

3RD QUARTER 2022 MULTIPARTITE MONITORING TEAM **VALIDATION REPORT**

Graymont (Philippines), Inc.
(MPP No. 15 – 2014 – IVB)

Date of Monitoring: 21 – 26 November 2022

MMT MEMBERS

Name	Agency
Al Janry Tuazon	MGB MIMAROPA
Francis Jade Cometa	MGB MIMAROPA
Nunilon Tanguilig	EMB MIMAROPA
Leonora Mansueto	EMB MIMAROPA
Mark Angelo Rogel	EMB MIMAROPA
Carl Anthony Madamag	EMB MIMAROPA
Swin Tanduyan	EMB MIMAROPA
Leonard Caluya	CENRO Brooke's Pt.
Roland Talabucon	DENR-PENRO
Ana Maria Acosta	PCSDS
Glenda Cadigal	PCSDS
Samuel Caligdong	BFAR
Rodolfo Flores	PEZA
Reynaldo Rivera	MENRO Bataraza

Name	Agency
Noel Aquino	Palawan ENRO
Inocencio Magallanes	Haribon Palawan
Simmy Didik	Brgy. Rio Tuba
Conchita Batiller	Brgy. Sandoval
Havier Matrasal	Brgy. Iwahig
Roger Montaña	AVPP
Gonzalo G. Ong	PO-BACHRISMUPAL
Nonoy Siplan	IPDO-Taratac
Boyett Patio	IPDO-Bohoy

Absent

Name	Agency
Jansen Jontilla	NCIP
Nelson Virgo	PHO

Other Matters/Issues discussed during the entry/exit meeting:

- MMT Insurance
- MMT annual work and financial plan

CONTENT

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OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

1.0 LAND RESOURCES

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
1.1 Establishment of bamboo plantation (including enrichment activity)	hectare	20.0	5.0	15.0	5.0 (100.00%)	15.0 (100.00%)	75.00%
	24,888.00	497,760.00	124,440.00	373,320.00	132,050 (106.12%)	345,050.00 (92.43%)	69.32%
	no. of bamboo propagule planted	4,080	1,020	3,060	1,020 (100.00%)	5,100 (166.67%)	125.00%
	50.00	204,000.00	51,000.00	153,000.00	51,000.00 (100.00%)	153,000.00 (100.00%)	75.00%
1.2 Maintenance of Bamboo Plantation	hectare	20.0	15.0	15.0	15.0 (100.00%)	15.0 (100.00%)	75.00%
	3,508.80	70,176.00	17,544.00	52,632.00	23,040.00 (131.33%)	23,040.00 (43.78%)	32.84%

Remarks/Recommendations:

- Fire lanes at the bamboo plantation should be widened.
- Utilize grasscutter in the maintenance of plantation.

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
1.3 Construction of Nursery	unit	1	-	1	-	0 (0.00%)	0.00%
	231,49.00	231,449.00	-	231,449.00	239,925.00	239,925.00 (103.66%)	103.66%
1.4 Bamboo Propagules Production	no. of bamboo propagule	500	-	500	100	100 (20.00%)	20.00%
	50.00	25,000.00	-	25,000.00	3,000.00	3,000.00 (12.00%)	12.00%
1.6 NGP – Tree Planting and Maintenance at Plant Periphery	hectare	3	3	3	3 (100.00%)	3	
	2,597.40	92,160.00	23,040.00	69,120.00	23,040.00 (100.00%)	68,490.55 (99.09%)	74.32%
	no. of man-day (gardener)	288	72	216	72 (100.00%)	211 (97.69%)	73.26%
TOTAL (PHP)		1,120,545.00	216,024.00	904,521.00	472,055.00 (218.52%)	832,505.55 (92.04%)	74.29%

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 rd Quarter	Quarter	As of 3 rd Quarter	%Annual
2.1 General housekeeping of Petcoke, KILN: Desilting and maintenance of drainage system and MOL Plant						
<i>no. of drainage system maintained</i>	4	4	4	4 (100.00%)	4	
	6,750.000.00	–	6,750.000.00	–	6,750.000.00 (100.00%)	100.00%
<i>no. of backhoe procured</i>	1	–	1	–	1 (100.00%)	100.00%

Remarks/Recommendations:

- Observed the first compartment of the on-site detention tank (**Photo 1**) to be nearly filled with silt.
- Desilting of the detention tank was recommended.
- Good housekeeping at the petcoke storage (**Photo 2**) was observed.



Photo 1. On-site detention.



Photo 2. Petcoke storage facility.

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 rd Quarter	Quarter	As of 3 rd Quarter	%Annual
2.2 Waste Management						
<i>Solid waste production (kg)</i>	520	130	390	859 (660.77%)	2,539 (651.03%)	488.27%
<i>Hazardous waste production (kg)</i>	449	112.25	337	261 (232.52%)	7,906.00 (2,345.99%)	1,760.80%
<i>No. of hauling (solid & hazardous wastes)</i>	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	12,000.00	3,000.00	9,000.00	3,500.00 (116.67%)	10,500.00 (116.67%)	87.50%

Remarks/Recommendations:

- Increase in solid waste generation is due to the ongoing clean up of the piled solid wastes in the scrap yard (**Photo 3**).
- Low volume of target hazardous waste. This will be adjusted in the CY 2023 AEPEP.
- Observed proper storage and labelling of hazardous wastes (**Photo 4**).



Photo 3. Ongoing hauling of scrap materials observed during the monitoring.



Photo 4. Hazardous wastes stored by GPI.

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

2.0 WATER RESOURCES AND QUALITY

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
2.1 General housekeeping of Petcoke, KILN; Desilting and maintenance of drainage system and MOL Plant	no. of drainage system maintained	4	4	4	4 (100.00%)	4	
		6,750.000.00	–	6,750.000.00	–	6,750.000.00 (100.00%)	100.00%
	no. of backhoe procured	1	–	1	–	1 (100.00%)	100.00%
2.2 Waste Management	Solid waste production (kg)	520	130	390	859 (660.77%)	2,539 (651.03%)	488.27%
	Hazardous waste production (kg)	449	112.25	337	261 (232.52%)	7,906.00 (2,345.99%)	1,760.80%
	No. of hauling (solid & hazardous wastes)	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
		12,000.00	3,000.00	9,000.00	3,500.00 (116.67%)	10,500.00 (116.67%)	87.50%
TOTAL (PHP)		6,762,000.00	3,000.00	6,759,000.00	3,500.00 (116.67%)	6,760,500.00 (100.02%)	99.98%

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

3.0 AIR QUALITY							
ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
3.1 Maintenance of Air Pollution Control Equipment/ Devices	no. of APCE/D maintained	3	3	3	3 (100.00%)	3	
		990,000.00	247,500.00	742,500.00	-	1,059,000.00 (142.63%)	106.97%
3.2 Sprinkling of Road Networks and Plant Periphery	road distance (kilometer)	0.6	0.6	0.6	0.6 (100.00%)	0.6	
	plant periphery – area (m ²)	3,000	3,000	3,000	3,000 (100.00%)	3,000	
	no. of road watering activity	20	5	15	5 (100.00%)	15 (100.00%)	75.00%
		24,000.00	6,000.00	18,000.00	6,000.00 (100.00%)	18,000.00 (100.00%)	75.00%

Remarks/Recommendations:

- All sampling stations' particulate matter sampling results are within the standards per review of GPI's submitted 3Q2022 SMR.



Photo 5. Watered road at GPI's plant.

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
3.3 Road Sweeping	no. of mandays (daily)	288	72	216	74 (102.78%)	248 (148.81%)	86.11%
		92,160.00	23,040.00	69,120.00	26,270.00 (114.02%)	81,950.00 (118.56%)	88.92%
	Frequency (during hauling)	3	1	2	1 (100.00%)	2 (100.00%)	66.67%
		435,00.00	145,000.00	290,000.00	0.00 (0.00%)	45,497.97 (15.69%)	10.46%
3.4 Air Quality Monitoring	no. of sampling conducted	12	3	9	3 (100.00%)	9 (100.00%)	75.00%
	no. of parameter analyzed	36	9	27	9 (100.00%)	27 (100.00%)	75.00%
	no. of Gastec detector tube purchased and used	12	3	9	18 (600.00%)	24 (266.67%)	200.00%
		74,256.00	18,564.00	55,692.00	49,504.00 (266.67%)	86,632.00 (155.56%)	116.67%
TOTAL (PHP)		1,615,416.00	440,104.00	1,175,312.00	81,774.00 (18.58%)	1,245,582.00 (105.98%)	77.11%

Remarks/Recommendations:

- All sampling stations' particulate matter sampling results are within the standards per review of GPI's submitted 3Q2022 SMR.
- No financial accomplishment reported for the quarter for as no billing statement was forwarded to the company from the supplier.

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

4.0 NOISE AND VIBRATION							
ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
4.1 Maintenance of Noise Control Measures in RMH Discharge Chutes and Others	no. of maintenance activity	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	3,100.00	6,000.00	1,5000.00	4,500.00	1,500.00 (100.00%)	4,500.00 (100.00%)	75.00%
4.2 Noise Monitoring	no. of monitoring conducted	12	3	9	3 (100.00%)	9 (100.00%)	75.00%
4.3 Calibration of Noise Monitoring Equipment	no. of calibration conducted	1	-	-	-	1	100.00%
		4,500.00	-	-	-	4,500.00 (100.00%)	100.00%
TOTAL (PHP)		10,500.00	1,500.00	4,500.00	1,500.00 (100.00%)	9,000.00 (200.00%)	85.71%

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

5.0 CONSERVATION VALUES							
ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
5.1 Mangrove and Bat Habitat Patrolling, Protection, and Maintenance	hectare	30	30	30	30 (100.00%)	30	
		360,000.00	90,000.00	270,000.00	00 (0.00%)	180,000.00 (66.67%)	50.00%

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

6.0 ENVIRONMENTAL RESEARCH

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
6.1 Petcoke Ash Sampling for other beneficial uses	no. of progress report	2	-	1	-	0 (0.00%)	0.00%
	5,500.00	11,000.00	-	5,500.00	-	0.00 (0.00%)	0.00%

OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

7.0 OTHERS

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
7.1 Multipartite Monitoring Team Validation	no. of monitoring	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	206,750.00	827,000.00	206,750.00	620,250.00	105,600.00 (51.08%)	288,000.00 46.43%)	34.82%
7.2 Mine Rehabilitation Fund Committee Meeting	no. of meeting	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	59,000.00	236,000.00	59,000.00	177,000.00	56,815.00 (96.30%)	127,260.00 (71.90%)	53.92%
7.3 MPP Validation	no. of MPP conducted	1	-	1	-	1 (100.00%)	100.00%
	5,000.00	16,000.00	-	16,000.00	-	24,000.00 (150.00%)	150.00%
7.4 Seminar, Training, and Workshop	no. of training/seminar /workshop	1	-	-	-	-	0.00%
	10,000.00	10,000.00	-	10,000.00	-	-	0.00%

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	% Annual
7.5 Maintenance of ISO 14001 – 2015 (EMS)	no. of certificate maintained	1	-	1	-	1 (100.00%)	133.33%
	6,666.67	10,000.00	-	10,000.00	-	183,833.33 (1,838.33%)	1,838.33%
TOTAL (PHP)		1,099,000.00	265,750.00	833,250.00	162,415.00 (61.12%)	623,093.00 (74.78%)	56.70%