



GRAYMONT

4Q2022 MRFC Meeting

EPEP Accomplishment as of December 2022 and Compliance to 3Q2022 MMT findings

Lito O. Ayyokad

MEPEO/PCO

December 14, 2022

1. LAND RESOURCES

Photo-documentation

8.58728 N, 117.43316 E
accuracy: 10m



Altitude 88 m | 830 | N | 80 | 7/22/22 14:27

8.58976 N, 117.43012 E
accuracy: 2m



Altitude 90 m | 245 | W | 80 | 9/22/22 10:03

1.1a Establishment of Bamboo Plantation

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	124,440.00	106,500.00	86%
YTD (annual)	497,760.00	451,550.00	91%

Physical Accomplishment

	Target (Area in has. Planted)	Actual (Area in has. Planted)	Percent Accomplishment
Quarter 4	5	0	0%
YTD (annual)	20	20	100%

Action

100% completed as per validation last September 21, 2022; awaiting report of CENRO Brooke's Point



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1. LAND RESOURCES

Photo-documentation



1.1b Bamboo Propagules Planted

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	51,000.00	51,000.00	100%
YTD (annual)	204,000.00	204,000.00	100%

Physical Accomplishment

	Target (# of propagules Planted)	Actual (# of propagules Planted)	Percent Accomplishment
Quarter 4	1,020	0	0%
YTD (annual)	4,080	4,080	100%

Action

100% completed as per validation last September 21, 2022;
awaiting report of CENRO Brooke's Point

Completed target planted bamboo propagules



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1. LAND RESOURCES

Photo-documentation



1.1c Maintenance of Bamboo Plantation

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	17,544.00	52,500.00	299%
YTD (annual)	70,176.00	105,000.00	150%

Physical Accomplishment

	Target (Area maintained in Has)	Actual (Area maintained in Has)	Percent Accomplishment
Quarter 4	20	20	100%
YTD (annual)	20	20	100%

MMT Recommendation

1. Conduct Fertilizer Application
2. Installation of Cross Bridge
3. Wider Fireline
4. Use of grass cutter during brushing activities

Action:

1. Completed as of November 30, 2022
2. Included in the 2023 AEPEP Budget

1. LAND RESOURCES

Photo-documentation



1.2a Construction of Nursery

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0.00	5,500.00	0%
YTD (annual)	231,449.00	279,375.00	121%

Physical Accomplishment

	Target (nursery established)	Actual (nursery established)	Percent Accomplishment
Quarter 4	0	0	0 %
YTD (annual)	1	0	0 %

MMT Recommendation

Accelerate/Fastrack the establishment of the nursery.

Action

Ongoing construction of the nursery.



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1. LAND RESOURCES

Photo-documentation



1.2b Bamboo propagules production

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0.00	0.00	0%
YTD (annual)	25,000.00	3,000.00	12%

Physical Accomplishment

	Target (#propagules produced)	Actual (# of propagules produced)	Percent Accomplishment
Quarter 4	0	0.00	0 %
YTD (annual)	500	100	20 %

MMT Recommendation

Accelerate/Fastrack the establishment of the nursery.

Action

Ongoing construction of the nursery.

1. LAND RESOURCES

Photo-documentation



1.3a Care and Maintenance

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	23,040.00	25,560.00	111%
YTD (annual)	92,160.00	100,465.00	109%

Physical Accomplishment

	Target (Area in Has.)	Actual (Area in Has)	Percent Accomplishment
Quarter 4	3	3	100%
YTD (annual)	3	3	100%

MMT Recommendation

Regular maintenance and monitoring of planted seedlings to ensure their growth and survival

Action

Hired IP Gardener for its maintenance and PCO conducts regular monitoring.



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2. WATER RESOURCE AND QUALITY

Photo-documentation



Action

Continuous implementation of housekeeping in all plant areas.

2.2 Maintenance of Drainage System and Others (e.g. general housekeeping of Petcoke, KILN and MOL Plant etc.)

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0	0	0%
YTD (annual)	6,750,000.00	6,750,000.00	100%

Physical Accomplishment

	Target (# drainage maintained)	Actual (# drainage maintained)	Percent Accomplishment
Quarter 4	4	4	100%
YTD (annual)	4	4	100%

MMT Recommendation

Regular maintenance of drainage canals shall be conducted to prevent clogging.



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2. WATER RESOURCE AND QUALITY

Photo-documentation



2.3 Waste Management (Solid and Hazardous Waste)

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	3,000.00	3,500.00	117%
YTD (annual)	12,000.00	14,000.00	117%

Physical Accomplishment

	Target (# of hauling)	Actual (# of hauling)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	12	12	100%

MMT Recommendation

Continue to practice proper wastes management.

Action

Proper waste management is practiced.
Scheduled for the disposal of Solid Waste.
Installation of revised signages

Continuous IEC and Toolbox meeting

3. AIR QUALITY

Photo-documentation



3.1 Maintenance of Air Pollution Control Equipment/Devices

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplish
Quarter 4	247,500.00	0	0%
YTD (annual)	990,000.00	1,059,000.00	107%

Physical Accomplishment

	Target (# of APCE/D maintained)	Actual (# of APCE/D maintained)	Percent Accomplishment
Quarter 4	3	3	100%
YTD (annual)	3	3	100%

Action

Monthly maintenance of APCE/D.



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3. AIR QUALITY

Photo-documentation



3.2a Road Network Sprinkled

Physical Accomplishment

	Target (Area in kms)	Actual (Area in kms)	Percent Accomplishment
Quarter 4	0.6	0.6	100%
YTD (annual)	0.6	0.6	100%

MMT Recommendation

Always observe proper maintenance of the roadways within the project site.

Action

Monthly maintenance of APCE/D.

3. AIR QUALITY

Photo-documentation



3.2b Plant Periphery

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	6,000.00	6,000.00	100%
YTD (annual)	24,000.00	24,000.00	100%

Physical Accomplishment

	Target (Area in sq.m)	Actual (Area in sq.m)	Percent Accomplishment
Quarter 4	3,000	3,000	100%
YTD (annual)	3,000	3,000	100%

	Target (# of activity)	Actual (# of activity)	Percent Accomplishment
Quarter 4	5	5	100%
YTD (annual)	20	20	100%



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3. AIR QUALITY

Photo-documentation



3.3a Daily Road Sweeping / Clean Up Activities

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	23,040.00	17,395.00	75%
YTD (annual)	92,160.00	99,345.00	108%

Physical Accomplishment

	Target (Mandays)	Actual (Mandays)	Percent Accomplishment
Quarter 4	72	49	68%
YTD (annual)	288	297	103%

MMT Recommendation

Regular sweeping and scraping activities observed within the facility, minimizing mud particles and slip risk.

Action

Hired IP road sweepers to conduct sweeping activities



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3. AIR QUALITY

Photo-documentation



3.3b Petcoke Hauling

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplish
Quarter 4	145,000.00	0.00	%
YTD (annual)	435,000.00	2,680,848.00	616%

Physical Accomplishment

	Target (# of Hauling)	Actual ((# of Hauling)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	3	2	67%



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3. AIR QUALITY

Photo-documentation



3.4a In-house Air Quality Monitoring using Gastec Detector Tube.

Physical Accomplishment

	Target (# of sampling conducted)	Actual (# of sampling conducted)	Percent Accomplishment
Quarter 4	3	3	100%
YTD (annual)	12	12	100%

	Target (# of parameters/sample)	Actual (# of parameters/sample)	Percent Accomplishment
Quarter 4	9	9	100%
YTD (annual)	36	36	100%

Action

Monthly in-house monitoring of air quality is practiced.



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3. AIR QUALITY

Photo-documentation



3.4b In-house Air Quality Monitoring using Gastec Detector Tube.

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	18,564.00	0	0%
YTD (annual)	74,256.00	75,493.60	102%

Physical Accomplishment

	Target (# of tube purchased/used)	Actual (# of tube purchased/used)	Percent Accomplishment
Quarter 4	18	15	83%
YTD (annual)	12	69	575%

MMT Recommendation

Continue the in-house air quality monitoring.

Action

Monthly in-house monitoring of air quality is practiced.



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3. AIR QUALITY

Photo-documentation



Action

Annual stack emission and ambient air sampling.

3.5 Stack Emission and Ambient Air Sampling

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0.00	0.00	0.00%
YTD (annual)	156,000.00	150,000.00	96%

Physical Accomplishment

	Target (# Monitoring conducted)	Actual (# Monitoring conducted)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	1	2	200%

	Target (# of parameters measured)	Actual (# of parameters measured)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	9	9	125%



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4. NOISE AND VIBRATION

Photo-documentation



Maintenance of Noise and Vibration Control Measures in RMH Discharge Chute and Others.

4.1 Installation and Maintenance of Noise Control Measures in RMH Discharge Chute and Others.

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	1,500.00	1,500.00	100%
YTD (annual)	6,000.00	6,000.00	100%

Physical Accomplishment

	Target (No. of maintained of noise control measures)	Actual (No. of maintained of noise control measures)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	4	4	100%

MMT Recommendation

Continue to maintain noise reduction measures.

Action

Regular maintenance conducted.



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5. CONSERVATION VALUES

Photo-documentation



5.1 Mangrove and Bats Habitat Patrolling, Protection and Maintenance

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	90,000.00	0.00	0%
YTD (annual)	360,000.00	180,000.00	50%

Physical Accomplishment

	Target (# of hectares protected and maintained)	Actual (# of hectares protected and maintained)	Percent Accomplishment
Quarter 4	30	30	100%
YTD (annual)	30	30	100%

Action

Continuous protection and maintenance in the rehabilitated site.

Provision of foot bridge and nipa hut



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6. RESEARCH

Photo-documentation



Action
Further study should be conducted

6.1 Petcoke Ash Sampling for other beneficial uses

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0	0	0%
YTD (annual)	11,000	0	0%

Physical Accomplishment

	Target (# of research conducted)	Actual (# of research conducted)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	1	0	0%

	Target (# of progress report)	Actual (# of progress report)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	2	1	50%



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7. OTHERS

Photo-documentation



7.1 Multi-partite Monitoring Team

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	206,750.00	296,493.12	143%
YTD (annual)	827,000.00	584,493.12	71%

Physical Accomplishment

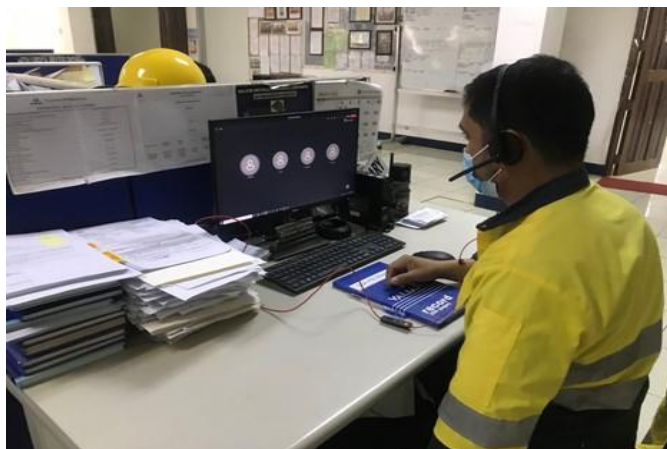
	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	4	4	100%



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7. OTHERS

Photo-documentation



Attendance to Q3 MRFC Meeting
via online

7.2 Mine Rehabilitation Fund Committee Meeting

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	59,000.00	104,607.14	177%
YTD (annual)	236,000.00	231,896.35	98%

Physical Accomplishment

	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	1	1	100%
YTD (annual)	4	4	100%



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7. OTHERS

Photo-documentation



7.3 Mineral Processing Plant Validation

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0.00	0.00	0%
YTD (annual)	16,000.00	24,000.00	150%

Physical Accomplishment

	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	1	1	100%

MMT Recommendation

Continue to conduct MPP validation

Action

MPP Validation was conducted on March 7-8, 2022.



7. OTHERS



EIA Summit; December 1-2, 2022

7.4 Trainings/Seminar/Workshop

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0	19,106.78	%
YTD (annual)	10,000	19,106.78	191%

Physical Accomplishment

	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	0	1	%
YTD (annual)	1	1	100%



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7. OTHERS

Photo-documentation



7.5 Certification: ISO 1400-2015: Environmental Management System (EMS)

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	0	0	0%
YTD (annual)	10,000	183,833.00	1,838%

Physical Accomplishment

	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	1	1	100%

ISO Certifications

ISO 9001: 2015 QMS

ISO 14001: 2015 EMS

ISO 45001: 2018 OHS

Conducted Integrated Management System Internal last

May 13-15,2022



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The above information is confidential to Graymont Limited and may contain Forward-Looking Statements. Please see the Disclaimer on the Home page of the Portal.

8. Company Initiated Activities

Photo-documentation



Environmental Compliance Audit by SGS
July 25-26, 2022

8.1 Third Party Environmental Audit

Financial Accomplishment

	Budget, peso	Expenses, peso	% Accomplishment
Quarter 4	NIL	0	0%
YTD (annual)	NIL	1,821,502.50	0%

Physical Accomplishment

	Target (# of activities)	Actual (# of activities)	Percent Accomplishment
Quarter 4	0	0	0%
YTD (annual)	0	1	0%

SUMMARY (QUARTER)

Table 1. Financial Performance for the 4th Quarter

Activities	4 th Quarter Budget	4 th Quarter Expenses	Balance	Percentage
Land Resources	216,024.00	290,760.00	(74,736.00)	135%
Water Resources and Quality	3,000.00	3,500.00	(500.00)	117%
Air Quality	596,104.00	17,395.00	578,709.00	3%
Noise and Vibration	6,000.00	1,500.00	4,500.00	25%
Biodiversity	90,000.00	0.00	90,000.00	0%
Research	11,000.00	0.00	11,000.00	0%
Others	265,750.00	420,207.04	(154,457.04)	158%
Total	1,182,378.00	733,362.04	449,015.96	62%
Company Initiated Activities	0.00	1,821,502.50		



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SUMMARY (QUARTER)

Table 2. Physical Performance for the 4th Quarter

Activities	4 th Quarter Target	4 th Quarter Actual	Balance	Percentage (%)
Land Resources	1,120	95	1,025	8.5%
Water Resources and Quality	247.25	2,386	(2,138.75)	965%
Air Quality	3,106.60	3,106.60	0	100%
Noise and Vibration	5	4	1	80%
Biodiversity	30	30	0	100%
Research	2	1	1	50%
Others	2	3	(2)	200%
Total	4,508.85	5,625.6	(1,116.75)	124.77%



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SUMMARY (ANNUAL)

Table 3. Financial Performance from January -December 2022

Activities	Annual Budget	YTD Expenses	Percentage
Land Resources	1,120,545.00	1,143,390.00	102%
Water Resources and Quality	6,762,000.00	6,764,000.00	100%
Air Quality	1,771,416.00	4,082,686.60	230%
Noise and Vibration	10,500.00	10,500.00	100%
Biodiversity	360,000.00	180,00.00	50%
Research	11,000.00	0.00	0%
Others	1,099,000	1,043,300.58	95%
Total	11,192,961.00	13,043,877.18	119%
Company Initiated Activities	0.00	1,821,502.50	0%



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SUMMARY (ANNUAL)

Table 4. Physical Performance from January -December 2022





Activities	Annual Target	YTD Actual	Percentage (%)
Land Resources	4,621	4,220	91%
Water Resources and Quality	1,269	14,447	1,138%
Air Quality	3,385	3,453	102%
Noise and Vibration	17	17	100%
Biodiversity	30	30	100%
Research	3	1	33%
Others	11	11	100%
Total	9,336	22,179	238%



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Other Recommendations

3rd Quarter MMT Validation November 22-27, 2022

MMT Team	Findings/Recommendations/Observation	Action / Remarks
Envi	<p>Segregation at source shall be practiced at all times.</p> 	<p>Installation of the revised signage Continuous IEC and Toolbox meeting.</p> 
Envi	<p>Inventory of hazardous waste generation shall be updated.</p> 	<p>Completed. Update posted as of December 5, 2022</p> 


Other Recommendations

MMT Team	Findings/Recommendations/Observation	Action / Remarks
Envi	Storage and disposal of wastes depending on its classification shall always be observed and implemented.	Raised work order: replacement of the signage. Installation of the new signage.
	Other wastes were mixed on the used oil (I101) storage area.	
	Some hazardous wastes were stored in the Materials Recovery Facility	



**GREASE WASTES
and USED OIL**

H802: Grease wastes
I101: Used Industrial Oil including sludge
I102: Vegetable Oil including sludge
I104: Oil Contaminated Materials



**CONTAINERS
and MISCELLANEOUS
WASTES**

J201: Containers previously containing toxic chemical substances
M501: Pathological or Infectious waste
M506: Waste Electrical and Electronic Equipment (WEEE)



**WASTE BATTERIES
and BUSTED BULBS**

D506: Lead Compounds (Waste Batteries)
D507: Mercury and Mercury Compounds (Busted Fluorescents Bulbs)

PCSD	It is further recommended to expand the target stakeholder group in the impact communities aside from the company scholars.	Moving forward. It will be included in the 2023 IEC Plan
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MMT Team	Findings/Recommendations/Observation	Action / Remarks
Sampling	<p>A Movable waiting shed should be considered at Bulanjao Golf Course to be used by the MMT Sampling team while waiting on the sampling to end.</p> <p>To consider purchasing sampling equipment for monitoring purposes of GPI specially for NO_x and SO_x</p>	
MGB - AEPEP	<p>Improved housekeeping and orderliness observed in the petcoke storage and mechanical workshop area.</p> <div data-bbox="164 642 569 721" data-label="Caption"> <p>Petcoke Storage</p> </div> 	<p>Continuous housekeeping</p> <div data-bbox="1323 578 1748 649" data-label="Caption"> <p>Mechanical shop</p> </div>  <p>Continuous activities</p>
MGB-AEPEP	Desilting of OSDT	



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THANK YOU!

Lito O. Ayyokad

MEPEO/PCO

December 14, 2022