also be included and reflected, so that the correct sequencing of treatment process can easily determine.

WATER SAMPLING FOR CBNC

Sampling date: August 24, 2022

| Parameters | Station No./ Station Identification | | Water Quality Criteria (DAO 2016-08) Class C | REMARKS |
|------------------------------|-------------------------------------|---|---|-------------------------------|
| | S1A | S12 | | |
| Station ID | IBELNAN INTAKE DAM | CORAL BAY (RECEIVING WATER OF CBNC EFFLUENT) | | |
| Time | 0654H | 0737H | | |
| Weather Condition | Cloudy | Cloudy | | |
| Water Appearance | Clear | Clear | | |
| pH | 8.83 | 7.81 | 6.5-9.0 | Within the Criteria |
| DO, mg/L | 14.50 | 6.03 | Minimum 5, (samples should be taken from 9:00 AM to 4:00 PM) | |
| Temperature, °C | 23.24 | 29.85 | 25-31 | Within the allowable criteria |
| Hexavalent Chromium (Cr6+) | <0.01 | <0.01 | 0.01 | passed |
| TDS, g/L | 0.137 | 26.5 | | |
| Cond, µs/cm | 0.211 | 43.4 | | |
| Salinity, ppt | 0.1 | 27.9 | | |
| Turbidity, NTU | - | 2.9 | | |
| ORP, mV | 303 | 292 | | |
| Total Suspended Solids (TSS) | 1.0 | <1.0 | 80 | Passed |
| Arsenic (As) | <0.0007 | <0.0007 | 0.02 | Passed |
| Cadmium (Cd) | <0.003 | <0.003 | 0.005 | Passed |
| Lead (Pb) | <0.01 | <0.01 | 0.05 | Passed |
| Manganese (Mn) | 0.005 | 0.008 | 0.02 | Passed |
| Iron(Fe) | 0.28 | 0.22 | 1.5 | Passed |
| Nickel (Ni) | <0.02 | <0.02 | 0.2 | Passed |

WATER SAMPLING FOR CBNC

Sampling date: August 24, 2022

| Parameters | Station No/ Station Identification | Water Quality Criteria (DAO 2016-08) Class C | REMARKS |
|------------------------------|---|---|--|
| | E | | |
| Station ID | SUPERNATANT WATER SAMPLING PORT AT CAUSEWAY | | |
| Time | 0807H | | |
| Weather Condition | Cloudy | | |
| Water Appearance | Clear | | |
| pH | 7.34 | 6.5-9.0 | Passed |
| DO, mg/L | 4.69 | Minimum 5 (samples should be taken from 9AM to 4PM) | Result is lower than the accepted criteria, however this is not a significant parameters |
| Temperature, °C | 30.09 | 3 (°C Change) | Passed |
| TDS, g/L | 2.34 | | |
| Conductivity, µs/cm | 3.65 | | |
| Salinity, ppt | 1.9 | | |
| Turbidity, NTU | 17.9 | | |
| ORP, mV | 262 | | |
| Total Suspended Solids (TSS) | 10 | 100 | Passed |
| Arsenic (As) | <0.0007 | 0.04 | Passed |
| Cadmium (Cd) | <0.003 | 0.01 | Passed |
| Lead (Pb) | <0.01 | 0.1 | Passed |
| Manganese (Mn) | 0.666 | 4 | Passed |
| Nickel (Ni) | 0.06 | 0.3 | Passed |
| Chemical Oxygen Demand (COD) | 38 | 200 | Passed |
| Copper (Cu) | <0.005 | 0.04 | Passed |
| Iron (Fe) | 0.85 | 7.5 | Passed |
| Mercury (Hg) | <0.0004 | 0.004 | Passed |
| Selenium (Se) | <0.0002 | 0.2 | Passed |
| Zinc (Zn) | 0.016 | 1.5 | Passed |



Aug 24, 2022 at 6:45:13 AM
DENR EMB MIMAROPA



Aug 24, 2022 at 8:25:36 AM
DENR EMB MIMAROPA

PHOTOS DURING WATER SAMPLING

COMPLIANCE TO RA 6969

TOXIC SUBSTANCES AND
HAZARDOUS AND NUCLEAR
WASTES

| ENVIRONMENTAL LAW | PERMITS | PERMIT NO. | DATE OF ISSUANCE | DATE OF EXPIRATION |
|----------------------|------------------------------------|---------------------------|--------------------|--------------------|
| RA 6969 | Hazardous Waste Generator ID | OL-GR-R4B- 53-005264 | September 24, 2020 | |
| | Transporter Registration | OL-TP-R3-69- 000129 | December 20, 2021 | December 20, 2022 |
| | TSD Registration | OL-TR-R3-69- 000094 | December 20, 2021 | December 20, 2022 |
| | CCO Registry | COR-CEN-CR- 2022-00086 | March 10, 2022 | |

COMPLIANCE TO RA 6969

TOXIC SUBSTANCES AND HAZARDOUS AND NUCLEAR WASTES

FINDINGS AND OBSERVATIONS

- The project have an Online Hazardous Waste Generator ID.
- During the inspection at the site, it was observed that no hazardous waste label on the vessel which are located beside their site MRF and were collected by their personnel day by day.
- At their designated hazardous waste storage facility, good housekeeping and proper storing are observed. However, the approved hazardous waste ID are not posted in the HWG Bulletin Board and Dates on their hazardous waste inventory board was not also updated.
- Provision of fire extinguishers, eye wash and emergency contact numbers are observed in the area.



Hazardous waste storage beside the MRF on site



Designated Hazardous waste storage area



A photograph of a hazardous waste inventory billboard mounted on a white wall. The billboard is divided into two main sections. The left section is a table titled 'HAZARDOUS WASTE STORAGE B' with columns for HW, QTY, UNIT, and REMARKS. The right section contains several smaller charts and documents, including an 'EMERGENCY RESPONSE FLOW CHART', 'EPRP', 'EMERGENCY CONTACT NUMBER', and 'SDS'.

| HW | QTY | UNIT | REMARKS |
|------------------------|-------|------|---------|
| 1104 Coal Bag | 5.12 | | |
| 9299 Used Filter Cloth | 9.87 | | |
| 1101 Used Oil | 43.56 | TON | |
| 1101 Grease | | | |
| C399 Antiox Brakes | 0.90 | | |

Hazardous waste inventory billboard



Inspection at CBNC



THANK YOU

