Environmental Monitoring Forms for EMoP
(April – June 2024)

1. Responses/Actions to Comments and Guidance from Government Authorities and the Public

Monitoring Item	Monitoring Results during Report Period
None during this monitoring period	None during this monitoring period

2. Monitoring in Pre-Construction Stage & Construction Stage

The Monitoring plans in pre-construction and construction stages are shown below.

2.1 Monitoring Program

For Contract Packages 1 to 4 (CP1 to 4)

Components	Parameters to be Monitored	Frequency/ Duration	Locations / Quantity**
(1) Water Quality (Surface water)	BOD, color, DO, TSS, fecal coliform, pH, oil and grease	Quarterly	• 1 point San Juan River (Downstream reach of Ylang-Ylang River) • 1 point Pond in Ligtong II, Rosario • 2 points Rio Grande River • 1 point Ylang-Ylang River • 1 point Maalimango Creek
(2) Water Quality (Marine Water)	Color, DO, fecal coliform, pH, TSS, oil and grease, COD	Quarterly	• 1 point Manila Bay
(3) Riverbed Sediment	Cd, T-Cr, T-Hg, Se, Ba, and As and Pb	One time immediately before dredging/ excavation	• 6 points San Juan Diversion Channel • 9 points Rio Grande River • 5 points Ylang-ylang River • 2 points Maalimango Creek
(4) Ambient Air Quality	Total Suspended Particulates (TSP), PM10, CO, NO^2 and SO^2	Quarterly (24-hrs)	• 2 points San Juan Diversion Channel • 2 points Rio Grande River • 2 points Ylang-ylang River • 1 point Maalimango Creek • 1 point Maalimango Diversion II
(5) Ambient Noise	Noise level	Quarterly (24-hrs)	• 2 points San Juan Diversion Channel • 2 points Rio Grande River • 2 points Ylang-ylang River • 1 point Maalimango Creek • 1 point Maalimango Diversion II
(6) Vibration	Displacement velocity	Quarterly	• 2 points San Juan Diversion Channel • 2 points Rio Grande River • 2 points Ylang-ylang River • 1 point Maalimango Creek • 1 point Maalimango Diversion II
(7) Solid wastes*	Construction debris, papers, plastics, biodegradable waste	Daily (to be reported monthly by the Contractor)	• Construction site/ SW storage area
(8) Wastewater* (domestic)	TSS, BOD, pH, oil and grease	As necessary (to be monitored by the Contractor in relation to discharge permit pursuant to RA 9275, DAO2016-08)	• Construction areas in General Trias, Noveleta, Rosario, Kawit, and Imus

Components	Parameters to be Monitored	Frequency/ Duration	Locations / Quantity**
(9) Chemicals and Hazardous Substances*	Used oil, busted lamps, used paints, spent solvents	As necessary (to be monitored by the Contractor in relation to discharge permit pursuant to RA 6969, DAO 2013-22 and DAO 1992-29)	• Storage area/motor pool
(10) Terrestrial Flora*	Trees and mangroves to be affected (cut or earthball)	Anytime (tree cutting/ relocation is done)	• Along and within the project alignment and area.
(11) Terrestrial Fauna*	Inhabiting species	Anytime (unusual death is observed)	• Direct impact area and its marginal (or surrounding) area
(12) Traffic volume count*	Number of vehicles	Semi-annual	• 2 points residential areas along key delivery routes

Note) * Monitoring is to be done by consolidation of monitoring data to be gathered by the Construction Contractors. The Sub-Consultant shall conduct monthly data collection from the Contractors of each contract package.
** Monitoring locations are shown in the map attached hereinafter.

For Contract Package 5 (CP5):

Environmental Aspect	Parameter to be Monitored	Frequency	Locations / Quantity**
(1) Water Quality (Surface water)	BOD, chloride, color, DO, fecal coliform, nitrate, pH, phosphate, temperature, TSS, ammonia, oil & grease, surfactants	Quarterly	• 2 points San Rafael II and San Rafael III
(2) Ambient Air Quality	Total Suspended Particulates (TSP), PM10, CO, NO^2 and SO^2	Quarterly (24-hrs)	• 2 points residential area near the resettlement site
(3) Ambient Noise	Noise level	Quarterly (24-hrs)	• 2 points residential area near the resettlement site
(4) Solid wastes*	Construction debris, papers, plastics, biodegradable waste	Daily (to be reported monthly by the Contractor)	• Construction site/SW storage area
(5) Terrestrial Flora*	Trees and mangroves to be affected (cut or relocated)	Anytime (tree cutting/ relocation is done)	• Along and within the project alignment and area.
(6) Terrestrial Fauna*	Inhabiting species	Anytime (unusual death is observed)	• Direct impact area and its marginal (or surrounding) area

Note) * Monitoring is to be done by consolidation of monitoring data to be gathered by the Construction Contractors. The Sub-Consultant shall conduct monthly data collection from the Contractors of each contract package.
** Monitoring locations are shown in the map attached hereinafter.

2.2 Monitoring Results

2.2.1 Water Quality

(1) Environmental Standards

a. Water Body Classification and its Intended Beneficial Use

Classification	Intended Beneficial Use
Freshwater	
Class AA	Public Water Supply Class I – Intended primarily for waters having watersheds, which are uninhabited and/or otherwise declared as protected areas, and which require only approved disinfection to meet the latest PNSDW.

Classification	Intended Beneficial Use
Freshwater	
Class A	Public Water Supply Class II – Intended as sources of water supply requiring conventional treatment (coagulation, sedimentation, filtration and disinfection) to meet the latest PNSDW
Class B	Recreational Water Class I – Intended for primary contact recreation (bathing, swimming, etc.)
Class C	1. Fishery Water for the propagation and growth of fish and other aquatic resources. 2. Recreational Water Class II – For boating, fishing, or similar activities 3. For agriculture, irrigation, and livestock watering
Class D	Navigable Waters
Marine Water	
Class SA	1. Protected Waters – Waters designated as national or local marine parks, reserves, sanctuaries, and other areas established by law (Presidential Proclamation 1801 and other existing laws), and/or declared as such by appropriate government agency, LGUs, etc. 2. Fishery Water Class I – Suitable for shellfish harvesting for direct human consumption
Class SB	1. Fishery Water Class II – Waters suitable for commercial propagation of shellfish and intended as spawning areas for milkfish (*Chanos chanos*) and similar species 2. Tourist Zones – For ecotourism and recreational activities 3. Recreational Water Class I – Intended for primary contact recreation (bathing, swimming, skin diving, etc.)
Class SC	1. Fishery Water Class III – For the propagation and growth of fish and other aquatic resources and intended for commercial and sustenance fishing 2. Recreational Water Class II – For boating, fishing, or similar activities 3. Marshy and/or mangrove areas declared as fish and wildlife sanctuaries
Class SD	Navigable waters

Source: DAO No. 2016-08.

b. Water Body Classification of the Rivers/Creek within the Project Area

Name of Water Body	Classification based on DENR	Classification for Evaluation of this Project
San Juan River	C	C
Rio Grande River	C	C
Ylang-Ylang River	C	C
Maalimango Creek	unclassified	C
Manila Bay	SB	SB

c. Water Quality Guidelines for Primary and Secondary Parameters

Parameter	Unit	DAO 2016-08		DAO 2021-19*	
		Class C	Class SB	Class C	Class SB
1. BOD	mg/L	7	n/a	-	-
2. Chloride	mg/L	7	n/a	-	-
3. Color	TCU	75	50	-	-
4. Dissolved Oxygen **	mg/L	5	6	-	-
5. Fecal coliform	MPN/100mL	200	100	200	100
6. pH (Range)	-	6.5-9.0	7.0-8.5	-	-
7. Nitrate	mg/L	7	100	-	-
8. Temperature	°C	25-31	26-30		
9. Phosphate	mg/L	0.5	0.5	0.025	0.2
10. Total Suspended Solids	mg/L	80	50	-	-
11. Ammonia	mg/L	0.05	0.05	0.06	0.06
12. Oil and grease	mg/L	2	2	-	-
13. Surfactants (MBAS)	mg/L	1.5	0.3	-	-

Notes) -: No recommended values, MPN/100mL: Most Probable Number per 100 milliliter, TCU: True Color Unit

*: The updated guidelines values for fecal coliform, phosphate and ammonia as stated in DAO 2021-19 shall be used for comparison with the water quality results.

** Samples shall be taken from 9:00 AM to 4:00 PM.

(2) Monitoring Results

a. Surface Water Quality

For CP1-CP4 – May 6, 2024

No.	Parameters	Unit	Water Quality Guidelines (Class C)	Stations				
				SW-1	SW-2	SW-4	SW-5	SW-6
PRIMARY								
1	Biochemical Oxygen Demand (BOD)	mg/L	7	56	48	26	27	44
2	Color (True)	CU	75	20	75	40	75	40
3	Dissolved Oxygen (DO)	mg/L	5(min)	7.08	7.01	6.91	6.60	6.67
4	Fecal Coliform*	MPN/ 100mL	200	2,400	350	240	3,500	240
5	pH	-	6.5-9.0	7.12	7.00	6.90	6.79	6.70
6	Total Suspended Solids (TSS)	mg/L	80	6	5	11	5	7
SECONDARY								
1	Oil and Grease	mg/L	2	<1.0	<1.0	<1.0	3.0	<1.0

Notes: Red Mark means exceedance with Water Quality Guideline as per DAO 2016-08/ DAO 2021-19.
* Parameters that have updated Water Quality Guidelines and General Effluent Standards as stipulated in DAO 2021-19.
Parameters without * are stipulated in DAO 2016-08.

For CP5 – May 6, 2024

No.	Parameters	Unit	Water Quality Guidelines (Class C)	Stations	
				SW-1	SW-2
PRIMARY					
1	Biochemical Oxygen Demand (BOD)	mg/L	7	28	30
2	Color (True)	CU	75	20	40
3	Dissolved Oxygen (DO)	mg/L	5(min)	7.00	6.90
4	Fecal Coliform*	MPN/ 100mL	200	23	49
5	pH	-	6.5-9.0	7.15	6.98
6	Total Suspended Solids (TSS)	mg/L	80	12	9
7	Chloride	mg/L	350	10.84	7.07
8	Nitrate	mg/L	7	0.50	0.78
9	Ammonia*	mg/L	0.06	<0.20	<0.20
10	Phosphate*	mg/L	0.025	<0.20	<0.20
SECONDARY					
1	Surfactant	mg/L	1.5	0.20	0.29
2	Oil and Grease	mg/L	2	<1.0	<1.0

Notes: Red Mark means exceedance with Water Quality Guideline as per DAO 2016-08/DAO 2021-19.
* Parameters that have updated Water Quality Guidelines and General Effluent Standards as stipulated in DAO 2021-19.
Parameters without * are stipulated in DAO 2016-08.

b. Marine Water (Manila Bay) – May 6, 2024

No.	Parameters	Unit	Water Quality Guidelines (Class SB)	Stations
				MW-1
PRIMARY				
1	Chemical Oxygen Demand (COD)	mg/L	-	2,513**
2	Color (True)	CU	50	5
3	Dissolved Oxygen (DO)	mg/L	-	7.09
4	Fecal Coliform*	MPN/ 100mL	100	<1.8
5	pH	-	7.8-8.5	7.14

No.	Parameters	Unit	Water Quality Guidelines (Class SB)	Stations
				MW-1
6	Total Suspended Solids (TSS)	mg/L	50	6
SECONDARY				
1	Oil and Grease	mg/L	2	<1.0

Notes: Red Mark means exceedance with Water Quality Guideline as per DAO 2016-08/DAO 2021-19.
* Parameters that have updated Water Quality Guidelines and General Effluent Standards as stipulated in DAO 2021-19.
Parameters without * are stipulated in DAO 2016-08.
** COD value is extremely high, the reason of which is not clear at the moment. It is shown as a reference here.

2.2.2 Air Quality

(1) Environmental Standards

Pollutant	Short Term [a]			Long Term [b]		
	µg/NCM	ppm	Averaging Time	µg/NCM	ppm	Averaging Time
Suspended Particulate Matter [c]- TSP Particulate Matter (PM)10	 230 [d] 150 [f]		 24 hours 24 hours	 90 60		 1 year [e] 1 year [e]
Sulfur Dioxide [c]	180	0.07	24 hours	80	0.03	1 year
Nitrogen Dioxide	150	0.08	24 hours	--	--	--
Carbon Monoxide	35 10	30 9	1 hour 8 hours			

Notes)
1. Pursuant to Section 12 of Republic Act 8749, the initial set of National Ambient Air Quality Guideline Values (NAAQGV) necessary to protect public health and safety and general welfare shall be as follows:
   [a] Maximum limits represented by ninety-eight percentile (98%) values not to exceed more than once a year.
   [b] Arithmetic mean
   [c] SO_2 and Suspended Particulate are sampled once every six days when using the manual methods. A minimum number of twelve sampling days per quarter or forty-eight sampling days each year is required for these methods. Daily sampling may be done in the future once continuous analyzers are procured and become available.
   [d] Limits for Total Suspended Particulate Matter with mass median diameter less than 25-50 µm.
   [e] Annual Geometric Mean.
   [f] Provisional limits for Suspended Particulate Matter with mass median diameter less than 10 µm and below until sufficient monitoring data are gathered to base a proper guideline.
2. The applicable methods for sampling and measurement of the above pollutants are as follows:
   TSP - High Volume – Gravimetric, USEPA 40 CFR, Part 50, Appendix B
   PM10 - High Volume with 10-micron particle-size inlet; Gravimetric, USEPA 40 CFR, Part 50, Appendix J
   Sulfur Dioxide – Gas Bubbler and Pararosaniline Method (West and Gaeke Method), or Flame Photometric Detector, USEPA 40 CFR, Part 50, Appendix A
   Nitrogen Dioxide – Gas Bubbler Griess-Saltzman, or Chemiluminescence Method, USEPA 40 CFR, Part 50, Appendix F
   Carbon Monoxide – Non- dispersive Infra-red Spectrophotometry (NDIR), USEPA 40 CFR, Part 50, Appendix C
3. An analyzer based on the principles and methods cited above will be considered a reference method only if it has been designated as a reference method in accordance with 40 CFR, Part 53.
4. Other equivalent methods approved by the Department may be adopted.

(2) Monitoring Results

For CP1 to CP4 – April - June, 2024

Parameter	Unit	NAAQGV*	Monitoring Results						
			AQ1	AQ2	AQ3	AQ5	AQ6	AQ7	AQ8
TSP	µg/NCM	**230**	69.50	93.10	53.61	116.06	152.11	98.00	50.93
PM_{10}	µg/NCM	**150**	23.67	51.59	42.89	56.93	68.21	53.90	28.03
SO_2	µg/NCM	**180**	0.62	2.73	0.58	1.08	5.42	1.51	1.58
NO_2	µg/NCM	**150**	0.37	0.93	0.18	0.60	1.15	0.61	1.42
CO	ppm	**9**	<0.5	1	1	1	1	1	<0.5

Note) Red Mark means exceedance with National Ambient Air Quality Guideline Values (NAAQGV).
The monitoring location and date of monitoring for ambient air quality and ambient noise level is as follows:
AQ1 was conducted on May 5 – 6, 2024,
AQ2 was conducted on May 4 – 5, 2024,
AQ3 was conducted on May 10 – 11, 2024,

AQ5 was conducted on April 29 – 30, 2024,
AQ6 was conducted on May 9 – 10, 2024,
AQ7 was conducted on May 2 – 3, 2024,
AQ8 was conducted on May 6 – 7, 2024.

For CP5 – April - June, 2024

Parameter	Unit	NAAQGV*	Monitoring Results	
			AQ1	AQ2
TSP	µg/NCM	**230**	161.64	54.24
PM_{10}	µg/NCM	**150**	78.71	37.51
SO_2	µg/NCM	**180**	1.26	1.72
NO_2	µg/NCM	**150**	0.59	1.17
CO	ppm	**9**	2	1

Note) Red Mark means exceedance with National Ambient Air Quality Guideline Values (NAAQGV).
The monitoring location and date of monitoring for ambient air quality and ambient noise level is as follows:
AQ1 was conducted on May 7 – 8, 2024,
AQ2 was conducted on May 8 – 9, 2024.

2.2.3 Noise and Vibration

(1) Environmental Standards

a. Noise Standards for General Areas

Time	Class				
	AA	A	B	C	D
Daytime (0900-1800Hr)	50	55	65	70	75
Evening (1800-2200Hr)	45	50	60	65	70
Nighttime (2200-0500Hr)	40	45	55	60	65
Morning (0500-0900Hr)	45	50	60	65	70

Class AA – a section of contiguous area which requires quietness, such as areas within 100 meters from school sites, nursery schools, hospitals and special homes for the aged.
Class A – a section or contiguous area which is primarily used for residential purposes.
Class B – a section or contiguous area which is primarily a commercial area.
Class C – a section primarily zoned or used as light industrial area.
Class D – a section which is primarily reserved, zoned or used as a heavy industrial area
Correction factor:
• Areas directly fronting or facing a four-lane road: +5 dBA
• Areas directly fronting or facing a four-lane or wider road : +10 dBA

Source: National Pollution Control Commission (NPCC) - Memorandum Circular (MC) No.002 of 1980.

b. Noise Standards for Construction Activities

Class	Description	Standard (dBA)
1	Work which requires pile drivers (excluding manual type), file extractions, reverting hammers or combination thereof. It does not include pile drivers used in combination with earth augers.	90
2	Work which requires rock drills, or similar equipment like jack hammers or pavement breakers.	85
3	Work which requires air compressor (limited to those compressors which use power other hand electric motors with a rated output of 15 KW or more). Air compressors powering rock drills, jack hammers, pavement breakers are excluded.	75
4	Operation involving batching plant (limited to those with a mixer capacity of 0.5 or more cubic meters) and/or asphalt plants (limited o those with mixer capacity of 200kg or more). Batching plants for the making of mortar are excluded.	75

Source: National Pollution Control Commission (NPCC) - Memorandum Circular (MC) No.002 of 1980.

c. Vibration Standards

Currently, there are no established standards or guidelines in the Philippines for ground vibration displacement velocity. However, under the Project, a maximum allowable peak value of 2.5 mm/s for ground vibration displacement velocity is utilized. This threshold is aimed at preventing adverse effects on residential and sensitive structures such as hospitals and schools in most scenarios.

(2) Monitoring Results

a. Noise

For CP1 to CP4 – April – June, 2024

Station (Class)	Date of Monitoring	Unit	Morning	Daytime	Evening	Nighttime
AQ1 (Class A)	May 5 – 6, 2024	dBA	52.3	54.1	55.1	46.8
AQ2 (Class AA)	May 4 – 5, 2024	dBA	59.7	60.6	59.8	57.7
AQ3 (Class A)	May 10 – 11, 2024	dBA	56.3	57.5	56.8	49.1
AQ5 (Class A)	April 29 – 30, 2024	dBA	54.6	57.2	54.1	47.8
AQ6 (Class A)	May 9 – 10, 2024	dBA	54.1	55.8	49.6	43.9
AQ7 (Class A)	May 2 – 3, 2024	dBA	66.5	67.0	68.4	62.8
AQ8 (Class A)	May 6 – 7, 2024	dBA	55.5	58.4	58.9	53.3
Noise Standards (Class A)		dBA	**50**	**55**	**50**	**45**
Noise Standards (Class AA)		dBA	**45**	**50**	**45**	**40**

Notes) Red mark means exceedance of the standard stipulated in the NPCC MC 1980-002.

For CP5 – April – June, 2024

Station (Class)	Date of Monitoring	Unit	Morning	Daytime	Evening	Nighttime
AQ1 (Class A)	May 7 – 8, 2024	dBA	52.3	54.4	51.4	46.6
AQ2 (Class AA)	May 8 – 9, 2024	dBA	52.8	50.7	57.7	46.2
Noise Standards (Class A)		dBA	**50**	**55**	**50**	**45**
Noise Standards (Class AA)		dBA	**45**	**50**	**45**	**40**

Notes) Red mark means exceedance of the standard stipulated in the NPCC MC 1980-002.

b. Vibration (Monitored only for CP1 to CP4)

For CP1 to CP4 – April – June, 2024

Station	Date of Monitoring	Displacement Velocity (mm/s)			
		Min		Max	
		Baseline (2022)	May 2024	Baseline (2022)	May 2024
AQ1	May 10, 2024 – morning & afternoon	0.4	0.3	0.6	0.6
AQ2	May 9, 2024 – morning & afternoon	0.5	0.8	0.8	1.2
AQ3	May 9, 2024 – morning & afternoon	0.4	0.4	0.6	0.6
AQ5	May 9, 2024 – morning & afternoon	0.8	0.2	1.4	0.4
AQ6	May 9, 2024 – morning & afternoon	0.3	0.1	0.5	0.3
AQ7	May 10, 2024 – morning & afternoon	0.7	0.4	1.2	0.7
AQ8	May 10, 2024 – morning & afternoon	0.6	0.4	0.9	0.6
Maximum Allowable Peak Velocity for Ground Vibration: 2.5 mm/s.					

2.2.4 Riverbed Sediment Quality (Result of TCLP Test)

DAO 2013-22 is applied

Classification of Hazardous Waste (DAO No. 22 series of 2013)

Parameter	Regulatory Limit (mg/L)

1. Selenium	> 1.0
2. Arsenic	> 1.0
3. Barium	> 70
4. Cadmium	> 0.3
5. Lead	> 1.0
6. Chromium	> 5.0
7. Mercury	> 0.1

Results of TCLP Tests for riverbed sediment in Ylang-Ylang River (Sampling date: May 20, 2024)

Unit: (mg/L)

Parameter	Regulatory Limit	Reporting Limit	RS-13	RS-14	RS-15	RS-16
1. Selenium	> 1.0	0.008	ND	0.01	0.02	ND
2. Arsenic	> 1.0	0.005	0.01	0.01	0.01	0.008
3. Barium	> 70	0.005	0.7	0.9	0.7	0.6
4. Cadmium	> 0.3	0.001	ND	ND	ND	ND
5. Lead	> 1.0	0.005	ND	ND	ND	ND
6. Chromium	> 5.0	0.005	ND	ND	ND	ND
7. Mercury	> 0.1	0.0002	ND	ND	ND	ND

Note) Sampling locations are shown in Figure 3. RS-12 was not monitored during this period. It will be monitored immediately before dredging work in the following period.

2.2.5 Terrestrial Flora

- For CP1-CP4:
    - For CP1 – DENR-PENRO Cavite conducted an inspection of the affected trees and mangrove trees in the project site on 21 February 2024.
    - For CP3 – The Project requested for the extension of the tree cutting permit on 24 January 2024. The Contractor already settled seedling replacements to offset those planted and naturally grown trees affected in the project area on 21 March 2024.
- For CP5:
    - The Contractor paid for seedling replacements to offset those mangrove trees affected within the project site last November 2023.

Summary of Monitoring Results for this Monitoring Period, April – June, 2024

Monitoring Item	Monitoring Results during Report Period
Quarterly monitoring conducted by the Consultants for the project areas for Contract Packages 1 to 4 (CP-1 to 4) and Contract Package 5 (CP5) including the following parameters: • Water quality (surface water (river water) and marine water), • Air quality, • Noise and vibration, • Riverbed sediment quality, and • Terrestrial flora.	1. Water Quality Surface water for Contract Packages 1 – 4: • Monitoring was conducted at five (5) stations. One station (SW-3) was not allowed to monitor by the mayor of General Trias City. • BOD, Fecal Coliform did not meet the prescribed water quality at all stations. Oil and grease did not meet at SW-5. Other parameters met the quality guideline value. Surface water for Contract Package 5: • Monitoring was conducted at two (2) stations near the project area. • All the monitored parameters met the quality guideline value except for BOD at all stations. Marine water: • Monitoring was conducted at one (1) station established near the planned river month of San Juan Diversion Channel in Malina Bay.

Monitoring Item	Monitoring Results during Report Period
	• All the monitored parameters conformed to the prescribed water quality guideline value. 2. Air Quality Contract Packages 1 – 4: • Monitoring was conducted at seven (7) stations. One station (AQ4) was not allowed to monitor by the mayor of General Trias City. • All monitoring stations are within the set standard values. Contract Package 5: • Monitoring was conducted at two (2) stations. • All monitoring stations are within the set standard values. 3. Noise Level Contract Packages 1 – 4: • Monitoring was conducted at the same locations as air quality. • Almost all of the monitoring results exceeded the standard values of ambient noise levels. Contract Packages 5: • Monitoring was conducted at the same locations as air quality. • Monitoring results exceeded the standard values except for Daytime at AQ1. 4. Vibration • Vibration (displacement velocity) was monitored for CP1 to 4 at the same location as noise level since the pile driving work is included under the CP1 to 4. • All the monitoring results are within the maximum allowable peak velocity for the ground. 5. Riverbed sediment quality Contract Packages 3: • Riverbed sediment quality was monitored at four (4) stations along Ylang-Ylang River by applying TCLP test. • All the monitoring results are less than regulatory limit of hazardous wastes, and the sediments are evaluated as non-hazardous. 6. Terrestrial Flora • For CP1 - DENR-PENRO Cavite conducted an inspection of the affected trees and mangrove trees in the project site on 21 February 2024. • For CP3 –The Contractor already settled seedling replacements to offset those planted and naturally grown trees affected in the project area on 21 March 2024. • For CP5 – The Contractor paid for seedling replacements to offset those mangrove trees

Monitoring Item	Monitoring Results during Report Period
	affected within the project site last November 2023.