



Republic of the Philippines  
**Department of Environment and Natural Resources**  
MIMAROPA Region

PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

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June 27, 2022

**MEMORANDUM**

**FOR** : The Regional Executive Director  
DENR MIMAROPA Region  
1515 L&S Bldg., Roxas Blvd.  
Ermita, Manila

: The Regional Director  
MGB –MIMAROPA Region  
1515 L&S Bldg., Roxas Blvd.  
Ermita, Manila

: The Regional Director  
DENR-EMB- MIMAROPA Region  
1515 L&S Bldg., Roxas Blvd.  
Ermita, Manila

**FROM** : Provincial Environment and  
Natural Resources Officer

**SUBJECT** : **SUBMISSION OF 2<sup>ND</sup> SEMESTER 2021 MMT COMPLIANCE  
MONITORING AND VALIDATION REPORT (CMVR) FORM  
ANNEX B FOR GRAYMONT PHILIPPINE INC.**

Forwarded is the Memorandum dated 11 May 2022 of CENRO Brooke's Point endorsing the attached copies of 2<sup>nd</sup> Semester 2021 Multi-Partite Monitoring Team (MMT) Compliance Monitoring and Validation (CMVR) form Annex B, for Lime Milk Plant Project of Graymont Philippines Inc. (GPI).

Further, please be informed that this Office was excluded from the members of the MMT per previous memorandum of that Office, hence we only rely on reports being submitted and no direct participation on the ground inspection conducted. Clarifying item 11.2. Establishing of centralized management and coordinating mechanism of DENR Admin. Order No. 2018-18 dated August 15, 2018 with regards to MMT activity/s and our participation for our guidance.

For information and record.

DENR-PALAWAN  
PENRO-RECORDS  
**RELEASED**  
By \_\_\_\_\_  
Date: 15 JUL 2022

  
FELIZARDO B. CAYATOC



May 11, 2022

**MEMORANDUM**

**FOR :** The Regional Executive Director  
DENR MIMAROPA Region  
1515 L&S Building  
Roxas Blvd., Ermita, Manila

The Regional Director  
MGB MIMAROPA Region

The Regional Director  
EMB MIMAROPA Region

**THRU :** The Provincial Environment and  
Natural Resources Officer  
Sta. Monica, Puerto Princesa City

**FROM :** The OIC, Community Environment and  
Natural Resources Officer

**SUBJECT : SUBMISSION OF 2<sup>nd</sup> SEMESTER 2021 MMT COMPLIANCE  
MONITORING AND VALIDATION REPORT (CMVR) FORM ANNEX  
B FOR GRAYMONT PHILIPPINES INC.**

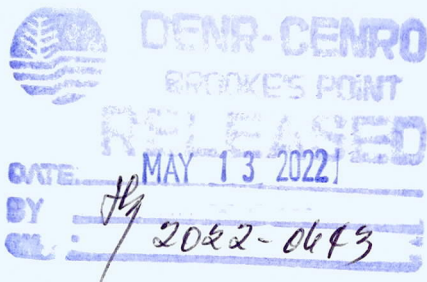
Furnished herewith are copies of the aforementioned 2<sup>nd</sup> semester 2021 Multi-Partite Monitoring Team (MMT) Compliance Monitoring and Validation Report CMVR Form Annex B for Lime Milk Plant Project of Graymont Philippines Inc. (GPI).

The monitoring and validation activities conducted on November 15-20, 2021 and February 21-26, 2022 included documentary review of compliance of the company with the commitments and conditionalities stipulated in their ECC, EPEP, DENR permits and SEP Clearance, actual field validations and sampling activities. Said monitoring and validation activities were attended by representatives from concerned government agencies/organizations and the company. The Monitoring and validation activities for this semester was headed by Supervising Science Research Specialist Joel V. Balquiedra of MGB MIMAROPA.

Results of monitoring and validations show that the company is generally compliant with the commitments and conditionalities stipulated in their documentary licenses/clearances/permits. Implementations of certain activities/operations were still affected by the restrictions and safety protocols brought about by Covid-19 pandemic although other activities are still being implemented per schedule if possible.

For her information and record.

CONRADO M. CORPUZ





## MMT COMPLAINE MONITORING AND VALIDATION REPORT (CMVR) FORM FOR MINING INDUSTRIES

**GRAYMONT (PHILIPPINES) INC. (FORMERLY UNICHAMP MINERAL PHILIPPINES, INC.)**  
**Rio Tuba Export Processing Zone, Brgy. Rio Tuba, Bataraza, Palawan**

**DATE OF COMPLIANCE MONITORING AND VALIDATION:** November 15-21, 2021 and February 21-26, 2022

**MONITORING PERIOD COVERED:** July to December 2021      **Quarter/Semester Year:** 2<sup>nd</sup> Semester 2021

### I. BASIC INFORMATION:

#### Graymont (Philippines) Inc.

ECC Control No./Reference Code No.	:	ECC No. 1205- 0009
Date ECC Issued	:	July 19, 2012
Project Current Name	:	GRAYMONT (PHILIPPINES) INC.
Project Name in the ECC	:	Lime Milk Processing Plant Project
Project Status	:	Operational
Geographical Coordinates of the Project	:	X: 8°33'33.562"/8°33'42.702" north Y: 117°25'21.688" / 117°25'34.157" east
Proponent Name	:	Mr. Rommel A. Ibuna
Proponent Contact Person/Position	:	President
Proponent Mailing Address	:	Graymont (Philippines) Inc. Unit 3004, 30th Floor, NAC Tower Building, 32nd Street, Bonifacio Global City, Taguig City
Proponent Telephone No./Fax No.	:	+632 552 2651
Proponent Email Address	:	enquiry@graymont.com.ph
MMT Contact Person/Position	:	Joel V. Balquiedra/Supervising Science Research Specialist
MMT Mailing Address	:	Mines and Geosciences Bureau, MIMAROPA Region
MMT Telephone No./Fax No.	:	+639088940858
MMT Email Address	:	Joel.balquiedra@mgb.gov.ph

### II. EXECUTIVE SUMMARY

REQUIREMENT		COMPLIED ?		Remarks/ECC or EPEP Condition #
		Yes	No	
Compliance with ECC Conditions/ Commitments	Validity	✓		ECC No. 1205- 0009 issued on July 19, 2012
	Project coverage/limits/Components	✓		Land Area : <b>8.06 hectares</b> Annual Production: 134,000 – 147,000 Calcium Oxide (CaO) equivalent to 167,000-187,000 MT of hydrated lime.  Components: Equipment's - Two (2) Unit of Vertical double



REQUIREMENT		COMPLIED ?		Remarks/ECC or EPEP Condition #
				Shaft Kilns <ul style="list-style-type: none"> <li>- Two(2) sets of Cyclone and Dust Collector (Filter house)</li> <li>- Four (4) Unit of Storage Silo</li> <li>- Two (2) units of Lime milk Plant equipped with individual silo</li> <li>- Two (2) lines of Limestone feeding System w/individual stockpile and sprinkler</li> <li>- (1) one unit of Pet Coke Grinding machine</li> </ul> Hydrated Lime plant <ul style="list-style-type: none"> <li>- -Water sedimentation pit</li> <li>- -Lime milk Pipeline and backup pipeline to CBNC receiving tank</li> <li>- (3) three sets Conveyor</li> </ul>
	EMP and updates as deemed necessary	✓		Certificate of Approval for the 2021 Annual Environmental Protection and Enhancement Program (AEPEP) issued by the MGB IV-B on January 29, 2021
	Conduct of compliance and Impact Self-Monitoring	✓		Environmental Monitoring activities per approved AEPEP are continuously being implemented.
	Regular reporting of Self-Monitoring Results by the Project Proponent	✓		The 3rd Quarter and 4th Quarter Self-Monitoring Report were submitted to EMB MIMAROPA Region on October 15, 2021 and 15 January 2022, respectively.
	Other sectoral requirements mandated by other agencies to be complied with	✓		<ul style="list-style-type: none"> <li>• Business Permit- March 26, 2015</li> <li>• Permit to Operate – 2015-POA-D-0453-695 Date Issued: Sept.28,2015</li> <li>• Permit to Operate-Petrol Station 2017-POA-D-0453-894 Date Issued: August 22,2017</li> <li>• Discharge Permit No.2017-DP-PAL-02-224 With online application to DENR-EMB ( Control # 31847 )</li> <li>• Hazardous Waste Generator Permit: Generator ID :GR-4B-53-00025</li> <li>• Mineral Processing Permit application MPP-NO-15-2014 –IVB (1st Renewal) Date Issued: November 27, 2020</li> <li>• Environmental Protection and Enhancement Program COA No. 126-2018-05 Date issued: January 10, 2018</li> <li>• Strategic Environmental Plan (SEP)</li> </ul>



REQUIREMENT		COMPLIED ?		Remarks/ECC or EPEP Condition #
				Clearance No. LPP-012712-005 (approved last January 27, 2012)
Compliance with EPEP Commitments	Implementation of Environmental Impact Control Strategies	✓		Implementation of Environmental control measures / commitments included in the approved 2021 AEPEP are continuous.
	Safety	✓		The 2021 Annual Safety and Health Program for the project were approved by the MGB MIMAROPA Region with COA No. SHP – 2021 – MIMAROPA - 04
	Rehabilitation	✓		The Company also has recently completed the rehabilitation of 30 hectares mangrove rehabilitation project. The Company entered a Memorandum of Agreement (MOA) with the Rio Tuba Mangrove Ecosystem Developers, Inc. and Community Environment and Natural Resources of Brooke's Point Palawan for the rehabilitation of 30 hectares mangrove denuded areas in Brgy. Sarong, Bataraza, Palawan on October 24, 2018. The rehabilitation activity was completed on the first quarter of 2020. Maintenance, patrolling and monitoring works are continuously implemented to date to ensure high survival rate of the project as recommended by the Department of Environment and Natural Resources (DENR). This project is in support to the National Greening Program (NGP) initiative by the Philippine Government particularly by the DENR Office in restoring mangrove denuded areas in the province of Palawan affected by the illegal cutting activities before and also to contribute for the carbon sequestration program. The mangrove site is now under maintenance and protection.
Compliance with SDMP Commitments		✓		The Five Year Social Development and Management Program (SDMP) covering the period 2020-2024 was approved by the MGB dated February 4, 2020. SDMP 2021 was approved dated January 29, 2021 with CoA ASDMP # 2021-06-

REQUIREMENT		COMPLIED ?		Remarks/ECC or EPEP Condition #
				MIMAROPA (2 <sup>nd</sup> ).
Complaints Management	Complaint receiving set-up	✓		The Company is religiously implementing environmental, safety and health, and community related programs to prevent any complaints from the employees and nearby communities. Nevertheless, the Company implement appropriate actions and solution when there are potential complaints. For 2 <sup>nd</sup> Semester 2021, no complaints received.
	Case investigation	✓		
	Implementation of Control Measures	✓		
	Communication with the complainant/public	✓		
	Compliant documentation	✓		
Accountability - qualified personnel are charged with the routine monitoring of the project activities in terms of education, training, knowledge and experience of the environmental team		✓		The Health, Safety and Environment (HSE) Department is composed of technically competent personnel.
Others, please specify		-	-	None

### III. PROCESS DOCUMENTATION OF ACTIVITIES UNDERTAKEN

Activities	Date Conducted	MMT Members Involved	Methodology/Other Remarks
Document Review of:			
- Compliance with ECC Conditions/Commitments	November 15-19, 2021 and February 21-26, 2022	All MMT members. Please see signatures below.	Covers data review per submitted accomplishment reports, actual field validation, consolidation of data, preparation of compliance reports and discussion of field findings and observations during the exit meeting.
- Compliance with EPEP & SDMP Commitments			
- Compliance with DENR Permits Conditionalities			
- Compliance with SEP Clearance Conditionalities			
Site Validation – Ocular			
Site Validation - Confirmatory Sampling (if conducted)	MMT Regular Sampling Activities for 3Q2021 and 4Q2021 were conducted on 19-24 July 2021 and	MMT Sampling Team	



	15-20 November 2021 respectively		
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## IV.COMPLIANCE MONITORING RESULTS AND DISCUSSIONS

## A. Compliance to Project Location and Coverage Limits (as specified in ECC and/or EPEP)

Parameter	Specification (specify if in ECC or EPEP)	Within Specs?		Remarks-Description of Actual Implementation
		Yes	No	
Project Location (indicate geographic coordinates)	Rio Tuba Export Processing Zone X: 8°33'33.562"/8°33'42.702" north Y:117°25'21.688" / 117°25'34.157" east	✓		Based on the Environmental Impact Statement System (EIS) study
Project Area (ha)	8.06 hectares	✓		The project is operating within 8.06 hectares leased area.
Capital Costs	Approximately USD 16.15 Million (PhP 694.45 Million at PhP 43/US\$1).	✓		The capital cost estimate for the development of the proposed plant.
Type of Minerals	Limestone	✓		Milk of Lime
Mining method(s)	Mineral Processing Plant	✓		Lime milk processing method
Production	Annual Production capacity does not exceed 134,000-147,000 MT of Calcium Oxide (CaO) and 167,000-187,000 MT of Calcium Hydrated lime	✓		<b>July to December 2021:</b> Production: <b>44,820.26 MT</b> Calcium Hydroxide <b>48,176.14 MT</b> Calcium Oxide
Mill/Processing Plant	Lime Milk Processing Plant	✓		
Mine Life	The project is solely mineral processing and that there will be no mining to be conducted, progressive rehabilitation will not be applicable.	✓		N/A
Mineral Reserves/Resources	RTNMC Gotok Quarry Site with 213-2005-IVB (MPSA of RTNMC)  Due to limited availability of raw materials (limestone) from Gotok, Graymont is outsourcing raw materials (limestone) from Bohol.	✓		Limestone supply agreement with Graymont and RTNMC

Access/Transportation	Road and Air Access Transportation	✓	<p>Approximately 236 km from Puerto Princesa City and about five (5) to six (6) hours by land.</p> <p>The Graymont plant site is approximately 9.5 km from the limestone quarry site in Gotok.</p> <p>There is also an existing airstrip located in Barangay Rio Tuba. This is primarily for the use of RTNMC. The runway is 1,700 m long by 30 m beside the Macadam road.</p>
Power Supply	The entire Graymont plant is rated at an estimated 2,750 KWh and is expected to consume 14.1 million KWh per year.	✓	Graymont sources its power requirements directly from CBNC's onsite power plant.
Mining Equipment	<ul style="list-style-type: none"> <li>• Vertical double shaft kilns (quicklime/calcinations plants) 2 x 200 MT/day;</li> <li>• Lime milk plants 2 x 280 MT/day;</li> <li>• Limestone feeding system (tunnel type) 2 lines;</li> <li>• Hydrated lime plant (5MT per hour);</li> <li>• Warehouse and grinding/milling machines for fuel (coal or pet coke) preparation (10 MT per hour);</li> <li>• Water Sedimentation pit; and</li> <li>• Lime Milk Pipeline and backup pipeline to the CBNC Receiving Tank.</li> </ul>	✓	
Workforce	As of December 2021, Graymont Philippines, Inc. has 45 employees.	✓	<p>51.11% (24) of Graymont employees are from Barangay Rio Tuba, Bataraza;</p> <p>8.89 % (4) from other Barangays within Bataraza;</p> <p>20.00% (9) from other Municipalities within Palawan while the remaining</p> <p>20.00% (9) are from other places</p>



				outside of Palawan.
Development/Utilization Schedule		✓		
Other Components				

## B. Review & Validation of Proponent's Self-Monitoring Reports

### B1. COMPLIANCE TO ECC CONDITIONS

ECC CONDITIONS	COMPLIED?		PROOF OF COMPLIANCE/Remarks
	Yes	No	
<b>I. CONDITIONS</b> <b>ENVIRONMENTAL MANAGEMENT</b> All commitments, mitigating measures and monitoring requirements, contained in the Environmental Impact Statement (EIS) for the proposed Lime Milk Plant Project, particularly in the Environmental Management and Monitoring Plan (EM MoP), including the modifications and additional information as approved by the EMB, shall be instituted to minimize any adverse impact of the project to the environment throughout its implementation, including the following:  1. Conduct an effective Information, Education and Communication (IEC) Program to Inform and educate all stakeholders, especially its contractors, workers, and local residents about the mitigating measures embodied in its EIS, the conditions stipulated in this Certificate and the environmental and human safety features of the project for greater awareness, understanding and sustained acceptance of the project;	✓		<p>Certificate of Approval for the 2021 Annual Environmental Protection and Enhancement Program (AEPEP) issued by the MGB IV-B on January 29, 2021.</p> <p>All activities in the submitted AEPEP were generally implemented.</p> <p>Part of the approved 2021 programs is IEC Plan. For this semester, various IEC activities were conducted within plant site especially COVID and Safety and Health related.</p> <p>The Company has Community Relations and Social Development Management Program Coordinator who regularly conduct.</p> <p>A social media page was created to show all of the company's activities.</p>
2. Implement a Comprehensive Social Development Program (SDP) and submit a report to the EMB	✓		<p>With budget to direct impact barangay • Brgy. Rio Tuba (Direct Impact Area) • Brgy. Ocayan (Direct/Indirect Impact Area) • Brgy. Taratak (Direct/Indirect Impact Area) • Brgy.</p>

Central Office and EMB-IVB on a semi-annual basis;			Sandoval (Direct/Indirect Impact Area) • Brgy. Iwahig (Direct/Indirect Impact Area) Certificate number of 5 year SDMP is SDMP NO. 01 – 2020-MIMAROPA (2nd) Issued on February 4, 2020 Establishment/Enhancement/Maintenance of Information and Publicity Centers (Establishment of Brgy. Information Board). 3rd Quarter and 4th Quarter MMT Validation was conducted last November 15-19, 2021 and February 21-26, 2022 respectively.
3. Establish appropriate measures and buffer zones along the entire periphery of the project site with appropriate species/vegetation cover to enhance the condition of the ecosystem and to serve as noise, vibration and dust buffers;	✓		Buffer Zones are fully planted with appropriate species/vegetation cover along the entire boundary of the project site to increase the condition of the ecosystem.  Continuous protection and maintenance are fully implemented.
4. Conduct validation of air dispersion modeling within one year from the start of project operation. The proponent may operate to design and implement its own air quality monitoring program in a manner that can be used for validating said models to be used in determining accuracy of impact areas and to ensure that actual levels of pollutants are within the DENR standards; diameter	✓		Complied last October 5, 2016.
5. Establishment of a reforestation and carbon sink program using endemic/indigenous species to mitigate greenhouse gas (GHG) emissions of the project in line with the DENR thrust for GHG emissions reduction programs. The program shall be submitted to EMB Central Office six(6) months prior to the project operation;	✓		The plant perimeter and other areas around, in between, and/or adjacent to the plant structures which may not be used as access ways are planted with suitable plants. Buffer areas should also be established and planted with soil covering plants that can be associated as buffer trees at the perimeter boundary. The Company also has recently completed the rehabilitation of 30 hectares mangrove rehabilitation project. The Company entered a Memorandum of Agreement (MOA) with the Rio Tuba Mangrove Ecosystem Developers, Inc. and Community Environment and Natural Resources of Brooke's Point Palawan for the rehabilitation of 30 hectares mangrove



		<p>denuded areas in Brgy. Sarong, Bataraza, Palawan on October 24, 2018.</p> <p>The rehabilitation activity was completed on the first quarter of 2020. Maintenance, patrolling and monitoring works are continuously implemented to date to ensure high survival rate of the project as recommended by the Department of Environment and Natural Resources (DENR). This project is in support to the National Greening Program (NGP) initiative by the Philippine Government particularly by the DENR Office in restoring mangrove denuded areas in the province of Palawan affected by the illegal cutting activities before and also to contribute for the carbon sequestration program.</p> <p>The mangrove site is now under maintenance and protection</p>
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**GENERAL CONDITIONS**

<p>6. The plant operations shall conform with the provisions of RA 6969 (Toxic Substances and Hazardous and Nuclear Waste Control Act of 1990), RA 8749 (Philippine Clean Air Act), RA 9003 (Ecological Solid Waste Management Act), and RA 9275 (Philippine Clean Water Act) and other relevant policies, rules and regulations;</p>	✓	<p><b>1. RA 6969 Toxic Substances and Hazardous and Nuclear Waste Control Act)</b> <b>Hazardous Waste Generators ID OL-GR-R4B-53-001551</b></p> <p><b>1. A.</b> Chemical and intermediate oils and waste drums and busted lamps are generated. A hazardous waste storage area is provided with secondary containment and a system for labeling and hazard warning signs on wastes. Management of the hazardous wastes will be contracted out to a DENR-recognized Hazardous Waste Treater/hauler which is the Genetron International Marketing for PEZA registered Hazardous Hauler.</p> <p><b>1. B.</b> Hazardous Waste Generators ID OL-GR-R4B-53-001551</p> <p><b>2. RA 8749 (Philippine Clean Air Act)</b> <b>2. A.</b> Graymont has an air pollution control system (APSF) for both the calcination and kiln processes consisting of a double filtering system. The system includes a cyclone and dust collector.</p>
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			<p>2. B. Permit to Operate issued last October 07, 2020.</p> <p>2. C. For dust control Mitigation measures include maintenance of haul roads, regular watering of unpaved areas and haul roads, use of tarpaulins to cover trucks, regulating vehicle speeds, and quick restoration of disturbed land to minimize adverse impacts on the surrounding vicinities.</p> <p>3. RA 9003 (Ecological Solid Waste Management Act)</p> <p>3. A. Graymont implemented a solid waste management program as required by DAO 2001-34, Implementing Rules and Regulations of the Philippine Ecological Solid Waste Management Act of 2000. Collection points of solid wastes were established within the project site and proper sorting and segregation of wastes was implemented. Other biodegradable wastes are disposed in proper containers.</p> <p>4. RA 9275 Philippine Clean Water Act)</p> <p>4. A. A. Discharge Permit was issued last March 25, 2021.</p> <p>Graymont is a closed loop system (no discharge). Process wastewater is directed to the OSD (On Site Detention) Tanks and recycled to be used in the process.</p>
7. The proponent shall set-up the following:			
7.1 A readily available and replenishable Environmental Guarantee Fund (EGF) to cover the following expenses for further environmental assessment, compensation/ identification for whatever damages to life and property that may be caused by the project, rehabilitation and/or restoration of areas affected by the project's related to the prevention of possible negative impacts and as a source of fund	✓		<p>The company maintain trust fund in DBP. Validation on the said funds was included during the 4th Quarter MMT Validation was conducted last March 1-8, 2021. This activity was attended by MMT composed of representatives from the Company, MGB Region IV-B, EMB Region IV-B, NGO, LGU, PO etc.</p>



for contingency and clean activities;			
7.2 A Multipartite Monitoring Team (MMT) composed of representative(s) from the proponent, EMB Region-IVB, a local environmental Non-Government Organization (NGO), and the LGU's shall be organized. The MMT should primarily oversee the compliance of the proponents with the Environmental Management and Monitoring Plan (EMMoP) and the ECC conditions.	✓		For the covered period MMT Validation was conducted on November 14-21, 2021 and February 21-26, 2022 while EMB Audit was conducted last October 20-22, 2021. This activity was attended by MMT composed of representatives from the Company, MGB Region IV-B, EMB Region IV-B, NGO, LGU, PO etc.
8. Creation of an Environmental Unit (EU) within (60) days from issuance of this certificate that shall competently handle the environmental related aspects of the project. In addition to the monitoring requirements as specified in the environmental Management and monitoring plan (EMMoP), EU shall have the following responsibilities: a. Monitor actual project impact vis-à-vis the predicted impacts and management measures in the EIS; b. Accordingly recommend revision to the EMMop, wherever necessary subject to the approval of EMB Central office. Revision should also consider the result of the validation of air dispersion modeling as required in item 4 (Annex A) of this certificate; c. Ensure that data gathered during monitoring activities are properly documented assessed, evaluated and reported in accordance with the standards formats, and; d. Ensure that monitoring and submission of reports to EMB	✓		The Company hired and assigned a Pollution Control Officer (PCO) at site for the proper monitoring of project impact and the implementation of appropriate mitigating/control measures stipulated in EIS. Furthermore, the PCO ensure that data gathered during monitoring activities are properly documented, assessed, evaluated, and regularly reported in accordance with the standard format of the concerned government agencies.

(Central Office and Region-IVB) are carried out as required;			
9. The proponent shall ensure that its contractor and sub-contractors properly comply with the relevant conditions of the certificates;	✓		Regular activities for the contractors: 1. Employee and Contractor Annual reorientation/refresher and review required applicable PPEs in the working environment. 2. Monthly Safety Meeting 3. IEC to the Contractors 4. Safety induction and orientation training (Newly hired, Employee, Visitor, and Contractor).  Validated by the MMT Last November 15-19, 2021.
<b>II. RESTRICTIONS</b>			
10. No activities shall be undertaken other than what were stipulated in the final EIS. Any expansion of the project beyond the project description or any change in the activity or transfer of location shall be subject to new Environmental Impact Assessment (EIA) and;	✓		No increase in land area or any changes in the activity or transfer of location.
11. In case of transfer of ownership of this project, these same conditions and restrictions shall apply and transfer shall be required to notify the EMB Regional Office within fifteen (15) days from the transfer of ownership.	✓		No transfer of ownership.
<b>III. OTHER REGULATORY REQUIREMENTS/CONDITIONS</b>			
1. Compliance with the Sanitation Code of the Philippines	✓		Caterer for Graymont canteen secured all necessary documents prior to operation including health certificate and sanitation permit to operate. Latest Audit Monitoring and Evaluation of Industrial Establishment as Mandated by PD 856 / Sanitation Code of the Philippines (Implementing Rules and Regulation Chapter VII- Industrial Hygiene) was conducted last October 14-18, 2019.
2. Compliance with the Labor Code of the Philippines	✓		Complied.
3. Ensure conformance with the Ecological Solid Waste Management Act	✓		Complied.



4. Ensure compliance with the Indigenous People's Rights Act (IPRA) for the protection of indigenous people	✓		Complied.
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### C. AIR QUALITY IMPACT ASSESSMENT

#### Sampling Location 1: Bulanjao Golf-Course

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP ( $\mu\text{G}/\text{Ncm}$ )				6			300	Passed
Date/time of sampling: July 20, 2021 / 2:14 PM – 3:14 PM								
Weather and wind direction: Sunny								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

#### Sampling Location 2: GSSI Compound

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP ( $\mu\text{G}/\text{Ncm}$ )			103				300	Passed
Date/time of sampling: November 16, 2021 / 8:43 AM – 9:43 AM								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

### E. Noxious Gas Quality Impact Assessment

#### Sampling Location 1: Bulanjao Golf-Course

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
NO <sub>2</sub> $\mu\text{L}/\text{Nm}^3$				0.27			260	Passed
SO <sub>2</sub> $\mu\text{g}/\text{Nm}^3$				0.32			340	Passed
Date/time of sampling: July 20, 2021 / 2:23 PM								



Weather and wind direction:
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: Regular MMT Sampling Activity

- EQPL-Environmental Quality Performance Level
  - Alert of Red Flag-early warning
  - Action Level-point where management measures must be employed to reverse deterioration to pre-impact or optimum environmental quality
  - Limit Level-regulated threshold of pollutant (standard that must not be exceeded)

<b>Overall Air Quality Impact Assessment</b>
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All parameters are within the DENR standards.
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#### F. WATER QUALITY IMPACT ASSESSMENT (*No sampling Stations / Closed Loop*)

Sampling Location 1: \_\_\_\_\_

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class C	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
N/A								

Date/time of sampling:
Weather and wind direction:
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:

- EQPL-Environmental Quality Performance Level
  - Alert of Red Flag-early warning
  - Action Level-point where management measures must be employed to reverse deterioration to pre-impact or optimum environmental quality
  - Limit Level-regulated threshold of pollutant (standard that must not be exceeded)

<b>Overall Air Quality Impact Assessment</b>
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N/A
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**G. Compliance with good practices in Solid and Hazardous Waste Management** (Directions: The MMT shall indicate its observations on how solid waste is handed, stored, disposed.)

Type of Waste	ECC/EPEP Commitments			Adequate?		Remarks
	Handling	Storage	Disposal	Yes	No	
Residual wastes		Dumped at the sanitary landfill	Garbage dump to the pit are covered with soil	✓		Total volume of residual wastes generated for the 2 <sup>nd</sup> Semester 2021 is 0.1153 Tons.
Biodegradable Solid waste (left-over foods, peeling and other biodegradable materials)	Color coded garbage bins were distributed in different areas around the plant with proper label for solid waste sorting.	Collected for composting and nutrients for plants at site	Biodegradables are collected for composting and used as nutrients for plants at site	✓		Total volume of biodegradable wastes generated for the 2 <sup>nd</sup> Semester 2021 is 0.2807 Tons.  There is a designated area in the SLF intended for Biodegradable wastes.
Recyclable		Temporarily stored at the Materials Recovery Facility		✓		Total volume of Recyclables generated for the 2 <sup>nd</sup> Semester 2021 is 0.108 Tons.
Non-biodegradable Solid Waste	Scrap metal Yard was properly arranged	Material Recovery Facility		✓		Maintain proper housekeeping of Scrap metal yard Continue Segregation at source.
Hazardous waste (Busted Fluorescent lamp, Containers previously containing chemical substance, Used oil, Used oil (Sludge), Pathological or infectious waste, Used Batteries, Oil contaminated materials, Grease Waste)	Contained in steel drums with proper label	Stored at temporary hazardous waste storage area.	Hauled and treated by PEZA Accredited Hazardous Wastes treater/ Hauler	✓		Hazardous waste generated as of 2 <sup>nd</sup> Semester 2021:  <b>D406</b> – Busted Fluorescent Lamp – 117 pieces  <b>D406</b> – Used Batteries – 3 pieces  <b>J201</b> – Containers previously containing chemical substance - 0.009 ton  <b>I101</b> – Used oil – 400.036 liters  <b>M501</b> – Pathological or infectious waste - 0.002 kg  <b>I104</b> – Oil contaminated materials – 0.0637 ton

**H. Compliance with good practices in Chemical Safety Management** (for those companies using/producing Chemicals listed in EMB's PCL & CCO List)

Chemicals in PCL and CCO	Adequate?* (Put/If Adequate)				Remarks
	Risk Management	Training	Handling	Emergency Preparedness	
	N/A				

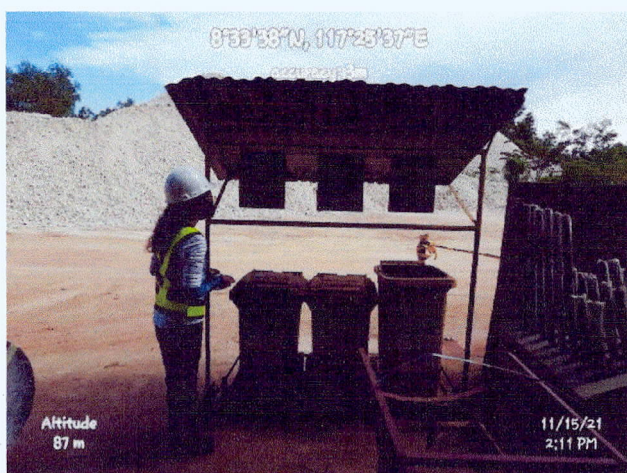
**I. Complaints Verifications and Management**

Date Filed	Filed Where? (pls. check)				Nature of Complaint	Resolutions Made
	DENR	Company	MMT	Others, Specify		
N/A						



J. Other Remarks/Recommendation/Documentations:

Photos were taken during the conduct of Monitoring on November 15-19, 2021 and February 21-26, 2022















Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**  
**MIMAROPA Region**

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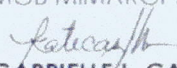



## MMT MONITORING REPORT


Name of Company: **GRAYMONT (PHILIPPINES) INC.**  
Name of Project: **Milk of Lime Project**  
Location: **Brgy. Rio Tuba, Bataraza, Palawan**  
Date of Monitoring: **November 15 – 20, 2021** Control No. **3Q21 GPI**  
Monitored by: **Multi-Partite Monitoring Team (MMT)**

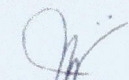


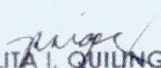
  
JOEL V. BALQUIEDRA  
MGB MIMAROPA

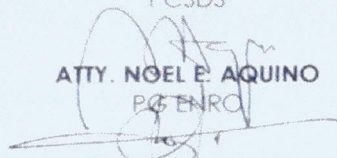
  
KATE GABRIELLE L. CASTILLO  
MGB MIMAROPA

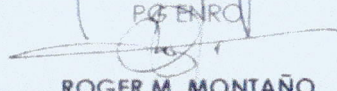
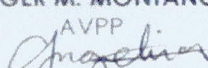
  
INOCENCIO C. MAGALLANES  
NGO – Haribon Palawan


  
ALVIN M. TRAZONA  
Plant Manager

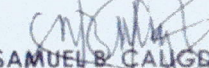
  
MERLINDA Y. HILARIO  
PCSDS

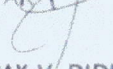
  
PERLITA I. QUILING  
PCSDS

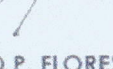
  
ATTY. NOEL E. AQUINO  
PG ENRO

  
ROGER M. MONTAÑO  
AVPP  
  
ANGELICA JOY PATIO  
IP/ICC

  
CONRADO M. CORPUZ  
CENRO – Brooke's Point

  
SAMUEL B. CALIGDONG  
BPAR

  
HON. SIMMY V. DIDIK  
LGU – Brgy. Rio Tuba

  
RODOLFO P. FLORES  
PEZA

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## MMT MONITORING REPORT

Name of Company: **Graymont (Phils.), Inc.**  
 Name of Project: **Milk of Lime Project**  
 Location: **Brgy. Rio Tuba, Bataraza, Palawan**  
 Date of Monitoring: **February 21 – 26, 2022** Control No. **4Q21 GPI**  
 Monitored by: **Multi-Partite Monitoring Team (MMT)**



**JOEL V. BALQUIEDRA**  
 MGB MIMAROPA

**ANA MARIA G. ACOSTA**  
 PCSDS

**CONRADO M. CORPUZ**  
 CENRO – Brooke's Point

**KATE GABRIELLE L. CASTILLO**  
 MGB MIMAROPA

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**ATTY. NOELLE AQUINO**  
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**INOCENCIO C. MAGALLANES**  
 NGO – Haribon Palawan

**ROGER M. MONTAÑO**  
 AVPP

**REYNALDO C. RIVERA**  
 MENRO Bataraza

**RYNAN JOSEPH C. PANTALEON**  
 MEPEO/PCO GPI

**ANGELICA JOY PATIO**  
 IP/ICC

**NELSON C. VIRGO**  
 PHO

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## MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM FOR MINING INDUSTRIES

**Milk of Lime Project**  
**Graymont (Philippines), Inc.**  
**Barangay Rio Tuba, Bataraza, Palawan**

Date of Compliance Monitoring and Validation: **November 15 - 20, 2021**

Monitoring Period Covered: **July – September 2021** Quarter/Semester Year: **3<sup>rd</sup> Quarter 2021**

### B.2. Compliance to Impact Management Commitments in EIA Report & EPEP

(Directions: The MMT shall check compliance of the Proponent to the commitments in the EMP.)

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
Mining Operation	1. LAND RESOURCES				
	1.1 Establishment of Bamboo Plantation	To date, no bamboo plantation has been established.		X	Accelerate the establishment of a bamboo plantation to catch up with the plan for CY 2021.
	This quarter, the plan is to establish 10 hectares of bamboo plantation with a budget of PHP350,000.00.  The total target for CY 2021 is 20 hectares with a budget of PHP7000,000.00				
	1.2 Tree Planting/Maintenance	This quarter, GPI was able to plant/maintain 1 hectare of tree plantation which brings the total accomplishments to 3 hectares or 150% of its annual target.  GPI spent a total of PHP33,950.00 (226% of its budget)	✓		Regular maintenance and monitoring of planted seedlings to ensure their growth and survival
	No target for this quarter.  The total target for CY2021 is 2 hectares with a budget of PHP15,000.00				
1.3 Imposition of Environmental Control Measures (Dump truck covering, cleaning, etc) during Limestone and Petcoke Hauling Activities	GPI was able to impose environmental control measures for 4 (100% of this quarter's target) hauling of limestone and petcoke materials which brings the total accomplishments to 12 or equivalent to 80% of its annual target.  GPI spent a total of PHP3,630.00 (73% of the annual budget)	✓		Continue these environmental measures.	
For this quarter, the plan is to conduct 4 impositions of environmental control measures for hauling activities with a budget of PHP1,333.33					



**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
<b>2. WATER RESOURCE AND QUALITY</b>					
	<b>2.1 Maintenance of Drainage System and Others (e.g., general housekeeping of Petcoke, KILN, and MOL Plant, etc.)</b> For this quarter, the plan is to maintain 4 drainage systems and other facilities with a budget of PHP12,5000.00	GPI was still able to maintain the 4 drainage systems and other facilities (100% of the target) and reportedly spent PHP12,600.00 (101% of the budget)  To date, GPI spent a total of PHP56,325.00 (113% of the annual budget)	✓		Continue the clean-up of environmental mitigation measures facilities.
	<b>2.2 Desilting and Maintenance of Wash Pond, Silt Ponds, OSD, etc.</b> For this quarter, the plan is to desilt and maintain 4 silt ponds, OSD, etc. with a budget of PHP17,500.00	GPI was still able to desilt and maintain 4 wash ponds, silt ponds, and OSD (100% Of the target) with a reported cost of PHP18,900 (108% of the budget)  To date, GPI spent a total of PHP73,500.00 (105% of the annual budget)	✓		Conduct the desilting and maintenance of wash ponds, silt ponds, OSD, etc.
	<b>2.3 Waste Management (Solid and Hazardous Wastes)</b> For this quarter, the plan is to maintain 2 waste facilities with a budget of PHP2,625.00	GPI was still able to maintain 2 (100% of the target) wastes management facilities with a reported cost of PHP3,150.00 (120% of the budget)  To date, GPI spent a total of PHP8,850.00 (81% of the annual target)	✓		Continue to practice proper wastes management.
<b>3. NOISE AND VIBRATION</b>					
	<b>3.1 Fabrication, Installation, and Maintenance of Noise Control Measures in RMH Discharge Chute and Others</b> For this quarter, the plan is to fabricate and install/ maintain 2 noise reduction measures with a budget of PHP1,212.50	2 noise reduction measures (100% of the target) were fabricated and fitted with a reported cost of PHP1,280.00 (106% of the budget)  To date, GPI spent a total of PHP3,772.50 (78% of the annual budget)	✓		Continue to maintain noise reduction measures
<b>4. AIR QUALITY</b>					
	<b>4.1 Maintenance of Air Pollution Control</b>	GPI was still able to	✓		Conduct the



**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
	<b>Equipment/Devices (e.g. Replacement of filter bags, repair of gas trap, etc.)</b>  For this quarter, the plan is to maintain 3 air pollution control equipment/devices with a budget of PHP248,250.00	maintain 3 (100% of the target) air pollution control equipment/devices with a reported cost of PHP248,250.50 (100% of the budget)  To date, GPI spent a total of PHP737,343.50 (74% of the annual budget)			remaining scheduled air quality monitoring.
	<b>4.2 Road Watering and Street Sweeping</b>  For this quarter, the plan is to conduct 90 road watering and sweeping activities with a budget of PHP5,371.75	GPI was able to conduct 90 (100% of the target) road watering and sweeping activities with a reported cost of PHP10,700.00 (62.% of the budget).  The costs only include the materials used in actual road sweeping as the water used are recycled water. Moreover, the costs for labor/personnel are also not included.  To date, GPI spent a total of PHP17,391.16 (81% of the annual budget)	✓		Continue the road watering and sweeping activities.
	<b>4.3 In-house Air Quality Monitoring using Gastec Detector Tube</b>  For this quarter, the plan is to conduct 3 air sampling activities with a budget of PHP4,641.00	GPI was able to conduct 3 (100% of the target) air sampling activities with a reported cost of PHP 3,341.52 (72% of the budget).  To date, GPI spent a total of PHP13,384.08 (72% of the annual budget)	✓		Continue the in-house air quality monitoring.
	<b>4.4 Third-Party Air Quality Monitoring</b>  No target for this quarter. The third-party air quality monitoring will be conducted in the 4 <sup>th</sup> quarter with a budget of PHP156,000.00.	No third-party sampling was conducted, this activity is scheduled for the 4 <sup>th</sup> Quarter.			Adhere to the planned schedule of air quality monitoring.
	<b>4.5 Road Concreting</b>  For this quarter, the plan is to concrete 4,666.60 square meters (sqm) of the road with a budget of PHP4,000,000.00.  The total target for CY2021 is 18,666.50 sqm with a budget of PHP16,000,000.00	GPI concreted 2,510.50 sqm (54% of the target) of the road with a reported cost of PHP2,806,190.97 (70% of the budget).  To date, the total		X	Accelerate the concreting of the road to catch up with the plan for CY 2021.



**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
		concreted road is 3,847.50 sqm (21% of the annual target) with a total expenditure of PHP8,902,021.13 (56% of the annual target).			
5. CONSERVATION VALUES					
	5.1 Rehabilitated Mangrove Area Protection and Maintenance	GPI was still able to protect and maintain 7.5 hectares (100% of the target) of mangrove area with a reported cost of PHP 90,000.00 (100% of the budget)	✓		Continue to protect and maintain mangrove areas.
	For this quarter, the plan is to protect and maintain 7.5 hectares of mangrove area with a budget of PHP 90,000.00.	To date, GPI spent a total of PHP 270,000.00 (75% of the annual budget)			
6. ENVIRONMENTAL RESEARCH					
	6.1 Petcoke Ash Sampling for other beneficial uses	GPI started the conduct of research for its technical paper: "Petcoke Ash Sampling for other beneficial uses" which already costs PHP5,520.00 for quarters under review (100.40% of the budget)	✓		Continue to conduct environmental research and utilize the outcome of the results.
	The plan is to produce 1 technical paper with a budget of PHP5,500.00 in the 4 <sup>th</sup> quarter.				
7. OTHERS (E.G. TRAINING/WORKSHOPS/ CONFERENCES/LINKAGES/ MMT/MRFC ETC.)					
	7.1 Multi-Partite Monitoring Team (MMT)	1 MMT monitoring (100% of the target) was conducted with a reported cost of PHP 119,424.40 (1990% of the budget)	✓		Conduct the remaining MMT activities for CY 2021
	For this quarter, the plan is to conduct 1 MMT monitoring with a budget of PHP6,000.00	To date, GPI spent a total of PHP220,224.40 (918% of the total budget)			
	7.2 Mine Rehabilitation Fund Committee (MRFC)	1 MRFC meeting (100% of the target) was conducted with a reported cost of PHP31,146.00 (62% of the budget)	✓		Conduct the remaining MRFC meetings
	For this quarter, the plan is to conduct 1 MRFC meeting with a budget of PHP50,000.00	To date, GPI spent			
	7.3 MPP Validation	1 MPP validation was conducted with a reported cost of PHP16,000.00 (100% of the budget)	✓		Continue to conduct MPP validation
	To conduct 1 MPP validation with a budget of PHP16,000.00 in the 2 <sup>nd</sup> quarter.				

**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

3<sup>rd</sup> Quarter 2021 Compliance Report to DRC 2013-2016-2017

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations	
	Planned	Field Findings and Observations	Yes	No		
	<b>7.4 SHES</b>	1 SHES validation was conducted in the 2 <sup>nd</sup> quarter with a reported cost of PHP15,115.18 (94.46% of the budget)	✓		Continue to conduct SHES validation	
	To conduct 1 SHES Validation for the year with a budget of PHP16,000.00 in the 3 <sup>rd</sup> quarter.					
	<b>7.5 Trainings/Seminars/ Workshops</b>	GPI personnel attended the MGB MIMAROPA Stakeholders Forum on September 17, 2021.  No cost was incurred.	✓		Conduct the training for the year.	
	No target for this quarter.					
	<b>7.6 ISO 14001:2015 Certification (Environmental Management System)</b>	The processing of securing ISO 14001:2015 is ongoing.  Spent PHP59,542.83 (30% of the total budget)			Continue to secure the ISO Certification	
	No target for this quarter					
	<b>8. OTHER FINDINGS, OBSERVATIONS, AND RECOMMENDATIONS</b>					
	1) Accumulated silt on the concrete road in front of the hazardous waste area was observed. For immediate sweeping. 2) Accumulated silt on the concrete road near the limestone feed stockpile was again observed. For Immediate removal.					



Summary of 3<sup>rd</sup> Quarter 2021 AEPEP Physical Accomplishments

ACTIVITIES	UNIT OF MEASURE	TARGETS					ACCOMPLISHMENTS					% TO DATE	
		1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD		TOTAL TO DATE
1. Land Resource													
1.1 Establishment of Bamboo Plantation	No. of hectares	0	10	10		20	0	0	0		-	0	0%
1.2 Tree Planting/ Maintenance at Plant	No. of hectares		1		1	2	1	1	1		-	3	150%
1.3 Imposition of Environmental Control Measures (Dump truck covering, etc) during Limestone and Petcoke Hauling Activities	No. of hauling	4	4	4	3	15	4	4	4		100%	12	80%
2. Water Resource and Quality													
2.1 Maintenance of Drainage System and Others (e.g. general housekeeping of Petcoke, KILN, and MOL Plant, etc.)	No. of drainage maintained	4	4	4	4	4	4	4	4		100%	12	300%
2.2 Desilting and Maintenance of Wash Pond, Silt Ponds, OSD, etc.	No. of silt collector maintained	4	4	4	4	4	4	4	4		100%	12	300%

Quarter 2021 Compliance Report to SAG 2019													
ACTIVITIES	UNIT OF MEASURE	TARGETS					ACCOMPLISHMENTS					TOTAL TO DATE	% TO DATE
		1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD		
2.3 Waste Management (Solid and Hazardous Wastes)	No. of facilities maintained	2	2	2	2	2	2	2	2		100%	2	100%
3 Noise and Vibration													
3.1 Fabrication, Installation and Maintenance of Noise Control Measures in RMH Discharge Chute and Others	No. of Noise Control Installed and Maintained	2	2	2	2	2	2	2	2		100%	6	300%
4 Air Quality													
4.1 Maintenance of Air Pollution Control Equipment/ Devices (e.g. Replacement of filter bags, repair of gas trap, etc.)	No. of APCE/D maintained	3	3	3	3	3	3	3	3		100%	9	300%
4.2 Road Watering and Street Sweeping	No. of road watering and sweeping activities	90	90	90	90	360	90	90	90		100%	270	75%
4.3 In-house Air Quality Monitoring using Gastec Detector Tube	No. of sampling conducted	3	3	3	3	12	3	3	3		100%	9	75%



ACTIVITIES	UNIT OF MEASURE	TARGETS					ACCOMPLISHMENTS					% TO DATE
		1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD	TOTAL TO DATE
4.4 Third-Party Air Quality Monitoring	No. of sampling conducted				1	1						-
4.5 Road Concreting	Area concreted (sq.m)	4,666.60	4,666.60	4,666.60	4,666.60	18,666.60	-	1,337.00	2,510.50		54%	3,847.50
5 Conservation Values												21%
5.1 Rehabilitated Mangrove Area Protection, Maintenance, and Others	No. of Hectares Protected and Maintained	7.5	7.5	7.5	7.5	30	7.5	7.5	7.5		100%	22.5
6 Environmental Research												75%
6.1 Petcoke Ash Sampling for other beneficial uses	No. of technical paper produced				1	-	-	-	-			-
7 Others (e.g. trainings/workshops/ conferences/linkages/ MMT/MRFC etc.)												#VALUE!
7.1 MMT	No. of MMT Conducted	1	1	1	1	4	1	0	1		100%	2
7.2 MRFC	No. of MRFC Conducted	1	1	1	1	4	1	0	1		100%	2
7.3 MPP Validation	No of validation and inspections conducted		1			1	1	0	-		-	1
7.4 SHES	No. of SHES Validation			1		1		1	-		-	1
												100%

**GPI, 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

GTI 3 - Quarterly 2021 Compliance Report to DBO 2019 - 2021 Annex 2														
ACTIVITIES	UNIT OF MEASURE	TARGETS					ACCOMPLISHMENTS							
		1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD	TOTAL TO DATE	% TO DATE	
	Conducte d													
7.5 Training/ Seminars/ Workshop	No. of Training Conducte d		1			1		1			-	1	100%	
7.6 ISO 14001 - 2015 (Environment al Management System)	No. of Certificate				1	1					-	-		
		AVERAGE					61%							109%



### AEP 2021 FINANCIAL EXPENDITURES, AS OF 3<sup>rd</sup> Quarter 2021

ACTIVITIES	BUDGET					ACTUAL EXPENDITURES					% TO DATE
	1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD	
1. Land Resource											
1.1 Establishment of Bamboo Plantation		350,000.00	350,000.00		700,000.00	-	-	-		0%	0%
1.2 Tree Planting/Maintenance at Plant		7,500.00		7,500.00	15,000.00	9,800.00	8,400.00	15,750.00		210%	226%
1.3 Imposition of Environmental Control Measures (Dump truck covering, cleaning etc) during Limestone and Petcoke Hauling Activities	1,333.33	1,333.33	1,333.33	1,333.33	5,000.00	1,335.00	1,335.00	960.00		72%	73%
2. Water Resource and Quality											
2.1 Maintenance of Drainage System and Others (e.g. general housekeeping of Petcoke, KILN, and MOL Plant, etc.)	12,500.00	12,500.00	12,500.00	12,500.00	50,000.00	12,735.00	30,990.00	12,600.00		101%	113%
2.2 Desilting and Maintenance of Wash pond, Silt Ponds, OSD etc.	17,500.00	17,500.00	17,500.00	17,500.00	70,000.00	33,600.00	21,000.00	18,900.00		108%	105%
2.3 Waste Management (Solid and Hazardous Wastes)	2,625.00	2,625.00	2,625.00	2,625.00	10,500.00	2,700.00	3,000.00	3,150.00		100%	84%
3. Noise and Vibration											
3.1 Installation and Maintenance of Noise Control Measures in RMH Discharge Chute and Others	1,212.50	1,212.50	1,212.50	1,212.50	4,850.00	2,270.00	1,280.00	1,280.00		103%	78%
4. Air Quality											

**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

4.1 Maintenance of Air Pollution Control Equipment/Devices (e.g. Replacement of filter bags, repair of gas trap etc.)	248,250.00	248,250.00	248,250.00	248,250.00	993,000.00	248,842.50	248,250.00	248,250.50	100%	737,343.50	74%
4.2 Road Watering and Street Sweeping	5,371.75	5,371.75	5,371.75	5,371.75	21,487.00	1,175.00	5,516.16	10,700.00	62%	17,391.16	81%
4.3 In-house Air Quality Monitoring using Gasec Detector Tube	4,641.00	4,641.00	4,641.00	4,641.00	18,564.00	10,042.56	3,341.52	3,341.52	72%	13,384.08	72%
4.4 Third Party Air Quality Monitoring					156,000.00	-	-	-	0%	-	0%
4.5 Road Concreting	4,000,000.00	4,000,000.00	4,000,000.00	4,000,000.00	16,000,000.00	-	6,095,830.16	2,806,190.97	70%	8,902,021.13	56%
<b>5. Conservation Values</b>											
5.1 Rehabilitated Mangrove Area Protection, Maintenance and Others	90,000.00	90,000.00	90,000.00	90,000.00	360,000.00	90,000.00	90,000.00	90,000.00	100%	270,000.00	75%
5.1 Petcoke Ash Sampling for other beneficial uses		5,500.00	5,500.00		11,000.00	-	5,520.00	5,520.00	100%	11,040.00	100%
<b>7. Others (e.g. trainings/workshops/ conferences/linkages/ MMT/MRFC etc.)</b>											
7.1 MMT	6,000.00	6,000.00	6,000.00	6,000.00	24,000.00	100,800.00	-	119,424.40	1990%	220,224.40	918%
7.2 MRFC	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00	50,700.00	-	31,146.00	62%	81,846.00	41%
7.3 MPP Validation		16,000.00			16,000.00	16,000.00	-	-	100%	16,000.00	100%
7.4 SHES			16,000.00		16,000.00	-	15,115.18	-	0%	15,115.18	94%
7.5 Trainings/ Seminars/ Workshop		10,000.00			10,000.00	-	-	-	0%	-	0%
7.6 ISO 14001 - 2015 (Environmental Management System)					200,000.00	20,000.00	31,625.83	7,917.00	0%	59,542.83	30%



**GPI 3<sup>rd</sup> Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

<b>TOTAL</b>	4,439,433.58	4,828,433.58	4,810,933.58	4,802,933.58	18,881,401.00	600,000.06	6,561,203.85	3,375,130.39		70%	10,523,935.78	56%
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## Photo Documentation



MMT Entry Meeting



The MMT at GPI





2015 MFP and 2018 NGP Plantation (Plant Perimeter).  
For replacement of signage.



Monitoring of truck weighing scale





Monitoring of newly concreted road inside GPI facility







Good hazardous wastes management was observed







Accumulated silt on the concrete road in front of the hazardous waste area was observed.  
For immediate sweeping.







Accumulated silt on the concrete road near the limestone feed stockpile was again observed.  
For Immediate removal.







Newly planted ornamental plants were observed inside GPI Facility







Road sweepers were observed during th monitoring



Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**  
**MIMAROPA Region**


7/F DENR Building, 1515 Roxas Boulevard, Ermita, Manila  
Telefax No. (+632) 538-0215 / (+632) 310-1369  
Email: region4b@mgb.gov.ph

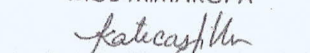


## MMT MONITORING REPORT

Name of Company: **GRAYMONT (PHILIPPINES) INC.**  
Name of Project: **Milk of Lime Project**  
Location: **Brgy. Rio Tuba, Bataraza, Palawan**  
Date of Monitoring: **November 15 – 20, 2021** Control No. **3Q21 GPI**  
Monitored by: **Multi-Partite Monitoring Team (MMT)**




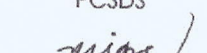
  
**JOEL V. BALQUIEDRA**  
MGB MIMAROPA

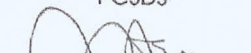
  
**KATE GABRIELLE L. CASTILLO**  
MGB MIMAROPA

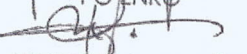
  
**INOCENCIO C. MAGALLANES**  
NGO – Haribon Palawan

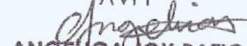
  
**ALVIN M. TRAZONA**  
Plant Manager


  
**MERLINDA V. HILARIO**  
PCSDS


  
**PERLITA I. QUILING**  
PCSDS


  
**ATTY. NOEL E. AQUINO**  
PG ENRO

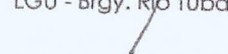
  
**ROGER M. MONTAÑO**  
AVPP

  
**ANGELICA JOY PATIO**  
IP/ICC

  
**CONRADO M. CORPUZ**  
CENRO – Brooke's Point

  
**SAMUEL B. CALIGDONG**  
BFAR

  
**HON. SIMMY V. DIDIK**  
LGU – Brgy. Rio Tuba

  
**RODOLFO P. FLORES**  
PEZA

"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT  
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."



**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**  
**MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM**  
**FOR MINING INDUSTRIES**

**Milk of Lime Project**  
**Graymont (Philippines), Inc.**  
**Barangay Rio Tuba, Bataraza, Palawan**

Date of Compliance Monitoring and Validation: **February 20 - 27, 2022**

Monitoring Period Covered: **October – November 2021** Quarter/Semester Year: **4<sup>th</sup> Quarter 2021**

**B.2. Compliance to Impact Management Commitments in EIA Report & EPEP**

(Directions: The MMT shall check compliance of the Proponent to the commitments in the EMP.)

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
Mining Operation	1. LAND RESOURCES				
	1.1 Establishment of Bamboo Plantation	To date, no bamboo plantation has been established.  MOA for Finalization		X	Accelerate/Fastrack the establishment of a bamboo plantation.
	No target for this quarter.  The total target for CY 2021 is 20 hectares with a budget of PHP7000,000.00				
	1.2 Tree Planting/Maintenance	This quarter, GPI was able to plant/maintain a total of 3 hectares.  GPI spent a total of PHP15,750.00 (105% of its total budget)	✓		Regular maintenance and monitoring of planted seedlings to ensure their growth and survival
	This quarter, the plan is to establish 3 hectares of plantation with a budget of PHP 15,750.00  The total target for CY2021 is 3 hectares with a budget of PHP15,000.00				
	1.3 Imposition of Environmental Control Measures (Dump truck covering, cleaning, etc) during Limestone and Petcoke Hauling Activities	GPI was able to impose environmental control measures for 4 (100% of this quarter's target) hauling of limestone and petcoke materials.  GPI spent a total of PHP50,289.00 (1006% of the annual budget)	✓		Continue these environmental measures.
	For this quarter, the plan is to conduct 4 impositions of environmental control measures for hauling activities with a budget of PHP46,659.49  The total budget for CY2021 is PHP5,000.00				
	2. WATER RESOURCE AND QUALITY				
	2.1 Maintenance of Drainage System and Others (e.g., general housekeeping of Petcoke, KILN, and MOL Plant, etc.)	GPI was still able to maintain the 4 drainage systems and other facilities (100% of the target) and reportedly spent PHP 12,600.00 (25% of the total budget)  To date, GPI spent a total of PHP68,925 (138% of	✓		Continue the clean-up of environmental mitigation measures facilities.
	For this quarter, the plan is to maintain 4 drainage systems and other facilities with a budget of PHP 12,600.00  The total budget for CY2021 is PHP50,000.00				



**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
		the annual budget)			
	<b>2.2 Desilting and Maintenance of Wash Pond, Silt Ponds, OSD, etc.</b>  For this quarter, the plan is to desilt and maintain 4 silt ponds, OSD, etc. with a budget of PHP 18,900.00  The total budget for CY2021 is PHP70,000.00	GPI was still able to desilt and maintain 4 wash ponds, silt ponds, and OSD (100% of the target) with a reported cost of PHP18,900 (27% of the total budget)  To date, GPI spent a total of PHP92,400.00 (132% of the annual budget)	✓		Conduct the desilting and maintenance of wash ponds, silt ponds, OSD, etc.
	<b>2.3 Waste Management (Solid and Hazardous Wastes)</b>  For this quarter, the plan is to maintain 2 waste facilities with a budget of PHP 3,150.00  The total budget for CY2021 is PHP10,500.00	GPI was still able to maintain 2 (100% of the target) wastes management facilities with a reported cost of PHP3,150.00 (30% of the budget)  To date, GPI spent a total of PHP12,000.00 (114% of the annual target)	✓		Continue to practice proper wastes management.
<b>3. NOISE AND VIBRATION</b>					
	<b>3.1 Fabrication, Installation, and Maintenance of Noise Control Measures in RMH Discharge Chute and Others</b>  For this quarter, the plan is to fabricate and install/ maintain 2 noise reduction measures with a budget of PHP1,280.00  The total budget for CY2021 is PHP4,850.00	2 noise reduction measures (100% of the target) were fabricated and fitted with a reported cost of PHP1,280.00 (26.39% of the budget)  To date, GPI spent a total of PHP6,110.00 (125% of the annual budget)	✓		Continue to maintain noise reduction measures
<b>4. AIR QUALITY</b>					
	<b>4.1 Maintenance of Air Pollution Control Equipment/Devices (e.g. Replacement of filter bags, repair of gas trap, etc.)</b>  For this quarter, the plan is to maintain 3 air pollution control equipment/devices with a budget of PHP248,250.00  The total budget for CY2021 is PHP993,000.00	GPI was still able to maintain 3 (100% of the target) air pollution control equipment/devices with a reported cost of PHP248,250.50 (100% of the budget)  To date, GPI spent a total of PHP993,593.50 (100.05% of the annual budget)	✓		Conduct the remaining scheduled air quality monitoring.
	<b>4.2 Road Watering and Street Sweeping</b>	GPI was able to conduct			Continue the road



**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
	<p>For this quarter, the plan is to conduct 90 road watering and sweeping activities with a budget of PHP 779,147.84</p> <p>The total budget for CY2021 is PHP21,487.00</p>	<p>90 (100% of the target) road watering and sweeping activities with a reported cost of PHP779,147.84 (3626.% of the budget).</p> <p>The costs only include the materials used in actual road sweeping as the water used are recycled water. Moreover, the costs for labor/personnel are also not included.</p> <p>To date, GPI spent a total of PHP796,539 (3707% of the annual budget)</p>	✓		watering and sweeping activities.
	<p><b>4.3 In-house Air Quality Monitoring using Gastec Detector Tube</b></p> <p>For this quarter, the plan is to conduct 3 air sampling activities with a budget of PHP 3,341.52</p> <p>The total budget for CY2021 is PHP18,564.00</p>	<p>GPI was able to conduct 3 (100% of the target) air sampling activities with a reported cost of PHP 3,341.52 (18% of the budget).</p> <p>To date, GPI spent a total of PHP20,067.00 (108% of the annual budget)</p>	✓		Continue the in-house air quality monitoring.
	<p><b>4.4 Third-Party Air Quality Monitoring</b></p> <p>No target for this quarter.</p> <p>The total budget for CY2021 is PHP 156,000.00</p>	<p>No third-party sampling was conducted.</p>			Adhere to the planned schedule of air quality monitoring.
	<p><b>4.5 Road Concreting</b></p> <p>The total target for road concreting for CY2021 is 18,666.50 sqm with a budget of PHP16,000,000.00</p>	<p>To date, the total concreted road is 4,433 sqm (24% of the annual target) with a total expenditure of PHP8,902,021.13 (56% of the annual target).</p>		X	Accelerate the concreting of the road to catch up with the plan for CY 2021.
<b>5. CONSERVATION VALUES</b>					
	<p><b>5.1 Rehabilitated Mangrove Area Protection and Maintenance</b></p> <p>For CY 2021, the target plan is to protect and maintain 30 hectares of mangrove area with a budget of PHP 360,000.00.</p>	<p>GPI was still able to protect and maintain the 30 hectares (100% of the target) of mangrove area.</p> <p>To date, GPI spent a total of PHP 270,000.00 (75% of the annual budget)</p>	✓		Continue to protect and maintain mangrove areas.
<b>6. ENVIRONMENTAL RESEARCH</b>					
	<p><b>6.1 Petcoke Ash Sampling for other beneficial uses</b></p>	<p>GPI started the conduct of research for its</p>	✓		Continue to conduct environmental



**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
	The total budget for CY 2021 is PHP 11,000.00	technical paper: "Petcoke Ash Sampling for other beneficial uses" which already costs PHP5,520.00 for quarters under review (100.40% of the budget)			research and utilize the outcome of the results.
	7. OTHERS (E.G. TRAINING/WORKSHOPS/ CONFERENCES/LINKAGES/ MMT/MRFC ETC.)				
	7.1 Multi-Partite Monitoring Team (MMT)	1 MMT monitoring (100% of the target) was conducted with a reported cost of PHP 81,600.00 (1990% of the budget)	✓		Continue to conduct the MMT activities for CY 2022
	For this quarter, the plan is to conduct 1 MMT monitoring with a budget of PHP81,600.00  The total budget for CY 2021 is PHP 24,000.00	To date, GPI spent a total of PHP421,248.80 (1755% of the total budget)			
	7.2 Mine Rehabilitation Fund Committee (MRFC)	To date, GPI spent 112,992.00 (56% of the total budget)	✓		Continue to conduct the MRFC activities for CY 2022
	The plan is to conduct MRFC meeting quarterly with a budget of PHP200,000.00				
	7.3 MPP Validation	1 MPP validation was conducted with a reported cost of PHP16,000.00 (100% of the budget)	✓		Continue to conduct MPP validation
	To conduct 1 MPP validation with a budget of PHP16,000.00 in the 2 <sup>nd</sup> quarter.				
	7.4 SHES	1 SHES validation was conducted in the 2 <sup>nd</sup> quarter with a reported cost of PHP15,115.18 (94.46% of the budget)	✓		Continue to conduct SHES validation
	To conduct 1 SHES Validation for the year with a budget of PHP16,000.00 in the 3 <sup>rd</sup> quarter.				
	7.5 Trainings/Seminars/ Workshops	GPI personnel attended the MGB MIMAROPA Stakeholders Forum on September 17, 2021.  No cost was incurred.	✓		Conduct the training for the year.
	No target for this quarter.				
	7.6 ISO 14001:2015 Certification (Environmental Management System)	The processing of securing ISO 14001:2015 is ongoing.			Continue to secure the ISO Certification
	No target for this quarter	Spent PHP59,542.83 (30% of the total budget)			
	8. OTHER FINDINGS, OBSERVATIONS, AND RECOMMENDATIONS				
1) Strict implementation on the proper designation for eating within the plant site.					



### Summary of 4th Quarter 2021 AEPEP Physical Accomplishments

ACTIVITIES	UNIT OF MEASURE	TARGETS					%TARGET	ACCOMPLISHMENTS					% TO DATE
		1Q	2Q	3Q	4Q	ANNUAL		1Q	2Q	3Q	4Q	% FOR THE PERIOD	
<b>1.</b>	<b>2. Land Resource</b>												<b>102%</b>
1.1 Establishment of Bamboo Plantation	No. of hectares	0	10	10		20		0	0	0	20	100%	100%
1.2 Tree Planting/ Maintenance at Plant	No. of hectares		1		1	3		1	1	1	0	100%	100%
1.3 Imposition of Environmental Control Measures (Dump truck covering, cleaning, etc) during Limestone and Petcoke Hauling Activities	No. of hauling	4	4	4	3	15		4	4	4	4	133%	107%
<b>2.</b>	<b>3. Water Resource and Quality</b>												<b>100%</b>
3.1 Maintenance of Drainage System and Others (e.g. general housekeeping of Petcoke, KILN, and MOL Plant, etc.)	No. of drainage maintained	4	4	4	4	4		4	4	4	4	100%	100%
3.2 Desilting and Maintenance of Wash Pond, Silt Ponds, OSD, etc.	No. of silt collector maintained	4	4	4	4	4		4	4	4	4	100%	100%

**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Original Quarter 2021 Compliance Report to DIO 2021 - 02 JANUARY 2022														
ACTIVITIES	UNIT OF MEASURE	TARGETS					%TARGET	ACCOMPLISHMENTS						
		1Q	2Q	3Q	4Q	ANNUAL		1Q	2Q	3Q	4Q	% FOR THE PERIOD	TOTAL TO DATE	% TO DATE
3.3 Waste Management (Solid and Hazardous Wastes)	No. of facilities maintained	2	2	2	2	2		2	2	2	2	100%	2	100%
4.	5. Noise and Vibration %	100												
5.1 Fabrication, Installation and Maintenance of Noise Control Measures in RMH Discharge Chute and Others	No. of Noise Control Installed and Maintained	2	2	2	2	2		2	2	2	2	100%	2	100%
6.	7. Air Quality 65%													
7.1 Maintenance of Air Pollution Control Equipment/ Devices (e.g. Replacement of filter bags, repair of gas trap, etc.)	No. of APCE/D maintained	3	3	3	3	3		3	3	3	3	100%	3	100%
7.2 Road Watering and Street Sweeping	No. of road watering and sweeping activities	90	90	90	90	360		90	90	90	90	100%	360	100%
7.3 In-house Air Quality Monitoring using Gastec Detector Tube	No. of sampling conducted	3	3	3	3	12		3	3	3	3	100%	3	100%



**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

Orizaba Quarter 2021 Compliance Report to DIO 2021 - 021117000														
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**GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B**

On 14th Quarter 2021 Compliance Report to ISO 14001 - Environmental Management System														
ACTIVITIES	UNIT OF MEASURE	TARGETS					%TARGET	ACCOMPLISHMENTS					% TO DATE	
		1Q	2Q	3Q	4Q	ANNUAL		1Q	2Q	3Q	4Q	% FOR THE PERIOD		TOTAL TO DATE
13.5 Training/ Seminars/ Workshop	No. of Training Conducted		1			1			1			1		100%
13.6 ISO 14001 - 2015 (Environmental Management System)	No. of Certificate				1	1			-			-		0%
								AVERAGE					74%	79%



### AEPEP 2021 FINANCIAL EXPENDITURES, AS OF 4<sup>th</sup> Quarter 2021

ACTIVITIES	BUDGET				ACTUAL EXPENDITURES							% TO DATE	
	1Q	2Q	3Q	4Q	ANNUAL	1Q	2Q	3Q	4Q	% FOR THE PERIOD	TOTAL TO DATE		
1. Land Resource													146%
1.1 Establishment of Bamboo Plantation		350,000.00	350,000.00		700,000.00	-	-	-	-	0%	-	0%	
1.2 Tree Planting/Maintenance at Plant		7,500.00		7,500.00	15,000.00	9,800.00	8,400.00	15,750.00	15,750	210%	49,700	331%	
1.3 Imposition of Environmental Control Measures (Dump truck covering, cleaning etc) during Limestone and Petcoke Hauling Activities	1,333.33	1,333.33	1,333.33	1,333.33	5,000.00	1,335.00	1,335.00	960.00	46,659.49	3,499%	50,289.49	1006%	
2. Water Resource and Quality													128%
2.1 Maintenance of Drainage System and Others (e.g. general housekeeping of Petcoke, KILN, and MOL Plant, etc.)	12,500.00	12,500.00	12,500.00	12,500.00	50,000.00	12,735.00	30,990.00	12,600.00	12,600	100.8%	68,925.00	138%	
2.2 Desilting and Maintenance of Wash pond, Silt Ponds, OSD etc.	17,500.00	17,500.00	17,500.00	17,500.00	70,000.00	33,600.00	21,000.00	18,900.00	18,900	108%	92,400.00	132%	
2.3 Waste Management (Solid and Hazardous Wastes)	2,625.00	2,625.00	2,625.00	2,625.00	10,500.00	2,700.00	3,000.00	3,150.00	3,150.00	120%	12,000.00	114%	
3. Noise and Vibration													126%
3.1 Installation and Maintenance of Noise Control Measures in RMH Discharge Chute	1,212.50	1,212.50	1,212.50	1,212.50	4,850.00	2,270.00	1,280.00	1,280.00	1,280	105%	6,110.00	126%	

## GPI 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

[illegible]



### Photo Documentation



MMT Entry Meeting



The MMT at GPI





Monitoring of newly concreted road inside GPI facility







Good hazardous wastes management was observed







Foods on the table near the hazardous waste disposal was observed.



Good housekeeping was observed





Continuous road concreting inside the plant site



Deposited silt was already removed



**NATIONAL GREENING PROGRAM**  
**MMT Validation Report**  
For 3<sup>rd</sup> Quarter CY 2021

- I. NAME OF COMPANY** : GRAYMONT (PHILIPPINES) INC.  
**Location** : Rio Tuba Export Processing Zone, Brgy. Rio Tuba, Bataraza, Palawan  
**Tenement No.** : MPP No. 15-2014-IVB (1<sup>st</sup> Renewal)  
**Year Mining Forest was Initiated:** Plant Site : 2015  
Mangrove : October 24, 2018

**II. ACCOMPLISHMENTS:**

- A. DEVELOPMENT PLANS:** ☒ Long-Range Plan ☒ Annual Plan  
*(Attach photocopy(ies).)*

- Annual EPEP
- 2019-2020 Reforestation Plan

**B. NURSERY OPERATIONS:**

☐ Own Nursery ☒ Joint Venture ☐ Acquired from Other Sources

Name of Nursery	Area (m <sup>2</sup> /ha)	Capacity (No. of Seedlings Produced)*
Rio Tuba Mangrove Ecosystem Developers in Brgy. Sarong, Bataraza, Palawan	229.56 m <sup>2</sup>	25,000

**Seedling Inventory for the Year**

No. of Seedlings				No. of Seedlings Out-Planted		No. of seedlings donated	Balance in Stocks
Previous Stocks	Produced	Acquired	Total	Planted for the Year	Replanted for the Year		
0	0	0	0	0	0	0	0

Note : Replanting activity of Rio Tuba Mangrove Ecosystem Developers in Brgy. Sarong, Bataraza, Palawan is seasonal to ensure availability of propagules.

**C. EXTENT OF PLANTED AREAS (ha)**

Total Area Planted to Date : 33.0  
Plant Site : 3.0  
Mangrove Site : 30.0  
Sub-total : 33.0  
Previous Plantations : 33.0  
New Plantations or Expansion : 0

*(Attach a reforestation map of scale 1:25,000 showing distinctly the previous plantations from the new plantations or expansions.)*

Continuous project patrol works, maintenance, and protection activities will be implemented for the rehabilitation of 30-hectare mangrove project and greening program within plant site. Additional 2,394 seedlings were planted as part of the enrichment activity. Photo documentation is attached as Annex I.

The 20-hectare Bamboo Plantation is done with its land preparation stage and seedlings are now ready to be planted. Plantation establishment is to be implemented upon the finalization of MOA. Attached as Annex II is the Map of the Project Site.



## D. DISTURBED AREAS (ha)

### 1. Areas directly affected by the operations

(Itemize all areas in a separate sheet.)

Disturbed Area	Area (has.)
Plant Nursery	0.2223
Laboratory Facility	0.02745
Office Facilities	0.0633
Plant Facilities	3.9252
Road Networks	2.509
Stockyard Facilities	0.8536
Sedimentation Tank	0.016
Canteen Building	0.056
On-site Detention (OSD) Tanks	0.035
OSD Tanks Extension	0.021
MOL semi-finished muster point	0.0512
MOL semi-finished bund wall	0.0306
Diesel Storage Area	0.0108
Limestone Washing Tank	0.037
Guardhouse and Weighbridge	0.024
Fire Pump House	0.0025
Others	0.175
<b>TOTAL</b>	<b>8.06</b>

### 2. Environmental Incidence Resulting to Damages

	Yes	Area Affected (ha)	No
a. Tailings dam failure			x
b. Waste dump failure			x
c. Shrinkage/subsidence			x
d. Induced slides			x
e. Others (specify)			x
<b>T o t a l</b>			

(Note: Exclude areas that were previously rehabilitated.)

## E. MAINTENANCE AND PROTECTION

### 1. Plantation Activities (Within the Plant)

Aspect	(<JJ-18))	Recent				Latest	Sub-total (Recent + Latest)	Grand Total
		JD18-JJ19	JD19-JJ20	JD20-JJ21	Sub-Total			
No. of Seedlings Planted	2801	0	0	0	0	0	0	2,801
No. of Seedlings Replanted	0	0	0	0	0	0	0	0
No. of Surviving Plants	2705	0	0	0	0	0	0	2,705
Survival	97	0	0	0	0	0	0	97

### 2. Plantation Activities (30 hectares Mangrove Area)

3rd Quarter 2021								
Aspect	(<JJ-18))	Recent				Latest	Sub-total (Recent + Latest)	Grand Total
		JD18-JJ19	JD19-JJ20	JD20-JJ21	Sub-Total			
No. of Seedlings Planted	0	25606	49700	0	75,306	2394	77,700	77,700
No. of Seedlings Replanted	0	0	17000	22000	39,000	0	39,000	39,000
No. of Surviving Plants	0	22500	46690	0	69,190	2154.6	71,345	71,345
Survival	NA	88	93	90	91	90	91	91

Note:

For old plantation, plantation within plant site started 1<sup>st</sup> Semester of 2018

For recent plantation, all plantations starting from 2<sup>nd</sup> Semester of 2018 to June 2021

For latest plantation, consider those for the periods July 2021 to June 2022.

2. No. of Persons Involved

- a. No. of company foresters : 2- assistance from CENRO  
 b. No. of deputized forest guards (or DENROs) : 1 (designated by the company)  
 c. No. of reforestation personnel : 3  
 d. No. of local residents involved (community involvement) : 20

3. Vigorousness: / / Highly Vigorous /x/ Vigorous

4. Maintenance and Protection

	Yes	No	MOL Plant Coverage (ha)	Yes	No	Mangrove Coverage (ha)
Control of forest fires by establishment and construction of fireline/ firebreaks/fire towers	X		0.03		X	
Brushing/weeding/mulching/pruning	X		0.30		X	
Fertilizer/lime/pesticide/chemical application	X		0.26		X	
Water spraying	X		0.30		X	
Control of forest pests and diseases	X		3.0		X	
Patrol work	X		3.0	X		30
Forest law enforcement	X		3.0	X		30
Replanting/Enrichment plating & removal of barnacles				x		30
Others (please specify)						

F. OTHER ENVIRONMENTAL FACTORS

1. Species Diversity within Plant Site

Tree Species	Spacing (m x m)
Bamboo ( <i>Bambusa sp.</i> )	3x3
Narra ( <i>Pterocarpus indicus</i> )	3x3
Ipil ( <i>Instia bijuga</i> )	3x3
Mangium ( <i>Acacia mangium</i> )	3x3
Palawan Cherry ( <i>Cassia sp</i> )	5x5
Tonkat ali ( <i>Eurycoma longifolia</i> )	3x3
Palomaria ( <i>Calophyllum sp</i> )	3x3
Grasses	1ftx1ft
Creeping vine	1ftx1ft
Udling ( <i>Eugenia sp</i> )	3x3
Others	3x3, 2x2

Note: Other species are subject for species identification.

Species Diversity in adopted NGP mangrove area in Brgy. Sarong

Tree Species	Spacing (m x m)
Pututan ( <i>Avicenia sp.</i> )	2x2
Tangal ( <i>Ceriops tagal</i> )	2x2
Bakauan lalaki ( <i>Rhizophora apiculata</i> )	2x2



2. Research/Studies on reforestation conducted:  
Is there any research/study on reforestation conducted?  
/ (Attach copy(ies).) /X/ None

3. IEC on reforestation:  
Is there any IEC activities (in the form of publication, public dissemination, lectures, etc.) initiated for the Community?

**AVP showing the increased in mangrove forest cover and biodiversity in the rehabilitation site was prepared to be posted on our Social Media page.**

*(Attach photocopy/ies of publication and other IEC papers.)*

4. Services to the Community

Is there any reforestation assistance extended by the Company to the Community during the period under review?

If yes, enumerate and specify the kind and value of assistance extended.

***Even the Company only leasing 8.06 hectares from RTNMC, it managed to fully rehabilitate a 30-hectare mangrove denuded area in Brgy. Sarong, Bataraza, Palawan. As part of Company's goal to generate economically viable livelihood projects, a local people's organization was tapped to implement the project. Another project of the Company this 2021 is the Plantation of 20 hectares Bamboo Plantation.***

If assistance was by seedling donation, specify how many seedlings were donated.

5. Other Conservation Measures

- a. Is there any reforestation assistance extended by the Company to the Community during this period under review?

*If yes, enumerate and specify the kind and value of assistance extended.*

*If assistance was by seedling donation, specify how many seedlings were donated.*

***Released of Php 270,000.00 fund for the continuous protection and maintenance of 30 hectares mangrove rehabilitation project funded by the Company to Rio Tuba Mangrove Ecosystem Developers.***

- b. Landscaping of mine and/or plant site surroundings?

Yes X Area 3.0 has. No     

- c. Use of vines and grasses for initial rehabilitation?

Yes X Area 3.0 has. No     

Specify type/kind of vines/grasses: carabao grass

- d. Establishment of herbal and ornamental garden:

Yes X Area: Ornamental Garden 326.5 m<sup>2</sup>

6. Wildlife and Faunal Migration:

Is there an actual sighting of wildlife/fauna in the reforestation area during validation?

- Butterfly
- Monitor Lizard (*Varanus Bitatawa*)



- Birds (*Longchura atricapilla*)
- Snake
- Flying foxes
- Fiddler crabs

#### **FINDINGS/OBSERVATION:**

1. Continuous maintenance and protection of trees/seedlings planted within plant site and mangrove area as evidenced of high survival rate.
2. Participation and engagement of community resident/people's organization in the mangrove rehabilitation activities and bamboo propagules/culm propagation,
3. Availability of bamboo propagules ready for planting produced by the contracted people's organization
4. Physical accomplishment submitted for the 3<sup>rd</sup> quarter 2021 were validated and found to be fully accomplished and complied the recommendation in the previous MMT validation.

#### **RECOMMENDATION:**

1. Sustain/Continue the good practices, initiatives and strategies in the implementation of different programs/projects/activities as per approved AEPEP.
2. Fast track the planting of bamboo with commitment of 20 hectares to accomplished this CY 2021
3. Continue/Sustain the maintenance and protection of the mangrove rehabilitated area.

#### **Validated by:**

**CONRADO M. CORPUZ**  
DENR –CENRO

**SAMUEL CALIGDONG**  
BFAR

**INOCENCIO C. MAGALLANES**  
Harribon Palawan

**ATTY. NOEL AQUINO**  
PG-ENRO

#### **Conforme:**

**BOB ROBIN M. CAMO**  
MEPEO

**ENGR. ALVIN TRAZONA**  
Plant Manager



## PHOTO DOCUMENTATION



***Fully Planted Area in GRAYMONT Plant (North Perimeter)***



***Fully Planted Area in GRAYMONT Plant (West Perimeter)***



***Fully Planted Area in GRAYMONT Plant (West Perimeter)***





***30 Hectares Mangrove Plantation***



***30 Hectares Mangrove Plantation***





**GRAYMONT Bamboo Plantation Map (Area provided by RTNMC)**



**Available Bamboo Propagules**



**Available Bamboo Propagules**



**NATIONAL GREENING PROGRAM  
MMT VALIDATION REPORT  
COVERING 4<sup>TH</sup> Quarter CY 2021 ACCOMPLISHMENT**

**DATE OF VALIDATION :** February 20-25, 2022

**I. NAME OF COMPANY :** GRAYMONT (PHILIPPINES) INC.  
**Location :** Rio Tuba Export Processing Zone, Brgy. Rio Tuba, Bataraza, Palawan  
**Tenement No. :** MPP No. 15-2014-IVB (1<sup>st</sup> Renewal)  
**Year Mining Forest was Initiated:** Plant Site : 2015  
Mangrove : October 24, 2018

**II. ACCOMPLISHMENTS:**

**A. DEVELOPMENT PLANS:** ☒ Long-Range Plan ☒ Annual Plan  
*(Attach photocopy(ies).)*

- Annual EPEP
- 2019-2020 Reforestation Plan

**B. NURSERY OPERATIONS:**

☐ Own Nursery ☒ Joint Venture ☐ Acquired from Other Sources

Name of Nursery	Area (m <sup>2</sup> /ha)	Capacity (No. of Seedlings Produced)*
Rio Tuba Mangrove Ecosystem Developers in Brgy. Sarong, Bataraza, Palawan	229.56 m <sup>2</sup>	25,000

**Seedling Inventory for the Year**

No. of Seedlings				No. of Seedlings Out-Planted		No. of seedlings donated	Balance in Stocks
Previous Stocks	Produced	Acquired	Total	Planted for the Year	Replanted for the Year		
0	0	0	0	0	0	0	0

*Note : Replanting activity of Rio Tuba Mangrove Ecosystem Developers in Brgy. Sarong, Bataraza, Palawan is seasonal to ensure availability of propagules.*

**C. EXTENT OF PLANTED AREAS (ha)**

Total Area Planted to Date : 33.0  
Plant Site : 3.0  
Mangrove Site : 30.0  
Sub-total : 33.0  
Previous Plantations : 33.0  
New Plantations or Expansion : 0

*(Attach a reforestation map of scale 1:25,000 showing distinctly the previous plantations from the new plantations or expansions.)*

Continuous project patrol works, maintenance, and protection activities will be implemented for the rehabilitation of 30-hectare mangrove project and greening program within plant site. Additional 1,500 seedlings were planted as part of the enrichment activity. Photo documentation is attached as Annex I.

The Bamboo Plantation establishment, bamboo propagules are now ready to be planted. Plantation establishment is to be implemented upon the finalization of MOA. Attached as Annex II is the Map of the Project Site.



## D. DISTURBED AREAS (ha)

### 1. Areas directly affected by the operations

(Itemize all areas in a separate sheet.)

Disturbed Area	Area (has.)
Laboratory Facility	0.02745
Office Facilities	0.0633
Plant Facilities	3.9252
Recreation Facilities (Garden Front of Admin)	0.175
Road Networks	2.509
Stockyard Facilities	0.8536
Guardhouse and Weighbridge	0.024
Sedimentation Tank	0.016
Canteen Building	0.056
On-site Detention (OSD) Tanks	0.035
OSD Tanks Extension	0.021
MOL semi-finished muster point	0.0512
MOL semi-finished bund wall	0.0306
Diesel Storage Area	0.0108
Limestone Washing Tank	0.037
Guardhouse and Weighbridge	0.024
Fire Pump House	0.0025
Planted lot area with trees & other plants (including plant nursery area)	3.0
<b>TOTAL</b>	<b>8.06</b>

### 2. Environmental Incidence Resulting to Damages

	Yes	Area Affected (ha)	No
a. Tailings dam failure			x
b. Waste dump failure			x
c. Shrinkage/subsidence			x
d. Induced slides			x
e. Others (specify)			x
<b>T o t a l</b>			

(Note: Exclude areas that were previously rehabilitated.)

## E. MAINTENANCE AND PROTECTION

### 1. Plantation Activities (Within the Plant)

Aspect	(<JJ-18))	Recent				Latest	Sub-total	Grand Total
		JD18-JJ19	JD19-JJ20	JD20-JJ21	Sub-Total	JD21-JJ22	(Recent + Latest)	
No. of Seedlings Planted	2801	0	0	0	0	0	0	2,801
No. of Seedlings Replanted	0	0	0	0	0	0	0	0
No. of Surviving Plants	2705	0	0	0	0	0	0	2,705
Survival	97	0	0	0	0	0	0	97

### 2. Plantation Activities (30 hectares Mangrove Area)

3rd Quarter 2021								
Aspect	(<JJ-18))	Recent				Latest	Sub-total	Grand Total
		JD18-JJ19	JD19-JJ20	JD20-JJ21	Sub-Total	JD21-JJ22	(Recent + Latest)	
No. of Seedlings Planted	0	25606	49700	0	75,306	2394	77,700	77,700
No. of Seedlings Replanted	0	0	17000	22000	39,000	0	39,000	39,000
No. of Surviving Plants	0	22500	46690	0	69,190	2154.6	71,345	71,345
Survival	NA	88	93	90	91	90	91	91

Note:

For old plantation, plantation within plant site started 1<sup>st</sup> Semester of 2018

For recent plantation, all plantations starting from 2<sup>nd</sup> Semester of 2018 to June 2021

For latest plantation, consider those for the periods July 2021 to June 2022.



2. No. of Persons Involved

- a. No. of company foresters : 2- assistance from CENRO  
 b. No. of deputized forest guards (or DENROs) : 1 (designated by the company)  
 c. No. of reforestation personnel : 3  
 d. No. of local residents involved (community involvement) : 20

3. Vigorousness: / / Highly Vigorous /x/ Vigorous

4. Maintenance and Protection

	Yes	No	MOL Plant Coverage (ha)	Yes	No	Mangrove Coverage (ha)
Control of forest fires by establishment and construction of fireline/ firebreaks/fire towers	X		0.03		X	
Brushing/weeding/mulching/pruning	X		0.30		X	
Fertilizer/lime/pesticide/chemical application	X		0.26		X	
Water spraying	X		0.30		X	
Control of forest pests and diseases	X		3.0		X	
Patrol work	X		3.0	X		30
Forest law enforcement	X		3.0	X		30
Replanting/Enrichment plating & removal of barnacles				x		30
Others (please specify)						

**F. OTHER ENVIRONMENTAL FACTORS**

1. Species Diversity within Plant Site

Tree Species	Spacing (m x m)
Bamboo ( <i>Bambusa sp.</i> )	3x3
Narra ( <i>Pterocarpus indicus</i> )	3x3
Ipil ( <i>Instia bijuga</i> )	3x3
Mangium ( <i>Acacia mangium</i> )	3x3
Palawan Cherry ( <i>Cassia sp</i> )	5x5
Tonkat ali ( <i>Eurycoma longifolia</i> )	3x3
Palomaria ( <i>Calophyllum sp</i> )	3x3
Grasses	1ftx1ft
Creeping vine	1ftx1ft
Udling ( <i>Eugenia sp</i> )	3x3
Others	3x3, 2x2

Note: Other species are subject for species identification.

Species Diversity in adopted NGP mangrove area in Brgy. Sarong

Tree Species	Spacing (m x m)
Pututan ( <i>Avicenia sp.</i> )	2x2
Tangal ( <i>Ceriops tagal</i> )	2x2
Bakauan lalaki ( <i>Rhizophora apiculata</i> )	2x2



2. Research/Studies on reforestation conducted:  
Is there any research/study on reforestation conducted?  
/ (Attach copy(ies).) /X/ None

3. IEC on reforestation:  
Is there any IEC activities (in the form of publication, public dissemination, lectures, etc.) initiated for the Community?

**AVP showing the increased in mangrove forest cover and biodiversity in the rehabilitation site.**

*(Attach photocopy/ies of publication and other IEC papers.)*

4. Services to the Community

Is there any reforestation assistance extended by the Company to the Community during the period under review?

If yes, enumerate and specify the kind and value of assistance extended.

**Graymont Philippines Inc. rehabilitated a 30-hectares mangrove denuded area in Barangay Sarong, Bataraza, Palawan. As part of Company's goal to generate economically viable livelihood projects, a local people's organization was tapped to implement the project. Fifteen (15) IPs were contracted for the Mangrove Rehabilitation Project and 5 IP Gardeners were hired to implement the Greening Program within Plant perimeter.**

If assistance was by seedling donation, specify how many seedlings were donated.

5. Other Conservation Measures

- a. Is there any reforestation assistance extended by the Company to the Community during this period under review?

*If yes, enumerate and specify the kind and value of assistance extended.*

*If assistance was by seedling donation, specify how many seedlings were donated.*

***The Rio Tuba Mangrove Ecosystem Developers, receives a quarterly payment of P90,000.00 for the tree plantation and care and maintenance activities in the mangrove site.***

- b. Landscaping of mine and/or plant site surroundings?

Yes X Area 3.0 has. No     

- c. Use of vines and grasses for initial rehabilitation?

Yes X Area 3.0 has. No     

Specify type/kind of vines/grasses: carabao grass

- d. Establishment of herbal and ornamental garden:

Yes X Area: Ornamental Garden 326.5 m<sup>2</sup>

6. Wildlife and Faunal Migration:

Is there an actual sighting of wildlife/fauna in the reforestation area during validation?

- |  |               |
|--|---------------|
| ■ Butterfly                                  | Flying foxes  |
| ■ Monitor Lizard ( <i>Varanus Bitatawa</i> ) | Fiddler crabs |
| ■ Birds ( <i>Longchura atricapilla</i> )     |               |
| ■ Snakes                                     |               |



**MMT's FINDINGS/OBSERVATION and RECOMMENDATIONS:**

<b>FINDINGS/OBSERVATIONS</b>	<b>RECOMMENDATIONS</b>
1.. Continuous maintenance and protection of trees/seedlings planted within plant site perimeter as evidence of high survival rate.	Continue/Sustain the activities
2.. Continuous maintenance and maintenance of mangrove rehabilitation project as evidence of high survival rate	Continue/Sustain the activities
3.. Engagement of people's organization in the maintenance and protection of mangrove project including seedling production of bamboo propagules	Continue the engagement of PO which provide employment and/or source of alternative livelihood
4.. Bamboo plantation establishment contracted to people's organization including seedling/propagules production	<p>Fast tract the execution of contract with the people's organization and payment of the contracted completed and accomplished activities</p> <p>Construct/ Establish fire line or fire breaks to prevent fire occurrence considering the area is a cogonal which is prone to fire</p> <p>Install signage indicating the required information/data for monitoring purposes</p>
5. Designation of DENRO's by the company	Attend the Orientation/Training for deputation of DENRO's scheduled this 2 <sup>nd</sup> quarter 2022. Deputation Order will be issued by the DENR-Regional Executive Director

Validated by:

**CONRADO M. CORPUZ**  
DENR –CENRO

**SAMUEL CALIGDONG**  
BFAR

**INOCENCIO C. MAGALLANES**  
Harribon Palawan

**ATTY. NOEL AQUINO**  
PG-ENRO

Conforme:

**RYNAN PANTALEON**  
PCO

**ENGR. ALVIN TRAZONA**  
Plant Manager



## PHOTO DOCUMENTATION

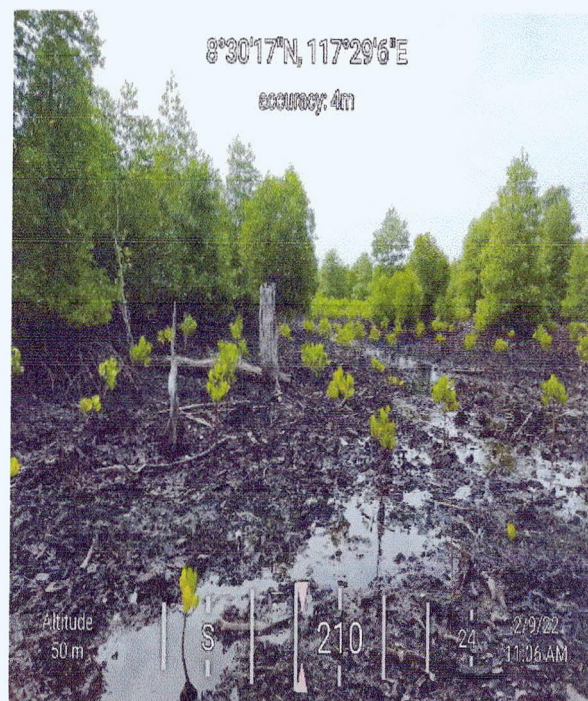
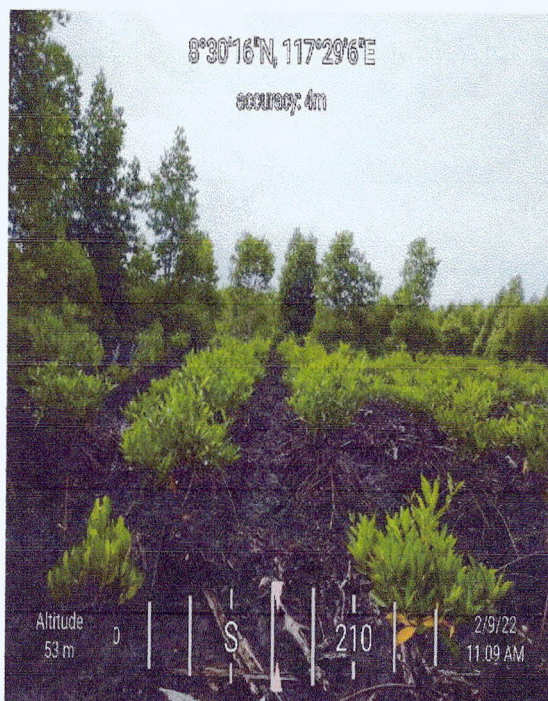


**PLANT SITE COMPOUND / PERIMETER FULLY PLANTED WITH DIFFERENT FOREST TREE SPECIES AND BAMBOO**





## PHOTO DOCUMENTATION



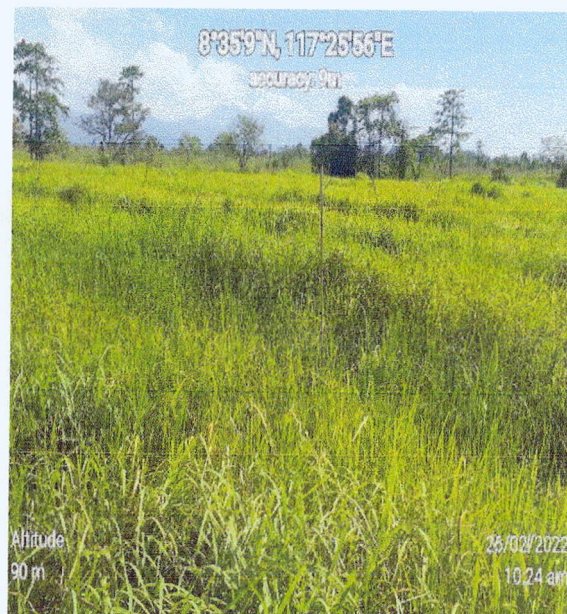
## MANGROVE REHABILITATION PROJECT AT BGY. SARONG, BATARAZA, PALAWAN



Note : Pictures taken during the inspection/validation of CENRO personnel and Company representative last February 9, 2022



## PHOTO DOCUMENTATION



## BAMBOO PLANTATION AT SO, TAGPISA

