

Project Name : Projet D'Aménagement De L'Echangeur D'Amitie Ivoir-Japonaise Phase 2

THE MONITORING FORM

1) Authorisation ▪ Public consultation

Tracking element	Report
<ul style="list-style-type: none"> <li>Submission of the ESIA and draft follow-up project: Authorisation by ANDE</li> <li>Implementation of the monitoring plan in accordance with the authorisation</li> </ul>	<ul style="list-style-type: none"> <li>ESIA report was submitted and the ANDE validated the report on 10 July 2020.</li> <li>As suggested in the report, monitoring was carried out according to the same set of the items below.</li> </ul>

2) Measures to combat pollution (June 2024)

- Air quality (measured values of the atmospheric environment)

Element	Measured value (Average value)	Measured value (Maximum value)	Local reference	International standard consulted	Note: Measurement location, Frequency, Method, etc.
SO <sub>2</sub>		7.7	125	SFI (2007)	<ul style="list-style-type: none"> <li>Measurement location: 1 points</li> <li>Measuring element: SO<sub>2</sub>, NO<sub>2</sub>, CO, suspended solids, O<sub>3</sub></li> <li>Frequency: 4 times a year</li> <li>Other: Weather observation, traffic volume</li> </ul>
NO <sub>2</sub>		28	40		
CO		1.250	100.000		
O <sub>3</sub>		20.04	120		
Suspended matter		NA	-		
Dust		NA	-		<ul style="list-style-type: none"> <li>Visual confirmation</li> </ul>

- Water quality (measured wastewater values)

Element	Measured value (Average value)	Measured value (Maximum value)	Local reference	International standard consulted	Note: Measurement location, Frequency, Method, etc.
pH	8.8	10.6	5,5 - 8,5	-	During the works and after commissioning: <ul style="list-style-type: none"> <li>Place of water extraction: 2 points</li> <li>Number of measurements: 2 times a year</li> </ul>
CE			mS/m	-	
Oil film	700	1.400-	50	-	
BOD / COD	680 / 1.495	720 / 2.215	150 / 500	-	
T-P	2.3	2.4	15 mg/L	-	
T-N	78.5	127,5	50 mg/L	-	
SS	171.5	254	150 mg/L	-	
Fats and oils	700	1.400	30 mg/L	-	
Bacteria		NA	-	-	
Heavy metals :			(mg/L)	For elements that lack a reference value, reference will be made to SFI (2007).	
Cd			Cd: -		
Cr		0,0005	Cr: 0.5		
Cu		0,0005	Cu: 0.5		
Pb	0,85	1,20	Pb: 0.5		
Hg	0,025	0,035	Hg: -		
Ni		0.1	Ni: 0.5		
Zn		0,005	Zn: -		
Water temperature	32.5	32.6	< 40°C	-	

- Waste management

Tracking element	Report
1) Visual inspection of waste during work: <ul style="list-style-type: none"> <li>Verification of waste : Earth surplus from construction, Toxic substance, Household waste</li> </ul>	<ul style="list-style-type: none"> <li>Construction waste was well controlled</li> </ul>

Attachment 5. Environmental Monitoring Form / Social Monitoring Form

2) After commissioning : ▪ Confirmation of waste treatment: once a week	Local government employs private sector for garbage collection and ONAD /AGEROUTE provides road drainage cleaners.
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-Noise and vibration

Element	Measured value (Average value)	Measured value (Maximum value)	Local reference	International standard consulted	Note: Measurement location, Frequency, Method, etc.
Noise level		63.4 58.9	Daytime: 70 dB(A) Night: 50 dB(A)	-	<ul style="list-style-type: none"> <li>▪ Noise and vibration survey during works and after commissioning :</li> <li>▪ Measurement location: 2 points</li> <li>▪ Measurement item: Noise and vibration levels, 3 times a day</li> <li>▪ Frequency: 4 times a year</li> </ul>
Vibration level		NA	Daytime: 70 dB(A) Night: 50 dB(A)	-	

3) Natural environment

- Ecosystem

Tracking element	Report
1) Hydrometeor ▪ Visual verification of precipitation during works and after commissioning ▪ Verification of rainwater drainage	▪ Verification of drainage ditch water flow (buried pipe): once a month

4) Social environment

- Life ▪ Livelihood

Tracking element	Report
1) During the works: Understand the nuisance situation (impacts) for the population, such as air quality, noise, waste, etc. 2) During the works: Take stock of the situation due to the population and users of the crossroads	▪ Not applicable to the construction site

- Existing infrastructure, etc.

Tracking element	Report
1) Understand the situation regarding the relocation and conservation of existing infrastructure (public services)	- No relocation

- Traffic safety

Tracking element	Report
1) Get the pupils/students to understand the situation at the junctions	- Pedestrian crossing was well-managed by Police

- Working environment

Tracking element	Report
1) Work environment: Understanding the situation implementing EHS (Environment, Health and Safety) during the works	- Regular checks were being conducted by the relevant parties and the results were described in the respective monthly report.

- Accident

Tracking element	Report
1) Traffic situation: Enter the traffic jam situation during the works 2) Accident: Record the situation regarding accidents occurring during the works	- General traffic accidents incurred during the construction