

# 3<sup>RD</sup> QUARTER 2022 MULTIPARTITE MONITORING TEAM **VALIDATION REPORT**

Citininckel Mines and Development Corporation – Toronto Nickel Mining Project  
(MPSA No. 229 – 2007 – IVB)

Date of Monitoring: 21 – 25 November 2022

# MULTIPARTITE MONITORING TEAM MEMBERS

NAME	AGENCY
<b>Both projects</b>	
Venus V. Jesoro	MGB MIMAROPA
Niño Jefferson L. Rojas	EMB MIMAROPA
Zosima D. Jampit	EMB MIMAROPA
Mercedita B. Almorfe	EMB MIMAROPA
John Vincent B. Fabello	PCSDS
Teofilo T. Tredez	NGO – PANLIPI
Fr. Jasper A. Tabangay David C. Bundac	AVPP
Emerico G. Cabanday, Jr.	PG – ENRO

<b>Absent</b>	
Jansen I. Jontilla	NCIP MIMAROPA
Nelson C. Virgo	PHO – Palawan
Ernesto B. Ferrer	BLGU – Bato – bato
Hamrin I. Alip	BLGU – Punang

NAME	AGENCY
<b>Toronto Nickel Mining Project (TNMP)</b>	
Renato S. Gonzaga Rex S. Velasco	CENRO – Quezon
Sheila S. Nalda	MENRO – Narra
Rhante A. Sarmiento	MAO - Narra
Rodelio M. Vicente	IP/ICC - Narra
Roberto G. Aquino	PO – Farmers Organization, Narra
<b>Pulot Nickel Mining Project (PNMP)</b>	
Reynaldo L. Palisoc	CENRO – Brooke's Point
Joefred P. Diaz	MENRO – S. Española
Nimfa M. Bajo	MAO – S. Española
Ricardo A. Palapa	IP/ICC – S. Española
Nerio D. Osano	PO – Irrigators Association, S. Española
Antonio E. Francisco	BLGU – Labog
Jessie G. Galang	BLGU – Pulot Interior

# MATTERS RAISED DURING THE ENTRY & EXIT MEETINGS

NO .	PARTICULAR	DISCUSSION
1	Status of cut logs at PNMP <i>(Raised by Mr. Joefred P. Diaz ,MENRO – S. Española)</i>	Will be included in the field validation Update is reflected under MMT's report for CMDC – PNMP
2	MMT Field uniform <i>(Raised by Mr. Emerico G. Cabanday, Jr., PG – ENRO)</i>	Agreed to include the regular and alternate attendees to the MMT; Ongoing signing of MMT Resolution
3	Both projects' STCEP conditions <i>(Raised by Fr. Jasper A. Tabangay, AVPP)</i>	Will be discussed in the 4Q2022 MMT validation
4	Status of cut logs at TNMP <i>(Raised by Ms. Sheila S. Nalda, MENRO – Narra)</i>	CMDC requested CENRO – Quezon to assess the cut logs' condition at the log deck
5	Request for a copy of PNMP's STCEP and 5-Year SDMP MOA <i>(Raised by Mr. Joefred P. Diaz ,MENRO – S. Española)</i>	LGU - S. Española to request a copy of the STCEP from DENR – CENRO (Brooke's Point) Per company, a copy of the 5 – Year SDMP MOA will be provided next year.
6	Provision of safety signages prior to CMDC – TNMP's control point <i>(Raised by Mr. Teofilo T. Treddez, PANLIPI)</i>	Per company, safety signages were installed.

# CONTENT

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# 1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>1.1 Progressive Rehabilitation – Land Preparation of Mined-Out Areas</b>						
hectare	6.0	0.65	5.11	2.56 <sup>a</sup> (393.85%)	4.5 (88.06%)	75.00%
	13,944,000.00	1,510,600.00	11,875,640.00	4,863,836.38 (321.98%)	10,435,650.76 (87.75%)	74.84%
<b>1.2a Mining Forest Program Plantation (Progressive Rehabilitation – Actual Planting)</b>						
hectare	6.0	3.46	4.46	0.076 <sup>b</sup> (2.20%)	2.016 (45.20%)	33.60%
	240,000.00	135,000.00	175,000.00	40,223.96 <sup>c</sup> (29.80%)	117,421.37 (67.10%)	48.93%
no. of seedling planted	15,000	8,650	11,150	190 (2.20%)	6,253 (56.08%)	41.69%

- Remarks/Recommendations:**
- <sup>a</sup>Land preparation at Block A Rehabilitation Area 6 (**Photos 1 – 2**).
  - Ongoing backfilling at Block A Rehabilitation Area 5 during the time of monitoring (**Photo 3**)
  - <sup>b</sup>Started planting on 27 September 2022 at Block A Rehabilitation Area 6 (**Photos 1 – 2**).
  - <sup>c</sup>Incurred expenses account for the preparatory works prior to planting
  - **Recommendations:**  
 Ensure completion of the target hectarage for the year.  
 For provision of signage (area, species planted, year est.)



**Photo 3.** Ongoing backfilling at Block A Rehab Area 5.



# 1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>1.2b Mining Forest Program (MFP) Plantation</b> <i>(Maintenance of Prev. Rehabilitated Areas through Enrichment Planting)</i>						
<b>no. of seedling planted</b>	<b>8,825</b>	<b>3,700</b>	<b>4,325</b>	<b>5,395<sup>a</sup> (145.81%)</b>	<b>5,495 (127.05%)</b>	<b>62.27%</b>
	<b>270,000.00</b>	<b>115,000.00</b>	<b>135,000.00</b>	<b>116,735. 62 (101.51%)</b>	<b>124,406.00 (92.15%)</b>	<b>46.08%</b>
<b>1.2c Mining Forest Program (MFP) Plantation</b> <i>(Maintenance – Other Maintenance Works except Enrichment Planting)</i>						
<b>hectare</b>	<b>9.63</b>	<b>3.35</b>	<b>8.01</b>	<b>3.35<sup>b</sup> (100.00%)</b>	<b>9.03 (112.73%)</b>	<b>93.77%</b>
	<b>364,000.00</b>	<b>94,000.00</b>	<b>314,000.00</b>	<b>119,911.35 (127.57%)</b>	<b>297,042.35 (94.60%)</b>	<b>81.61%</b>

## Remarks/Recommendations:

- <sup>a</sup>Enrichment planting at portions of Block A Rehabilitation Areas 6 and 8 **(Photos 4 – 5)**
- <sup>b</sup>Covered portions of Block A Rehabilitation Areas 5, 7, and 8. Conducted underbrushing and monitoring **(Photos 6 – 7).**



**Photos 4 – 5.** Enrichment planting at portions of Block A Rehab Area 6



**Photos 6 – 7.** Underbrushing conducted at Block A Rehabilitation Areas 1 (left) and 8 (right).



# 1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>1.6 Nursery Operation: Maintenance of Nurseries</b>						
<i>unit</i>	2	2	2	2 (100.00%)	2	
<b>1.7 Nursery Operation: Seedling Production</b>						
<i>seedling</i>	43,000	1,000	42,000	0 (0.00%)	84,877 (202.09%)	197.39%
<b>1.8 Nursery Operation: Bamboo Cuttings/Culms Production</b>						
<i>bamboo culm/cutting</i>	1,500	250	1,250	0 (0.00%)	1,130 (90.40%)	75.33%
	1,700,000.00	800,000.00	1,400,000.00	455,172.42 <sup>a</sup> (151.72%)	1,755,194.50 (125.37%)	103.25%

## Remarks/Recommendations:

- <sup>a</sup>Covers maintenance of nurseries – Central Nursery (**Photos 8 – 9**) and Satellite Nursery (**Photo 10**).



**Photos 8 – 9.** Seedlings produced at Central Nursery



**Photo 10.** Satellite Nursery at Block A

# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

## 1.0 LAND RESOURCES

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>1.1 Progressive Rehabilitation – Land Preparation</b>	hectare	6.0	0.65	5.11	2.56 (393.85%)	4.5 (88.06%)	75.00%
	2,324,000.00	13,944,000.00	1,510,600.00	11,875,640.00	4,863,836.38 (321.98%)	10,435,650.76 (87.75%)	74.84%
<b>1.2 Mining Forest Plantation</b>	hectare	6.0	3.46	4.46	0.076 (2.20%)	2.016 (45.20%)	33.60%
	40,000.00	240,000.00	135,000.00	175,000.00	40,223.96 (29.80%)	115,421.37 (65.96%)	48.09%
	no. of seedling (newly-established)	15,000	8,650	11,150	190 (2.20%)	6,253 (56.08%)	41.69%
	no. of seedling (enrichment planting)	8,825	3,700	4,325	5,395 (145.81%)	5,495 (127.05%)	62.27%
	30.59	270,000.00	115,000.00	135,000.00	116,735. 62 (101.51%)	124,406.00 (92.15%)	46.08%
	hectare (area maintained)	9.63	3.35	8.01	3.35 (100.00%)	9.03 (112.73%)	93.77%
	37,798.55	364,000.00	94,000.00	314,000.00	119,911.35 (127.57%)	297,042.35 (94.60%)	81.61%



ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>1.3 Bamboo Plantation</b>	hectare	0.20	0.20	0.20	0 (0.00%)	0 (0.00%)	0.00%
	50,000.00	0.00	10,000.00	10,000.00	0 (0.00%)	0 (0.00%)	0.00%
	no. of bamboo culm/cutting planted	500	500	500	0 (0.00%)	0 (0.00%)	0.00%
<b>1.4 National Greening Program (NGP)</b>	no. of NGP area maintained	7	7	7	5 (71.43%)	7	
	31,578.95	600,000.00	100,000.00	550,00.00	90,664.00 (90.66%)	467,630.15 (85.02%)	77.94%
	no. of seedling planted	400	-	200	-	744 (387.00%)	193.50%
	35.00	14,000.00	-	14,00.00	-	17,568.54 (250.98%)	125.49%
<b>1.5 Temporary Revegetation Program (TRP)</b>	no. of TRP area maintained	5	5	5	5 (100.00%)	5	
	19,200.00	96,000.00	24,00.00	72,000.00	13,688.48 (56.95%)	127,424.73 (176.98%)	132.73%

#### Remarks/Recommendations:

- Maintained **NGP** areas cover a total of **10.22 ha**.
- Maintained **TRP** areas cover a total of **11.40 ha**.

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
1.6 Nursery Operation: Maintenance of Nurseries	unit	2	2	2	2 (100.00%)	2	
1.7 Nursery Operation: Seedling Production	seedling	43,000	1,000	42,000	0 (0.00%)	84,877 (202.09%)	197.39%
1.8 Nursery Operation: Bamboo Cuttings/Culms Production	cutting/culm	1,500	250	1,250	0 (0.00%)	1,130 (90.40%)	75.33%
		1,700,000.00	300,000.00	1,400,000.00	455,172.41 (151.72%)	1,755,194.50 (125.37%)	103.25%
1.9 Nursery Operation: Vermicomposting	kilogram	2,400	600	1,800	360 (60.00%)	2,235 (124.17%)	93.13%
	29.17	70,000.00	17,500.00	52,500.00	20,810.45 (118.92%)	74,320.15 (141.56%)	106.17%
1.10 Horticulture Project	kilogram	400	200	350	276.5 (138.25%)	623 (178.00%)	155.75%)
	225.00	90,000.00	35,000.00	75,000.00	42,257.76 (120.74%)	90,227.76 (120.30%)	100.25%
TOTAL (PHP)		17,398,000.00	2,341,100.00	14,666,140.00	5,763,281.36 (246.18%)	13,506,886.31 (92.10%)	77.63%

## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
<b>2.1 Construction of Additional Silt Control Structures</b>						
<b>no. of silt structure</b>	1	0	1 <small>(2<sup>nd</sup> Quarter target)</small>	1 <sup>a</sup>	1 <b>(100.00%)</b>	100.00%
	1,076,000.00	0	1,076,000.00	196,815.00 <sup>b</sup>	1,084,822.29 <b>(100.82%)</b>	100.82%

### Remarks/Recommendations:

- <sup>a</sup>Started expansion of New Commmunal Dam with the construction of the two (2) additional compartments (**Photo 8**) during the 2<sup>nd</sup> Quarter.

	Specification	Capacity	Area
<b>PLAN</b>	Additional 3 compartments	7,581 m <sup>3</sup>	
<b>ACTUAL</b>	Additional 2 compartments	12,785 m <sup>3</sup>	

- <sup>b</sup>Bulk of the expenses incurred was reported during the 2<sup>nd</sup> quarter.
- **Recommendation:** For provision of signage providing the SP's capacity, and water flow.



**Photo 8.** Additional compartments constructed at New Communal Dam SP.



**Photo 9.** Aerial shot of Old and New Communal Dam Siltation Ponds (additional compartments marked in yellow).



## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
<b>2.2 Monitoring/Maintenance of Silt Control Structures</b>						
<b>no. of silt structure</b>	<b>23</b>	<b>5</b>	<b>18</b>	<b>6<sup>a</sup> (120.00%)</b>	<b>19 (105.56%)</b>	<b>82.61%</b>
	2,100,000.00	400,000.00	1,700,000.00	637,535.33 (159.38%)	1,931,779.54 (113.63%)	91.99%
<b>volume of desilted materials*</b>				<b>4,383</b>	<b>11,034</b>	

\*Additional unit of work measure

### Remarks/Recommendations:

- <sup>a</sup>Desilting were conducted at, Km. 2.5 SP (**Photo 10**), Old Communal Dam SP (**Photos 11 – 12**), Balitien SP (**Photo 18**), Admin SP (**Photos 19 – 20**), Waste Dump Area, OSY SP (**Photos 21 – 22**) .
- **Recommendation:**
- Provision of flow diagram at Km. 2.5 SP.
- Removal of silt accumulation at Old Communal Dam SP's first compartment

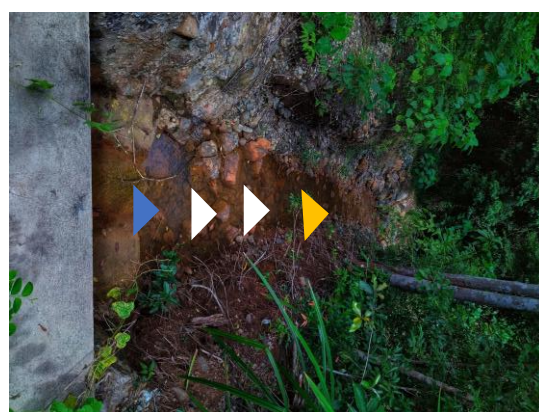
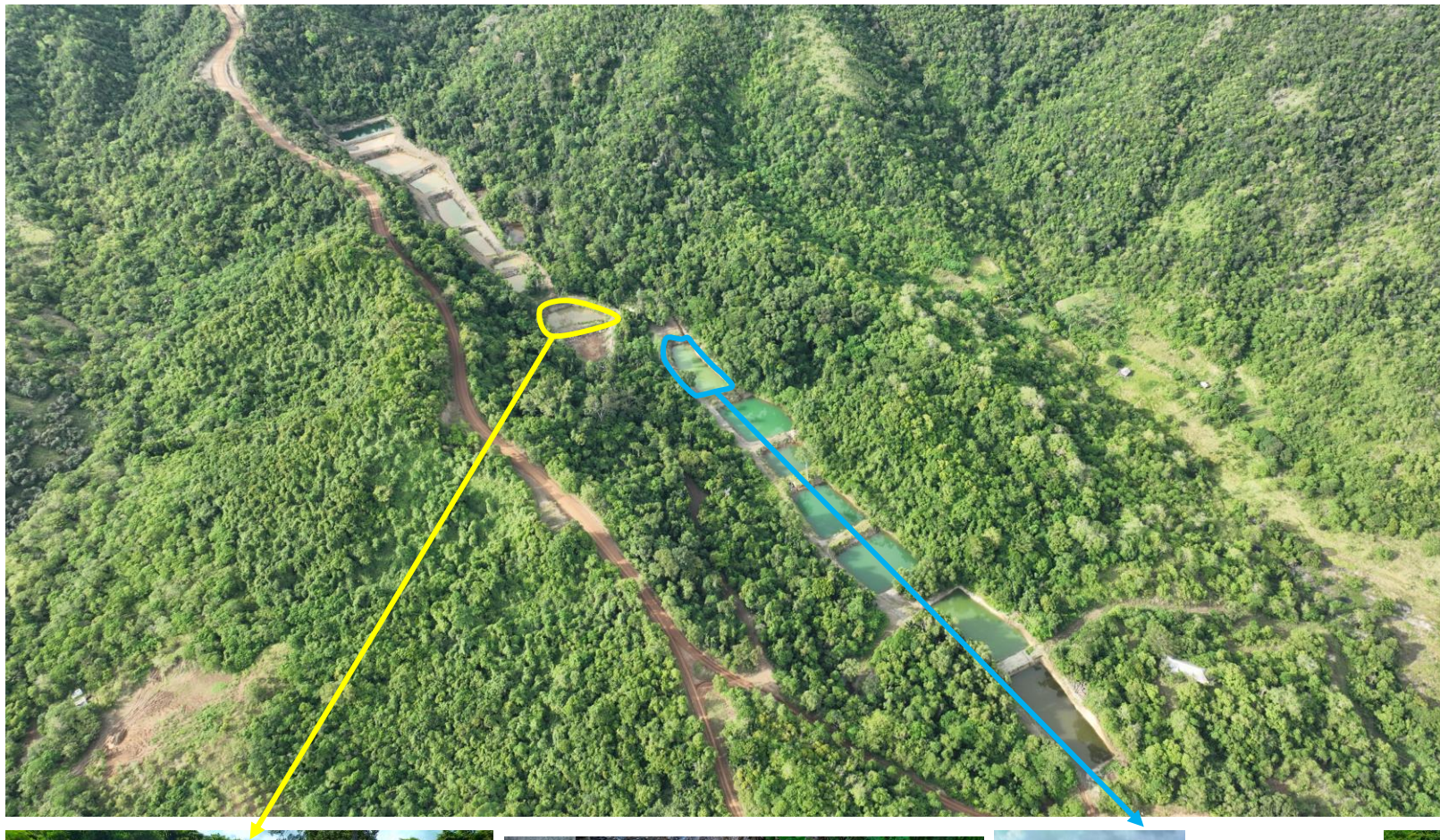


**Photo 10.** Km. 2.5 SP; No discharge going to Old Communal Dam SP as of the time of monitoring.



**Photos 11 – 12.** Desilted compartments - second compartment (left) and first compartment (right) – of Old Communal Dam SP during the 3<sup>rd</sup> Quarter.





**Photo 16 – 17.** Ongoing desilting activity at Block B SP No. 1 (top) and SP No. 2 (bottom) during the time of monitoring.

**Photos 13 – 15.** Clear water flow from Old Communal Dam SP (yellow mark) to New Communal Dam SP (blue mark).





**Photo 18.** No discharge at Balitien SP  
(Permit No. DP – R4B – 22 – 04999 (Expiration Date: 15 July 2023))



**Photos 19 – 20.** Drone shot of Admin SP during the time of monitoring. Clear water discharge observed  
(Permit No. DP – R4B – 22 – 04743 (Expiration Date: 10 July 2023))



**Photos 21 – 22.** Drone shot of Pieryard SP; Minimal discharge noted during the time of monitoring  
(Permit No. DP – R4B – 22 – 06862 (Expiration Date: 07 September 2023))



## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>2.3 Mine Drainage System Maintenance</b>						
<i>kilometer</i>	8.0317	8.0317	8.0317	8.0317 (100.00%)	8.0317	
	650,000.00	150,000.00	500,000.00	170,177.71 (113.45%)	597,036.53 (119.41%)	91.85%



Photo 23. Drainage canal at pier site

### Remarks/Recommendations:

- Manual desilting at the pier site canal and dredging of mine haul road drainage canal were conducted for the quarter.
- Includes drainage embankment stabilization



Photos 24 – 25. Drone (left) and on-the-ground (right) shots of the drainage canal at OSY

## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>2.4 Surface/Groundwater Sampling and Third – Party Laboratory Analysis</b>						
<i>no. of in – house sampling</i>	8	2	6	2 (100.00%)	6 (100.00%)	75.00%
	520,000.00	130,000.00	380,000.00	125,065.30 (96.20%)	376,086.91 (98.97%)	72.32%
<i>no. of sampling station</i>	12	12	12	12 <sup>a</sup> (100.00%)	12	
<i>no. of parameters analyzed</i>	8	8	8	8 (100.00%)	8	

### Remarks/Recommendations:

- <sup>a</sup>No discharge at Piersite SP during the in-house sampling for August and September.
- Heavy metals, oil & grease (effluent), and TSS of collected samples during the in-house monitoring are within the standards per review of submitted SMR.



## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>2.5 Hazardous Waste Management</b>						
volume of waste generated in MT	42.07	10.52	31.56	6.87 (68.70%)	20.91 (69.70%)	52.28%
	40,000.00	10,000.00	30,000.00	14,911.92 (149.12%)	40,014.41 (133.38%)	100.04%
no. hazardous waste management activity	48	12	36	12 (100.00%)	36 (100.00%)	75.00%

### Remarks/Recommendations:

- Drums of hazardous wastes with faded labels.
- Recommendation:** Replace the dulled labels.
- Hazardous waste facility may be accessed by unauthorized persons.
- Recommendation:** As minimum requirement for the hazardous waste storage facilities under Section 6 of DAO No. 2013 – 22, hazardous facility should be enclosed but adequately ventilated.



**Photo 26 – 28** . Drums of hazardous waste replacement of labels; Updated hazardous waste inventory board



**Photo 29.** Hazardous waste facility for enclosure.



## 2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
<b>2.6 Solid Waste Management</b>						
<b>volume of waste generated in kilogram</b>	<b>6,976.42</b>	<b>1,480.87</b>	<b>5,533.02</b>	<b>1,615.65<sup>a</sup> (109.10%)</b>	<b>5,215.78 (94.27%)</b>	<b>74.76%</b>
	400,000.00	100,000.00	300,000.00	114,214.43 (114.21%)	292,843.71 (97.61%)	73.21%
<b>no. solid waste management activity</b>	<b>12</b>	<b>3</b>	<b>9</b>	<b>3 (100.00%)</b>	<b>9 (100.00%)</b>	<b>75.00%</b>
<b>unit (Repair of MRF)</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0<sup>b</sup> (0.00%)</b>	<b>0 (0.00%)</b>	<b>0.00%</b>
	50,000.00	50,000.00	50,000.00	0.00 (0.00%)	0.00 (0.00%)	0.00%

### Remarks/Recommendations:

- <sup>a</sup>Only 28.62% or 463.08 kilograms of the reported solid waste generated for the quarter is residual waste being accommodated by the Residual Containment Area (RCA).
- <sup>b</sup>Initial plan is to repair the MRF. The company decided to renovate the facility.
- Per company's assessment, renovation of the MRF will entail additional expenses thus, the allocation for the year will be insufficient for the completion of the activity.
- **Recommendation:** Implement the revised plan.



Photo 30. Current status of CMDC – TNMP's MRF.



Photo 31. CMDC – TNMP's RCA.

# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

## 2.0 WATER RESOURCES AND QUALITY

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>2.1 Construction of Additional Silt Control Structures</b>	no. of SP	1	—	1	1	1 (100.00%)	100.00%
	1,076,000.00	1,076,000.00	0	1,076,000.00	196,815.00	1,084,822.29 (100.82%)	100.82%
<b>2.2 Monitoring/ Maintenance of Silt Control Structures</b>	no. of silt structure	23	5	18	6 (120.00%)	19 (105.56%)	82.61%
	91,304.35	2,100,000.00	400,000.00	1,700,000.00	637,535.33 (159.38%)	1,931,779.54 (113.63%)	91.99%
	volume of desilted material (m <sup>3</sup> )	—	—	—	4,383	11,034	
<b>2.3 Maintenance of Mine Drainage System</b>	kilometer	8.0317	8.0317	8.0317	8.0317 (100.00%)	8.0317	
	80,929.32	650,000.00	150,000.00	500,000.00	170,177.71 (113.45%)	597,036.53 (119.41%)	91.85%

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>2.4 Surface/ Groundwater Sampling and Third – Party DENR- accredited Laboratory Analysis</b>	no. of in – house sampling	8	2	6	2 (100.00%)	6 (100.00%)	75.00%
	65,000.00	520,000.00	130,000.00	380,000.00	125,065.30 (96.20%)	376,086.91 (98.97%)	72.32%
	no. of monitoring station	48	12	35	12 (100.00%)	36 (102.86%)	75.00%
	no. of parameter analyzed	8	8	8	8 (100.00%)	8	
<b>2.5 Calibration and Maintenance of Water Quality Monitoring Equipment</b>	no. of equipment	2	2	2	2 (100.00%)	2	
	14,000.00	28,000.00	4,000.00	18,000.00	4,239.61 (105.995)	21,778.05 (120.99%)	77.78%
<b>2.6 Hazardous Waste Management</b>	volume (MT)	42.07	10.52	31.56	6.87 (68.70%)	20.91 (69.70%)	52.28%
	1,000.00	40,000.00	10,000.00	30,000.00	14,911.92 (149.12%)	40,014.41 (133.38%)	100.04%
	no. of hazardous waste mngt. activity	48	12	36	12 (100.00%)	36 (100.00%)	75.00%
	no. of hauling	1	-	1	-	1 (100.00%)	100.00%
	280,000.00	280,000.00	-	280,000.00	-	140,234.60 (50.08%)	50.08%



ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
2.7 Solid Waste Management	volume (kilogram)	6,976.42	1,480.87	5,533.02	1,615.65 (109.10%)	5,215.78 (94.27%)	74.76%
	57.34	400,000.00	100,000.00	300,000.00	114,214.43 (114.21%)	292,843.71 (97.61%)	73.21%
	No. of solid waste mngt. activity	12	3	9	3 (100.00%)	9 (100.00%)	75.00%
	Unit (MRF repaired)	1	1	1	0 (0.00%)	0 (0.00%)	0.00%
	50,000.00	50,000.00	50,000.00	50,000.00	0.00 (0.00%)	0.00 (0.00%)	0.00%
TOTAL (PHP)		5,144,000.00	844,000.00	4,334,000.00	1,262,959.30 (149.64%)	4,489,989.66 (103.60%)	87.29%

### 3.0 AIR QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	Quarter	As of 3 <sup>rd</sup> Quarter	Quarter	As of 3 <sup>rd</sup> Quarter	%Annual
<b>3.1 Monthly In – House Air Monitoring</b>						
<i>no. of in – house sampling</i>	8	2	6	2 (100.00%)	6 (100.00%)	75.00%
	100,000.00	25,000.00	75,000.00	22,534.19 (90.14%)	66,176.51 (88.24%)	66.18%
<i>no. of sampling station</i>	8	8	8	8 (100.00%)	8	
<i>no. of parameter analyzed</i>	1	1	1	1 (100.00%)	1	
<b>3.2 Road Sprinkling</b>						
<i>distance in kilometer</i>	17.39	17.39	17.39	17.39 (100.00%)	17.39	
	4,100,000.00	800,000.00	8,450,000.00	1,388,825.80 <sup>a</sup> (173.60%)	4,163,455.15 (120.68%)	101.55%
<i>no. of trip of water lorries</i>	5,492	1,072	4,621	1,839 <sup>b</sup> (169.83%)	5,542 (119.93%)	100.91%

#### Remarks/Recommendations:

- Collected samples for the in-house air sampling as reported in the submitted SMR are within the air quality standards.
- <sup>a</sup>High expenses incurred due to increase in the contractors' equipment rental.
- On average, road sprinkling's frequency is 5 trips/day/equipment.
- A total of four (4) contractors employed for road sprinkling utilizing six (6) functional water lorries while the company have four (4) operational water lorries.
- <sup>b</sup>Greater number of trips due to little to no rainfall experienced from September 1 – 15, 2022.

# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

## 3.0 AIR QUALITY

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
3.1 Monthly In – house Air Quality Monitoring	no. of in-house sampling	8	2	6	2 (100.00%)	6 (100.00%)	75.00%
	12,500.00	100,000.00	25,000.00	75,000.00	22,534.19 (90.14%)	68,868.82 (91.83%)	68.87%
	no. of sampling station	8	8	8	8 (100.00%)	8	
	no. of parameter analyzed	1	1	1	1 (100.00%)	1	
3.2 Maintenance of Air Quality Monitoring Equipment	unit	2	2	2	2 (100.00%)	2	75.00%
	9,500.00	19,000.00	7,500.00	11,500.00	8,191.86 (109.22%)	12,573.00 (109.33%)	
3.3 Maintenance of Haul Road (Road Sprinkling)	kilometer	17.39	17.39	17.39	17.39 (100.00%)	17.39	
	235,767.68	4,100,000.00	800,000.00	10,650,000.00	1,388,825.80 (173.60%)	4,163,455.15 (120.68%)	101.55%
	no. of trip of water lorries	5,492	1,072	4,621	1,839 (169.83%)	5,542 (119.93%)	100.91%
TOTAL (PHP)		4,219,000.00	832,500.00	3,536,500.00	1,419,551.85 (170.52%)	4,244,896.97 (120.03%)	100.61%



# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

## 4.0 NOISE AND VIBRATION

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
4.1 Monthly In – house Noise Monitoring	no. of in-house sampling	8	2	6	2 (100.00%)	6 (100.00%)	75.00%
	1,500.00	12,000.00	3,000.00	9,000.00	5,459.76 (181.99%)	12,601.57 (140.02%)	105.01%
	no. of sampling station	8	8	8	8 (100.00%)	8	

# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

5.0 CONSERVATION VALUES							
ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
5.1 Maintenance of Wildlife (Biodiversity) and Watershed Areas	no. of MPSA monitored	1	1	1	1 (100.00%)	1	
	97,800.00	97,800.00	10,000.00	87,800.00	13,928.86 (139.29%)	112,965.06 (128.66%)	115.51%
5.2 Assistance to Patrolling Works in the Adjacent Forest Areas with Regulatory Bodies	no. of assisted patrolling work conducted	4	1	3	0 (0.00%)	0 (0.00%)	0.00%
	15,000.00	60,000.00	15,000.00	45,000.00	0 (0.00%)	0 (0.00%)	0.00%
TOTAL (PHP)		157,800.00	25,000.00	132,800.00	13,928.86 (55.72%)	112,965.06 (85.06%)	71.59%

# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

6.0 ENVIRONMENTAL RESEARCH							
ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
6.1 Geotagging of Indigenous Mother Trees in Brgy. Bato-Bato, Narra, Palawan	no. of progress report	4	1	3	1 (100.00%)	2 (66.67%)	50.00%
	20,000.00	80,000.00	20,000.00	60,000.00	22,890.78 (114.45%)	24,736.93 (41.23%)	30.92%
6.2 In – house Flora and Fauna Assessment	no. of mine rehabilitated areas studied	2	2	2	0 (0.00%)	2	
	15,000.00	60,000.00	15,000.00	45,000.00	0 (0.00%)	15,291.68 (33.98%)	25.49%
TOTAL (PHP)		140,000.00	35,000.00	105,000.00	22,890.78 (65.40%)	40,028.61 (38.12%)	28.59%




# OVERALL PHYSICAL AND FINANCIAL ACCOMPLISHMENT

## 7.0 OTHERS

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>7.1 Multipartite Monitoring Team Validation and Air &amp; Water Sampling Activities</b>	no. of MMT validation and sampling activity	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	450,000.00	1,800,000.00	450,000.00	1,350,000.00	532,048.60 (118.23%)	1,559,042.00 (115.48%)	86.61%
<b>7.2 Mine Rehabilitation Fund Committee Meeting</b>	no. of meeting	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	120,000.00	480,000.00	120,000.00	360,000.00	158,146.17 (131.79%)	370,216.33 (102.84%)	77.13%
<b>7.3 Information, Education, and Communication Campaign</b>	no. of IEC conducted	8	2	6	1 (50.00%)	4 (66.67%)	50.00%
	10,000.00	80,000.00	20,000.00	60,000.00	9,961.59 (49.81%)	38,077.67 (63.46%)	47.60%
<b>7.4 Training and Seminars</b>	no. of training and /or seminar	8	2	6	2 (100.00%)	8 (133.33%)	100.00%
	16,250.00	130,000.00	40,000.00	80,000.00	8,853.86 (22.13%)	32,276.53 (40.35%)	24.83%

ACTIVITIES	Unit of Measure	TARGET			ACCOMPLISHMENT		
		Annual	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	3 <sup>rd</sup> Quarter	As of 3 <sup>rd</sup> Quarter	% Annual
<b>7.5 Annual Environmental Management Bureau Validation</b>	<i>no. of validation</i>	1	–	–	1	1	100.00%
	20,000.00	20,000.00	0.00	0.00	95,106.55	95,106.55	475.53%
<b>7.6 ISO 14001: 2015 (Environmental Management System)</b>	<i>no. of ISO certification maintained</i>	1	1	1	1 (100.00%)	1	
	73,000.00	73,000.00	15,000.00	58,000.00	16,601.52 (110.68%)	53,151.69 (91.64%)	72.81%
<b>7.7 Adopt – A – River Program (Coastal and River Clean up)</b>	<i>no. of clean –up drives initiated and/or participated</i>	4	1	3	2 (200.00%)	4 (133.33%)	100.00%
	20,000.00	80,000.00	20,000.00	60,000.00	39,433.96 (197.17%)	76,601.80 (127.67%)	95.75%
<b>7.8 Farmland Monitoring</b>	<i>no. of monitoring</i>	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	15,000.00	60,000.00	15,000.00	45,000.00	25,806.93 (172.05%)	69,909.76 (155.36%)	116.52%
<b>TOTAL (PHP)</b>		<b>2,723,000.00</b>	<b>680,000.00</b>	<b>2,013,000.00</b>	<b>885,959.18 (130.29%)</b>	<b>1,559,042.00 (115.48%)</b>	<b>84.26%</b>

FIELD FINDINGS/ OBSERVATIONS/COMMENTS	RECOMMENDATIONS	PHOTODOCUMENTATION
<p>1. Unaccomplished activities are as follows:</p> <ul style="list-style-type: none"> <li>• Bamboo Plantation;</li> <li>• MRF repair; and</li> <li>• Assistance to patrolling works in the adjacent forested areas with regulatory bodies</li> </ul> <p>Utilized <b>196.91%</b> of the budget allocated for the quarter (<b>PHP 9,374,031.09</b> out of <b>PHP 4,760,600.00</b>). As of 3<sup>rd</sup> quarter, the company spent a total of <b>82.91%</b> of its annual budget (<b>PHP 24,701,750.51</b> out of <b>PHP 29,793,800.00</b>).</p>	<p>Ensure completion of the remaining activities.</p>	
<p>2. Ongoing preloading at the pier site. Materials may drop at the gaps along the ramp and at the barge's edges during actual dumping.</p>	<p>Provide fill along the observed gaps and floating rafts at the sides of the barge during loading activity.</p>	 <p>The left photograph is a close-up view of reddish-brown soil or mud. A person's foot, wearing a blue shoe, is visible at the bottom center, standing on a narrow path. There are two rectangular areas of the image that have been redacted with green boxes. The right photograph shows a barge at a pier. The barge is white with a dark roof and is positioned next to a concrete pier. The water is dark, and the sky is blue with some clouds. A timestamp in the bottom right corner reads '23/11/2022, 3:57 pm'.</p>



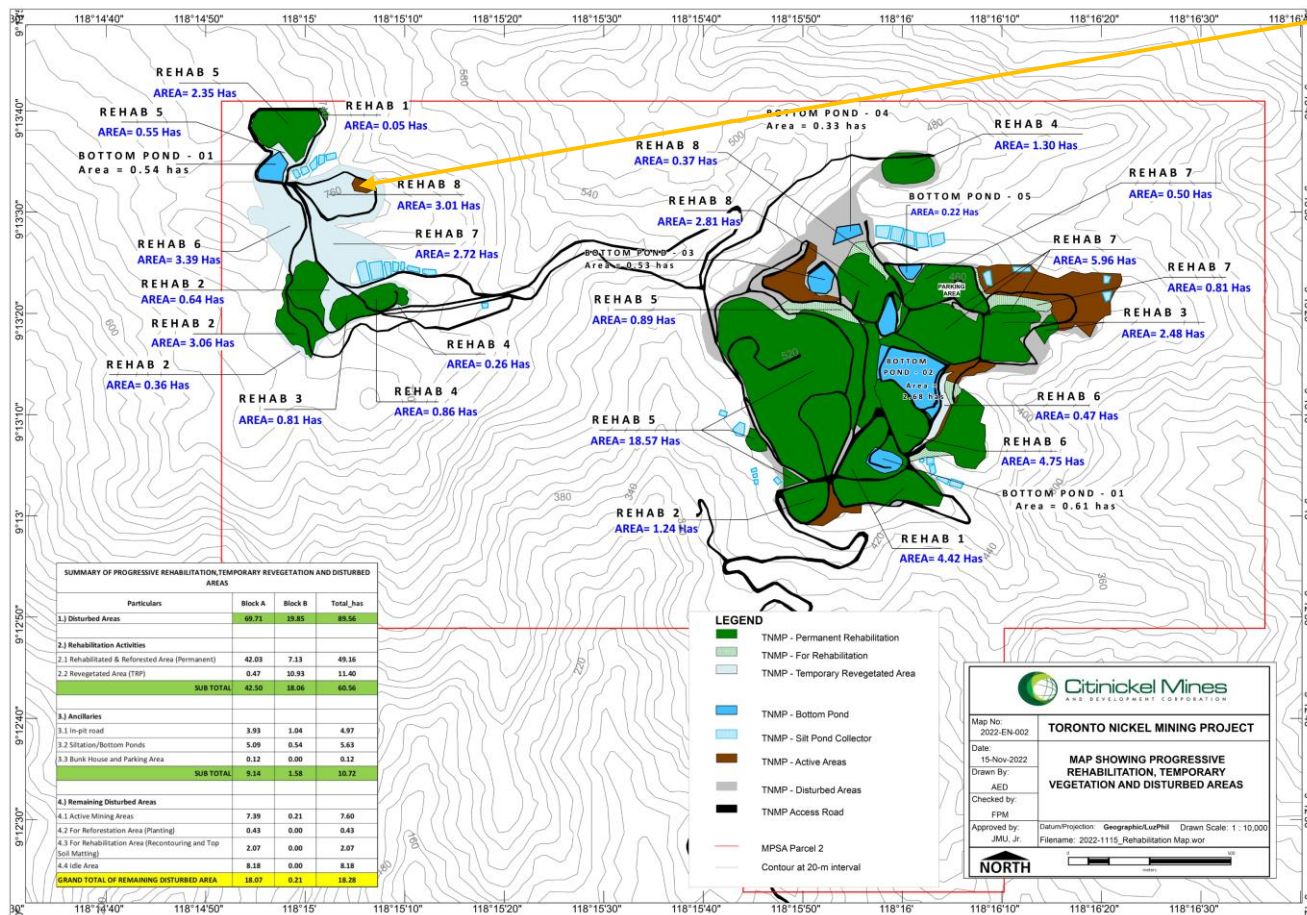
## FIELD FINDINGS/ OBSERVATIONS/COMMENTS


3. Current extraction area at Block B Rehab Area 8 (previously under TRP) during the time of monitoring.

## RECOMMENDATIONS

Ensure environmental measures are implemented in all active areas (e.g., bund walls, SCS).

## PHOTODOCUMENTATION



FIELD FINDINGS/ OBSERVATIONS/COMMENTS	RECOMMENDATIONS	PHOTODOCUMENTATION
4. Eroded slope at Block B Rehabilitated Area 5.	<p>Seek the best method (e.g., provision of coconet, grass planting by block) to stabilize the subject face wall.</p> <p>Provide bundwall upon stabilization.</p>	
5. IECs conducted only catered the company employees and contractors.	Conduct IECS for the community.	

**END.**