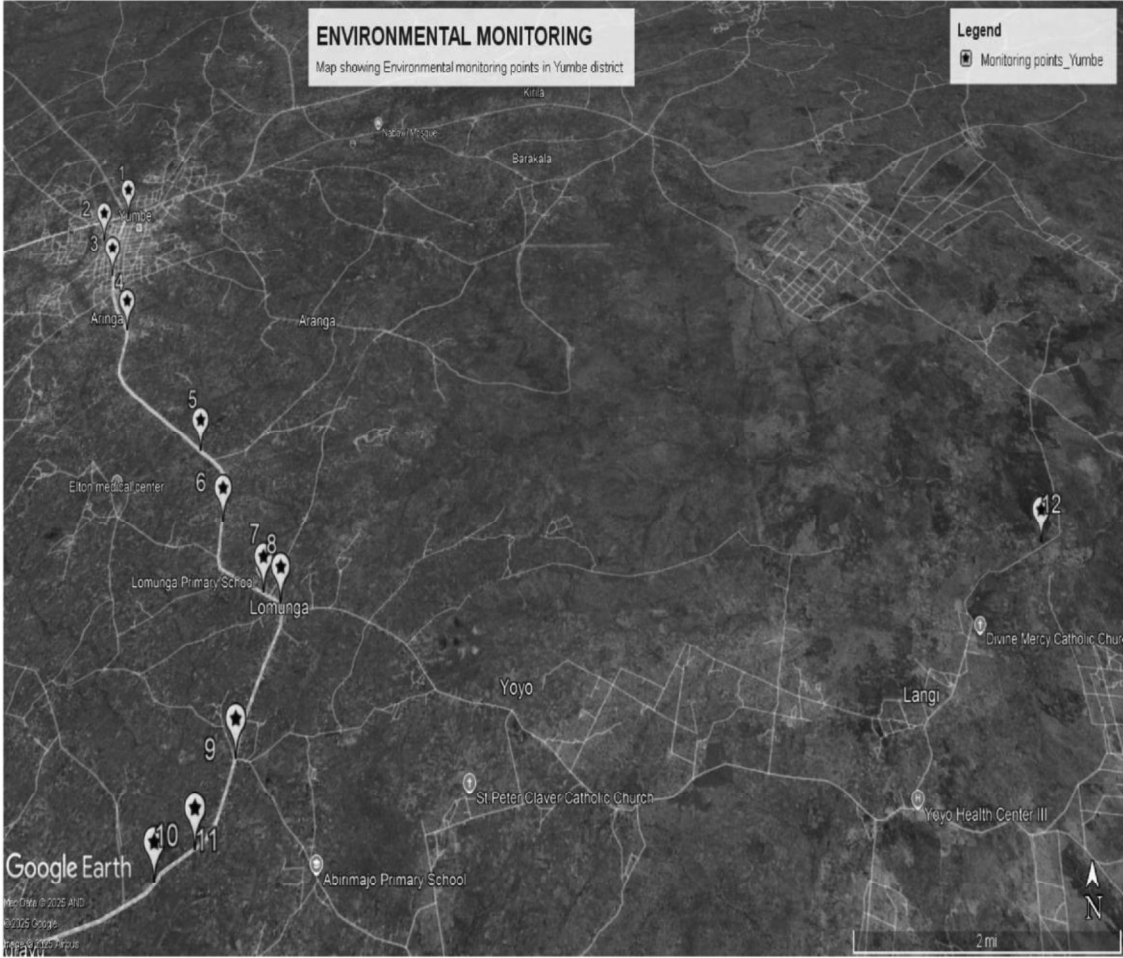


Environmental (Social) Monitoring Sheet (if indicated in G/A)



## ENVIRONMENTAL MONITORING -AIR QUALITY

Readings for Particulate matter (particles/m<sup>3</sup>) measured.

Location & Test No.	PM <sub>2.5/25</sub> µg/m <sup>3</sup> Average Recording	PM <sub>10/50</sub> µg/m <sup>3</sup> Average Recording	AQI	Temperature °F	Humidity	Impact rating	Current Weather Conditions	Potential Sources/Activity	
<b>IFC 2007 and WHO Air Quality Guidelines (AOG), 2021</b>	<b>35</b>	<b>70</b>							
Point 1	1 (May 2025)	11	22	153	81	51	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	15	16	20	32	51	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 2	1 (May 2025)	14	25	178	81	46	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	20	22	31	32	56	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 3 (new)	1 (May 2025)	-	-	-	-	-	-	-	-
	2 (Sep 2025)	14	15	20	32	57	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 4	1 (May 2025)	7	20	151	79	42	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	17	19	25	31	56	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 5	1 (May 2025)	8	22	160	74	34	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	19	20	27	33	50	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 6	1 (May 2025)	7	23	152	66	36	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	17	18	25	32	55	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 7	1 (May 2025)	7	22	121	70	38	Medium	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	14	15	25	32	54	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 8	1 (May 2025)	14	28	140	68	44	Medium	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	21	22	25	32	53	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 9	1 (May 2025)	9	22	137	75	40	High	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	13	15	18	32	53	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 10 (new)	1 (May 2025)	-	-	-	-	-	-	-	-
	2 (Sep 2025)	13	16	18	33	55	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 11 (new)	1 (May 2025)	-	-	-	-	-	-	-	-
	2 (Sep 2025)	13	16	18	34	54	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								
Point 12	1 (May 2025)	7	20	147	75	34	Low	Sunny day	Suspended particles in the area.
	2 (Sep 2025)	13	14	18	32	53	Low	Cloudy day	Suspended particles in the area.
	3 (Jan 2026)								
	4 (May2026)								

*IFC general EHS guidelines recommend that emissions do not result in pollutant concentrations that reach or exceed relevant ambient quality guidelines and standards by applying national legislated standards, or in their absence, the current WHO Air Quality Guidelines (2021).*



**Readings for other Gas Emissions Monitoring**

Point & Test No.		NH3	HCHO (µg/m <sup>3</sup> )	Impact rating	Potential Sources
<b>National Environment. (Air Quality Standard) Regulations, 2024</b>			<b>5</b>	<b>Low/Medium/High BDL (Below Detection levels)</b>	
Point 1	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.04	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 2	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.033	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 3 (new)	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.052	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 4	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.051	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 5	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.043	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 6	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.035	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 7	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.051	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 8	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.046	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 9	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.043	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 10 (new)	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.03	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 11 (new)	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.03	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				
Point 12	1 (May 2025)	0	0	Low	Exhaust fumes from motor traffic in the area
	2 (Sep 2025)	0	0.05	Low	Exhaust fumes from motor traffic in the area
	3 (Jan 2026)				
	4 (May 2026)				

**Details of the background Noise measurements within the vicinity of the project components.**

Point & Test No.		Duration (minutes)	Recorded noise level (dB(A) LEQ) *	Impact rating	Existing Noise Sources	
<b>Maximum Permissible Noise Levels (National Environment (Noise Standards and Control) Regulations, 2003)</b>			75	Low/Medium/High	Natural	Anthropogenic
Point 1	1 (May 2025)	10	74.2	Low	People	Motor traffic and business operations
	2 (Sep 2025)	15	66	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 2	1 (May 2025)	10	64	Low	People	Motor traffic and business operations
	2 (Sep 2025)	15	72	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 3 (new)	1 (May 2025)	-	-	-	-	-
	2 (Sep 2025)	15	72.2	Low	People	Human and motor vehicle movement
	3 (Jan 2026)					
	4 (May 2026)					
Point 4	1 (May 2025)	10	60.3	High	People	Human and motor vehicle movement
	2 (Sep 2025)	15	56	Low	People	Machines operating
	3 (Jan 2026)					
	4 (May 2026)					
Point 5	1 (May 2025)	10	72.5	Low	People	Motor traffic and business operations
	2 (Sep 2025)	15	86	Medium	People	Machines operating in the area
	3 (Jan 2026)					
	4 (May 2026)					
Point 6	1 (May 2025)	10	46.8	Low	People	Human and motor vehicle movement
	2 (Sep 2025)	15	61	Low	People	Motor traffic
	3 (Jan 2026)					
	4 (May 2026)					
Point 7	1 (May 2025)	10	51.4	Low	People	Motor traffic
	2 (Sep 2025)	15	71.6	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 8	1 (May 2025)	10	70.5	Low	People	Motor traffic and business operations
	2 (Sep 2025)	15	78.1	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 9	1 (May 2025)	10	55.9	Low	People	Motor traffic and business operations
	2 (Sep 2025)	15	62	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 10 (new)	1 (May 2025)	-	-	-	-	-
	2 (Sep 2025)	15	60	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 11 (new)	1 (May 2025)	-	-	-	-	-
	2 (Sep 2025)	15	56	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					
Point 12	1 (May 2025)	10	45.6	Low	People	Human and motor Bike movement
	2 (Sep 2025)	15	65	Low	People	Motor traffic and business operations
	3 (Jan 2026)					
	4 (May 2026)					

*Noise Limits are as prescribed for the Maximum Permissible Noise Levels (Continuous or intermittent noise from a Factory or Workshop in the National Environment (Noise Standards and Control) Regulations, 2003.*



**NATIONAL WATER AND SEWERAGE CORPORATION**  
**CENTRAL LABORATORY—Plot M11,old Portbell Rd,Bugolobi**  
P.O. Box 7053, KAMPALA,Email,External .services@nWSC.co.ug

**CERTIFICATE OF ANALYSIS**

Document No: NWSC/WQ/QF/42.3A

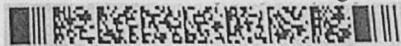
Sample Description: L: At Koro Bridge, Downstream  
Sample Received Date: 2/10/2025  
Sampled By: Client's Staff  
Sample Number: 89/398/2025/C/B

Invoice No: 25/INV/2025/585-QUO

Parameters	Units	Test Result	National Standards for UnTreated water	Test Method
Alkalinity Total	mg/l	46.0	500	APHA-23208
Bact:Escherichia Coli IDEXX	CFU/100mL	12	0	Colilert-18/APHA-9222B
Bi-Carbonates	mg/l	90.0	500	APHA-23208
Calcium ; as Ca <sup>2+</sup>	mg/l	13.60	150	APHA-3111A
Chlorides-Cl <sup>-</sup>	mg/l	12	500	Hach8206
Chromium:as Cr <sup>++</sup>	mg/l	0.0	0.05	APHA-9174
Colour(True)	TCU	97	50	Hach 8025
Copper	mg/l	0.08	2	APHA-8288
Electrical Conductivity (EC)	µs/cm	136	2500	APHA-2510
Fluoride :F <sup>-</sup>	mg/l	0.14	1.5	Hach -8029
Hardness: Total	mg/l	30.0	600	APHA-2340C
Iron: Total	mg/l	0.420	0.3	APHA3111A
Lead:as Pb <sup>++</sup>	mg/l	0.0	0.1	APHA-8288
Magnesium : as Mg <sup>2+</sup>	mg/l	4.80	100	APHA-3111A
Nickel:as Ni <sup>+</sup>	mg/l	0.0	0.02	APHA-8288
Nitrate-N	mg/l	0	45	Hach 8192
Nitrite	mg/l	0.0	0.2	Hach8192
pH(Physical Chemical)	-	7.12	5.5– 9.5	APHA-4500H 8
Phosphorus	mg/l	0.01	1.0	Hach3025-31
Potassium:as K <sup>+</sup>	mg/l	3.0	50	APHA-9964-1
Sodium:as Na <sup>+</sup>	mg/l	12.0	200	APHA-9964-1
Sulphates:SO <sub>4</sub> <sup>2-</sup>	mg/l	22	400	Hach 8051
Total dissolved solids (TDS)	mg/l	127	1500	APHA-2540C
Total suspended solids (TSS)	mg/l	13	0.0	APHA-25400
Turbidity	NTU	18.50	25	Hach 8195

Remarks; The sample tested showed uncomplying physio-chemical & microbiology characteristics as provided for by the National Standards for untreated portable water

AUTHORISED BY: Manager, Central Laboratory Services.....  
APPROVED BY: Senior Manager-Water Quality Management .....



\*\*\* The NWSC certificate of analysis by no means constitutes a permit to any person undertaking to conduct business. Results are for the sample as received at the laboratory premises.



## ENVIRONMENTAL MONITORING - Social Environment

### Accidents

Monitoring Item	Monitoring Result during Report Period	Necessity of Countermeasures and Measures Taken
Accident report (traffic and third-party accident)	No accident reported	Traffic lane marker, traffic signs, rumble strips designed

### Global Warming

Monitoring Item	Monitoring Result during Report Period	Necessity of Countermeasures and Measures Taken
Sensitization on emission of greenhouse gas	LED Light designed	after completion

### Transboundary Problems

Monitoring Item	Monitoring Result during Report Period	Necessity of Countermeasures and Measures Taken
Monitoring of OPM's record on Influx of refugees	No updated report	N/A

### Repairing of National Road

11-13 October-2025 ; km 1+100 to km 2+300, leveling of road surface roughness