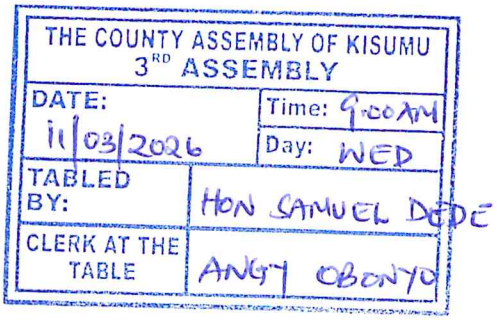
COUNTY ASSEMBLY OF KISUMU



THIRD ASSEMBLY – FOURTH SESSION

COMMITTEE ON WATER, ENVIRONMENT, NATURAL RESOURCES AND CLIMATE CHANGE.

REPORT ON THE MATTER OF POLLUTION OF RIVER OROBA AND NYAKOKO STREAM BY KEDA CERAMIC IN MUHORONI SUB-COUNTY.

Presented by

HON. SAMUEL DEDE

MARCH,2026.

DIRECTORATE OF COMMITTEE SERVICES,

CLERKS CHAMBERS, KISUMU COUNTY ASSEMBLY

1.0 CHAIRPERSON'S FORWARD.

The departmental committee on Water, Environment, Natural Resources and Climate Change received a statement raised by Hon. Fredrick Adonijah in regards to the matter of pollution of River Oroba and Nyakoko Stream by KEDA Ceramic International Company Limited, situated in Muhoroni Sub-County, Pursuant to standing order no 41(2)(b) of the Kisumu County Assembly Standing Orders. Through this invocation, the Hon. Member sought the intervention of the committee on Water, Environment, Natural Resources and Climate Change to investigate the matter of pollution of River Oroba and Nyakoko Stream by KEDA Ceramic International Company Limited, situated in Muhoroni Sub-County. (ANNEX 1)

In the course of its deliberations on the statement, the Committee held consultative meetings with representatives from the Department of National Environment Management Authority (NEMA) as well as the Department of Water, Environment, Natural Resources and Climate Change.

The Committee also conducted inspection visits to KEDA Ceramics Company and to River Oroba in Muhoroni Sub-County to assess the matters raised in the statement firsthand.

In his statement, he outlined the following concerns;

1. Whether the company has water treatment infrastructure in place to ensure that no harmful or untreated industrial waste reaches natural water bodies?
2. Whether the company conduct internal environmental audits or commission any third-party environmental assessments relating to waste discharge? If so, can those findings be made public?
3. What specific environmental management measures has KEDA Ceramics undertaken in response to the confirmed water contamination in the area?
4. What is the company's response to the allegations that its activities pose a threat to public health, farming, fishing livelihoods, and the long-standing cultural practices of the Kabar-Miwani and Kibigori communities?
5. How does the company intend to engage with and compensate affected local communities whose water access, economic activities and environmental rights have been compromised by its operations?

During the inquiry, the Committee noted that KEDA Ceramics Company had been issued with the requisite documents such as KEDA Ceramics' license to transport waste **(ANNEX 2)** , Exhauster Services Tracking Form **(ANNEX 3)**, Waste Resources Authority Certificate on waste water laboratory result **(ANNEX 4)**, Effluent discharge License **(ANNEX 5)**, and other relevant compliance certificates by the National Environment Management Authority (NEMA), authorizing it to operate within the area in accordance with established environmental regulations. **(ANNEX 6)**. The committee also received a written submission from the department of Water, Environment, Natural Resources and Climate Change. **(ANNEX 7)**

The Committee further observed that the issuance of the licence was subject to specific terms and conditions intended to ensure adherence to environmental standards, including waste management, emissions control, and the protection of surrounding natural resources.

The Committee visited KEDA Ceramics Company on 23rd July 2025 pursuant to its oversight mandate. However, despite prior notification through a letter dated 17th July 2025, the Company declined to receive or facilitate the Committee during the scheduled visit. The Committee noted this lack of cooperation with concern, particularly given the gravity of the issues under inquiry. **(ANNEX 8)**

During the same visit, the Committee engaged members of the local community residing near River Oroba. The residents informed the Committee that the Company allegedly discharges waste effluent into the river. They indicated that this was most evident during the early morning hours, when whitish effluent could reportedly be observed flowing into the water.

The Committee took note of these allegations and emphasized the need for independent verification through appropriate environmental assessments, including water quality testing and a review of the Company's waste management systems, to ascertain compliance with the requirements set by the National Environment Management Authority (NEMA) and other relevant regulatory frameworks.

The Committee consequently recommends that this Honourable House adopt this Report and resolve that the management of KEDA Ceramics and National Environment Management Authority (NEMA), be required to appear before the Whole House within 14 days upon adoption of the report for comprehensive deliberations regarding the alleged pollution of River Oroba attributed to the operations of KEDA Ceramics.

The appearance should enable the House to:

1. Receive a detailed report on the nature, extent, and causes of the pollution.
2. Clarify the roles and responsibilities of both KEDA Ceramics and NEMA in environmental compliance and enforcement.
3. Outline the immediate and long-term mitigation measures undertaken to address the pollution.
4. Present a clear remediation and restoration plan for River Oroba.
5. Provide assurances on preventive mechanisms to avert future environmental degradation.

The Committee further recommends that the House issues appropriate directions following these deliberations to safeguard public health, protect the environment, and ensure accountability in accordance with existing environmental laws and regulations.

On behalf of the Committee, and pursuant to the provisions of Standing Order No. 193(5)(a), it is both my duty and privilege to present to the County Assembly the Committee's Report on the matter of pollution of River Oroba and Nyakoko Stream by KEDA Ceramic International Company Limited, situated in Muhoroni Sub-County.

Signature ..... Date...10/03/2026.....

HON. SAMUEL DEDE.

CHAIRPERSON

1.1 PREAMBLE

Mr. Speaker and Hon. Members,

1.2 MANDATE/LEGAL FRAMEWORK

The Committee executes its mandate in accordance with the provisions of Standing Orders No. 193 (4), (5) and further Orders No. 193 (Second Schedule) from which it draws its mandate to look into and investigate on; All matters relating to the provision of clean water for domestic use.

Implementation of specific National Government policies on Natural resources and environmental conservation, including soil and water conservation and forest and control of air pollution, noise pollution, other public nuisance and outdoor advertising, Climate change.

OVERSIGHT

The committee oversees the county department of Water, Environment, Natural Resources and Climate Change.

1.3 MEMBERS OF THE COMMITTEE

Mr. Speaker and Hon. Members,

The following are the current members of the committee.

The Hon. Samuel Dede (**Chairperson**)
MCA, North Kisumu Ward
The Hon. Mickey Ochieng (**Vice Chairperson**)
MCA- Nominated

Hon. Geofrey Warindu
MCA, Miwani Ward

Hon. Maurice Ngeta
MCA, Awasi/Onjiko Ward

Hon. Millicent Omuya
MCA, North Seme Ward.

Hon. Pamela Oyoo
MCA, Migosi Ward

Hon. Peter Obaso
MCA- Nominated.

Hon. Habil Nyasuna
MCA, Masogo/ Nyang'oma Ward

SECRETARIAT

The committee secretariat comprise of the following;

Mr. Benard Abuodha
Senior Clerk Assistant
Lead Clerk

Mr. Evans Odhiambo
Clerk Assistant

Mr. Silas Kapesa
Sergeant at Arm

Mr. Fanuel Okode
Hansard

1.5 BACKGROUND INFORMATION

Mr. Speaker Sir and Hon. Members,

Water is the most vital natural resource, indispensable for the sustenance of life and a fundamental driver of social and economic development. It underpins public health, food production, industry, environmental sustainability, and overall human prosperity. Without reliable access to clean and safe water, communities are exposed to significant health risks and economic hardship.

The growing demand for water, coupled with the scarcity of safe and potable supplies, has raised serious concern among residents of Kisumu County. As a result, many households have increasingly turned to alternative sources of water, including rivers and other flowing surface waters, to meet their domestic and livelihood needs.

The pollution of such water sources constitutes a grave injustice to affected communities. It poses serious risks to human health, threatens domestic animals that rely on the same sources, and disrupts aquatic ecosystems that depend on clean river systems. Contamination of river waters not only endangers present populations but also compromises environmental sustainability and the rights of future generations to access safe and adequate water resources.

Rationale on the inquiries into the pollution of the rivers.

Arising from the above, the statement was committed to the committee on Water, Environment, Natural Resources and Climate Change pursuant to the standing order No. 41(2)(b) of the Kisumu County Assembly Standing Orders. The aim of the inquiry was to;

1. Whether the company has water treatment infrastructure in place to ensure that no harmful or untreated industrial waste reaches natural water bodies?
2. Whether the company conduct internal environmental audits or commission any third-party environmental assessments relating to waste discharge? If so, can those findings be made public?
3. What specific environmental management measures has KEDA Ceramics undertaken in response to the confirmed water contamination in the area?
4. What is the company's response to the allegations that its activities pose a threat to public health, farming, fishing livelihoods, and the long-standing cultural practices of the Kabar-Miwani and Kibigori communities?
5. How does the company intend to engage with and compensate affected local communities whose water access, economic activities and environmental rights have been compromised by its operations?

INQUIRY INTO THE MATTER OF POLLUTION OF RIVER OROBA AND NYAKOKO STREAM.

In the inquiry into the matter of pollution affecting River Oroba and Nyakoko Stream, the committee scheduled meetings with the following entities in order to gather evidence and obtain relevant information regarding the alleged environmental degradation:

1. **KEDA Kenya Ceramics Company Limited** – to provide clarification on its operations, waste management practices, and any possible discharge that may have impacted the water bodies.
2. **National Environment Management Authority (NEMA)** – to present regulatory records, compliance reports, inspection findings, and any enforcement actions taken in relation to the matter.

The purpose of these meetings was to establish the facts, assess compliance with environmental regulations, and determine appropriate recommendations or corrective measures.

The Committee further wrote to the Department of Water, Environment and Natural Resources seeking policy guidance on matters relating to the reported environmental degradation and issues arising from the ongoing inquiry.

Specifically, the Committee requested clarification on the existing policy and regulatory framework governing water resource protection, environmental conservation, and pollution control, as well as the roles and responsibilities of the relevant agencies. The Department was also asked to advise on any mitigation measures, enforcement mechanisms, and long-term strategies in place to prevent further degradation of River Oroba and Nyakoko Stream, and to provide recommendations that could inform the Committee's findings and final report.

Submission by County director NEMA, Mr. Leonard Ofula.

Mr. Leonard Ofula, County director, NEMA Kisumu County, appeared before the committee on 28th August, 2025 and submitted that;

KEDA began its operations in Kisumu in 2021. They were issued with the requisite documents to athourise them work in Kisumu County after they demonstrated compliance.

National Environment Management Authority (NEMA) has received numerous complaints from members of the community regarding the pollution of River Oroba and Nyakoko Stream in the Muhoroni–Koru area.

The reported concerns include the discharge of untreated or inadequately treated effluent into these water bodies, resulting in water contamination, unpleasant odors, and potential

risks to public health, aquatic life, and downstream users. Community members have expressed concern over the deterioration of water quality and its impact on domestic use, agriculture, and the surrounding ecosystem.

Initially, KEDA Ceramics reportedly denied officers from the National Environment Management Authority (NEMA) access to its premises during an inspection visit. However, the officials were later granted entry after further engagement.

Upon inspection, NEMA established that KEDA Ceramics relied on a septic tank system for the management of domestic wastewater. The septic tank was found to be undersized and inadequate to handle the volume of waste generated at the facility. As a result, the system frequently overflowed, leading to the discharge of untreated or partially treated effluent into nearby water bodies.

KEDA was issued with a waste transportation and disposal permit by the National Environment Management Authority (NEMA), authorizing the company to transport its waste for proper treatment and disposal.

Under the terms of this authorization, KEDA was required to convey the waste to the KIWasco lagoon located in Nyalenda for treatment and safe disposal. The KIWasco lagoon is managed by Kisumu Water and Sanitation Company (KIWASCO) and is designated for wastewater treatment in compliance with environmental standards.

The permit was granted subject to strict adherence to NEMA regulations, including proper documentation of waste transportation, use of licensed waste transporters, and ensuring that disposal is conducted only at the approved treatment facility. Failure to comply with these conditions may attract regulatory enforcement measures in line with environmental laws.

He added that a joint team should visit KEDA and collect sample for test.

Submission by Environment officer Muhoroni sub county.

Muhoroni Sub County environment officer appeared before the committee on 28th August and submitted that;

When KEDA commenced its operations in Kisumu, it was reported that the company discharged industrial effluent directly into nearby water bodies, including River Oroba.

In addition, there were repeated instances in which officials from the County Government of Kisumu were allegedly denied access to the company's premises during inspection visits. Denial of entry to authorized environmental officers hinders oversight and may amount to non-compliance with statutory requirements governing environmental monitoring and enforcement.

These actions raised concerns regarding adherence to environmental standards and underscored the need for strict compliance with effluent management regulations, routine inspections, and the implementation of adequate wastewater treatment systems to prevent further environmental degradation.

OBSERVATIONS.

Regulatory approval and emerging compliance concerns

KEDA Kenya Ceramics Company Limited was lawfully established in 2021 after obtaining the required approvals from National Environment Management Authority (NEMA). Despite initial compliance, subsequent operations raised serious environmental concerns, suggesting a gap between approval conditions and ongoing compliance monitoring.

Persistent community complaints indicate ongoing pollution

NEMA has received numerous complaints from local communities regarding; Water contamination, foul odors, risks to public health, aquatic ecosystems, and downstream users. This indicates that the pollution problem is not isolated but sustained and widespread, affecting livelihoods and ecosystem integrity.

Evidence of inadequate wastewater management

Inspection findings revealed that: KEDA relied on a septic tank system that was undersized and inadequate. The system frequently overflowed, resulting in discharge of untreated or partially treated effluent into River Oroba and Nyakoko Stream. This demonstrates poor infrastructure planning and failure to match waste systems with production capacity.

Obstruction of Regulatory oversight

Both NEMA and County officials reported instances where KEDA initially denied access to inspectors. This behavior undermines regulatory enforcement and suggests possible non-transparency or concealment of non-compliance.

Environmental and Public Health Risk

The discharge of untreated or poorly treated effluent poses risks, contamination of water used for domestic and agricultural purposes, ecosystem degradation, biodiversity loss, and cumulative pollution effects.

Overall Observation

The submissions collectively point to a situation where initial regulatory compliance by KEDA has been undermined by operational failures, weak waste management systems, and possible non-compliance with environmental standards, compounded by enforcement and coordination challenges among oversight agencies.

RECOMMENDATIONS

The Committee recommends that this Honourable House adopt this Report and resolve that the management of KEDA Ceramics and National Environment Management Authority (NEMA), be required to appear before the Whole House within 14 days upon adoption of the report for comprehensive deliberations regarding the alleged pollution of River Oroba attributed to the operations of KEDA Ceramics.

The appearance should enable the House to:

1. Receive a detailed report on the nature, extent, and causes of the pollution.
2. Clarify the roles and responsibilities of both KEDA Ceramics and NEMA in environmental compliance and enforcement.
3. Outline the immediate and long-term mitigation measures undertaken to address the pollution.
4. Present a clear remediation and restoration plan for River Oroba.
5. Provide assurances on preventive mechanisms to avert future environmental degradation.

The Committee further recommends that the House issues appropriate directions following these deliberations to safeguard public health, protect the environment, and ensure accountability in accordance with existing environmental laws and regulations.

ANNEX I

Statement S/No. 11 of 4/25

ASSEMBLY OF KISUMU
ASSEMBLY
Date:
Time:
TABLED BY:
CLERK AT THE TABLE

COUNTY ASSEMBLY OF KISUMU
OFFICE OF THE SPEAKER
24 JUN 2025
RECEIVED
P.O. BOX 86-40100, KISUMU

COUNTY GOVERNMENT OF KISUMU
THIRD ASSEMBLY – FOURTH SESSION

REQUEST FOR A STATEMENT ON THE ALLEGED ENVIRONMENTAL POLLUTION OF OROBA RIVER AND NYAKOKO STREAM BY KEDA CERAMICS IN MUHORONI SUB-COUNTY, KISUMU COUNTY.

Hon Speaker,

I rise pursuant to Standing Order No. 41(2)(c), to request a Statement from the Chairperson of the Water, Environment, Natural Resources and Climate Change Committee regarding serious allegations of environmental pollution by KEDA Ceramics Ltd at its Miwani facility in Kisumu County.

Hon Speaker,

It has come to the attention of residents in the Kabar-Miwani area that KEDA Ceramics Ltd is discharging untreated effluents into the Oroba River and the Nyakoko Stream. Water samples and independent tests conducted by environmental experts at Oroba River Bridge near Miwani Station and along the Nyakoko Stream have confirmed the presence of contamination originating from the company's operations. The effluent, described as a cloudy white discharge, is believed to pose an immediate and long-term threat to public health, food security, water safety, the livelihoods of farmers and fishermen, and the community's cultural and traditional practices that are intertwined with these vital water bodies.

The Oroba River and Nyakoko Stream have served as essential resources for the Kabar-Miwani and downstream communities since the 18th century. The Constitution of Kenya guarantees every citizen the right to a clean and healthy environment under Article 42, a right further affirmed in Section 3 of the Environmental Management and Coordination Act (EMCA). Additionally, Regulation 4 of the Water Quality Regulations, 2006, strictly prohibits the

discharge of untreated effluent into aquatic ecosystems, while Regulation 9 sets specific effluent discharge standards, which appear to have been violated in this case.

Hon Speaker, in light of these concerns, I request that the Chairperson table before this Honorable House information regarding the following key issues:

1. Whether the company has water treatment infrastructure in place to ensure that no harmful or untreated industrial waste reaches natural water bodies?
2. Whether the company conduct internal environmental audits or commission any third-party environmental assessments relating to waste discharge? If so, can those findings be made public?
3. What specific environmental management measures has KEDA Ceramics undertaken in response to the confirmed water contamination in the area?
4. What is the company's response to the allegations that its activities pose a threat to public health, farming, fishing livelihoods, and the long-standing cultural practices of the Kabar-Miwani and Kibigori communities?
5. How does the company intend to engage with and compensate affected local communities whose water access, economic activities, and environmental rights have been compromised by its operations?

Hon Speaker, the continued pollution of natural water sources violates the law and undermines the dignity, health, and economic survival of entire communities. This matter demands immediate action, transparency, and accountability from both the polluter and the environmental regulators.

Sign:..... Date..23/6/2025.....
HON FREDRICK ADONIJA, MCA
CHEMELIL/TAMU WARD

ANNEX 2

WM 2 060154

FORM II **FORM NEMA /WM/5**

nema

Mamlaka ya Usimamizi wa Mazingira

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY(NEMA)

THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT

LICENSE TO TRANSPORT WASTE

(r. 7)

License No : NEMA/WM/LTW/10212

Application Ref No: NEMA/WM/TA/16212

Name : KEDA CERAMICS INTERNATIONAL CO. LTD

Address : PO BOX 3067-40100 KISUMU

You are hereby licensed to transport waste to
KIWASCO NYALENDA LAGOON

(Exhausters/Sewage)

From KEDA FACTORY IN MIWANI

Type and registration number of vehicle: HOWO 10T TRUCK , KDK 196L

This license is valid from date : 09 September, 2024 To date : 08 September, 2025

This license is granted subject to the following conditions *(See Overleaf)*

Date:
09 September, 2024

Signature

Director-General
The National Environment Management Authority.

Submit Cancel Conditions

P.T.O.

ISO 9001 : 2015 Certified

ANNEX 2

WM23060154

FORM II FORM NEMA /WM/5

nema

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY(NEMA)

THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT

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09 September, 2024

Signature

Director-General
The National Environment Management Authority.

Submit Cancel Conditions

P.T.O.

ISO 9001 : 2015 Certified

CamScanner

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

TRANSPORTER A	Serial Number: 274 WWO/O/EXH/...../...../20... Serial WWO/EXH: Vehicle No./(Trip Number)/20.... Registration name of Transporter: KEDA COMPANY Usual Municipality/ District of operation: KISUMU NEMA Licence number ..... KIWASCO Licence number .....

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY Type of waste: SLUDGE Description & Physical nature of waste: SLUDGE Quantity/size of waste(m3): 10,000 litres Number of container/trips: 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above The waste was delivered in Vehicle (Reg- Number) KDK 196E At(Time) 1322hrs on(date) 29/04/2025 as Daniel on behalf of KEDA COMPANY The waste shall be disposed off as per disposal license issued by the authority Sighed ..... Name Oiko Charles Position Operator Date 29/04/2025 Point of disposal Kisumu

CamScanner

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

ANNEX 3

TRANSPORTER A	Serial Number: 291 WWO/O/EXH/...../...../20... Serial WWO/EXH: Vehicle No./(Trip Number)/20.... Registration name of Transporter: KEDA COMPANY Usual Municipality/ District of operation: KISUMU NEMA Licence number ..... KIWASCO Licence number .....

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY Type of waste: SEWAGE Description &Physical nature of waste: SLUDGE Quantity/size of waste(m3): 10,000 Litres Number of container/trips: 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above The waste was delivered in Vehicle (Reg- Number) KDK196E At(Time) 11:02 am/pm on(date) 02/08/2025 as Daniel on behalf of KEDA COMPANY. The waste shall be disposed off as per disposal license issued by the authority Sighed ..... Name: Duke Charles Position: ..... Date: 02/08/2025 Point of disposal: .....

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

ANNEX 3

TRANSPORTER A	Serial Number: 282 WWO/O/EXH/...../...../20....
	Serial WWO/EXH: Vehicle No./(Trip Number)/20....
	Registration name of Transporter: KEDA COMPANY
	Usual Municipality/ District of operation: KISUMU
	NEMA Licence number: KEDA KISUMU
	KIWASCO Licence number: KISUMU

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY
	Type of waste: SEWABLE
	Description &Physical nature of waste: SLUDGE
	Quantity/size of waste(m3): 10,000 Litres
	Number of container/trips: 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above
	The waste was delivered in Vehicle (Reg- Number) KDK 196E At(Time) 1350hrs on(date) 18/06/2025
	as Daniel on behalf of KEDA COMPANY
	The waste shall be disposed off as per disposal license issued by the authority
	Sighed ..... Name Zadock Opiyo
	Position P. operator Date 18/06/2025
	Point of disposal Lagoon

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

ANNEX 3

TRANSPORTER A	Serial Number: 276 WWO/O/EXH/...../...../20... Serial WWO/EXH: Vehicle No./(Trip Number)/20.... Registration name of Transporter: KEDA CERAMIC CO. Usual Municipality/ District of operation: KISUMU NEMA Licence number ..... KIWASCO Licence number .....

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY Type of waste SLUDGE Description &Physical nature of waste: SLUDGE Quantity/size of waste(m3) 10,000 Litres Number of container/trips 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above The waste was delivered in Vehicle (Reg- Number) KDK 916E At(Time) 1645 hrs on(date) 12/05/2025 as Daniel on behalf of KEDA COMPANY The waste shall be disposed off as per disposal license issued by the authority Sighed ..... Name ..... Position ..... Date ..... Point of disposal .....

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

ANNEX 3

TRANSPORTER A	Serial Number: 273 WWO/O/EXH/...../...../20... Serial WWO/EXH: Vehicle No./(Trip Number)/20.... Registration name of Transporter: KEDA COMPANY Usual Municipality/ District of operation: KISUMU NEMA Licence number ..... KIWASCO Licence number .....

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY Type of waste SEWAGE Description &Physical nature of waste: SEWAGE (Liquid) Quantity/size of waste(m3) 10,000 Litres Number of container/trips 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above The waste was delivered in Vehicle (Reg- Number) KDK196E At(Time) 10:32 on(date) 15/04/2025 as Daniel on behalf of KEDA COMPANY The waste shall be disposed off as per disposal license issued by the authority Sighed ..... Name DANIEL DEMBAND Position PLANT OPERATOR Date 15/04/2025 Point of disposal NYOLENDO PONDS

KEDA CERAMICS INTERNATIONAL CO. LTD

EXHAUSTER SERVICES TRACKING FORM

ANNEX 3

TRANSPORTER A	Serial Number: 266 WWO/O/EXH/...../...../20...
	Serial WWO/EXH: Vehicle No./(Trip Number)/20....
	Registration name of Transporter: KEDA CERAMIC COMPAN
	Usual Municipality/ District of operation: KISUMU
	NEMA Licence number .....
	KIWASCO Licence number .....

CONSIGNMENT NOTE FOR THE CARRIAGE AND DISPOSAL OF LIQUID WASTE

A Description of Waste	Area of collection: KEDA COMPANY
	Type of waste: STORAGE
	Description &Physical nature of waste: STORAGE
	Quantity/size of waste(m3): 10,000 Litres
	Number of container/trips: 1
C Disposer's Certificate	I certify that I have received the waste as described in A and above
	The waste was delivered in Vehicle (Reg- Number) KDK196E At(Time) 1200hrs on(date) 22/03/2025
	as Daniel on behalf of Keda Company
	The waste shall be disposed off as per disposal license issued by the authority
	Sighed ..... Name Osum Omoma
	Position Plant Operator Date 22/03/2025
	Point of disposal Uyoma Dump

FORM F/9/1/5

ANNEX 4

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

JAN 2025
Attached for EDL license

Wastewater Laboratory Results Certificate

Report Issue Date:	31/01/2025	Sample No:	0324/24-25	Year:	2025
Name of Customer:	Keda Ceramics International Company Ltd	Date Received:	27/01/2025		
Address:	P.O Box 3067-40100, Kisumu	Date of Sampling:	25/01/2025		
Telephone Number:	0700505576	Type of Sample:	Effluent		
Sample submitted by:	Keda Ceramics International Company Ltd	Source of sample:	Sewage treatment plant-final effluent		
Purpose of sampling:	Water Quality Assessment	Received by:	Beryl		

PARAMETERS	UNIT	ANALYTICAL METHOD	RESULTS	EFFLUENT DISCHARGE STANDARDS (MAX.)	
				ENVIRONMENT (KS 1966-2:2007)	PUBLIC SEWERS (KS 1966-2:2007)
Temperature	°C		26.5	±3 ambient temp	35
pH	pH Scale	APHA 4500-H^+ B	7.0	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	1912	-	-
BOD_5 (20 °C)	mgO_2 L^{-1}	APHA 5210 D	28	30	500
COD	mgO_2 L^{-1}	APHA 5220 C	56	60	1000
Turbidity	NTU	APHA 2130 B	23	30	300
Total Suspended Solids	mg L^{-1}	APHA 2540 D	25	100	250
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	955	1200	2000
Nitrites	$mgNO_2^-$-N L^{-1}	APHA 4500-NO_2^- B	0.08	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	0.6	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.15	5	10

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments: Based on the analyzed parameters, the sample performed as shown. The final effluent has met the effluent standards (KS 1966-2:2007) for discharge into the environment.

.....
Beryl Akinyi
Laboratory Analyst

.....
Fanuel Onyango
Senior Water Quality and Pollution Control Officer

Issued by: .....
Basin Area Coordinator

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

FORM F/9/15

ANNEX 4

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

JAN 2025
Befor Treatment

Report Issue Date:	31/01/2025	Sample No:	0325/24-25	Year:	2025
Name of Customer:	Keda Ceramics International Company Ltd	Date Received:	27/01/2025		
Address:	P.O Box 3067-40100, Kisumu	Date of Sampling:	25/01/2025		
Telephone Number:	0700505576	Type of Sample:	Effluent		
Sample submitted by:	Keda Ceramics International Company Ltd	Source of sample:	Sewage treatment plant-raw effluent		
Purpose of sampling:	Water Quality Assessment	Received by:	Beryl		

PARAMETERS	UNIT	ANALYTICAL METHOD	RESULTS	EFFLUENT DISCHARGE STANDARDS (MAX.)	
				ENVIRONMENT (KS 1966-2:2007)	PUBLIC SEWERS (KS 1966-2:2007)
Temperature	°C		26.5	±3 ambient temp	35
pH	pH Scale	APHA 4500-H^+ B	7.04	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	1808	-	-
BOD_5 (20 °C)	mgO_2 L^{-1}	APHA 5210 D	70	30	500
COD	mgO_2 L^{-1}	APHA 5220 C	160	60	1000
Turbidity	NTU	APHA 2130 B	139	30	300
Total Suspended Solids	mg L^{-1}	APHA 2540 D	11.4	100	250
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	905	1200	2000
Nitrites	$mgNO_2^-$-N L^{-1}	APHA 4500-NO_2^- B	0.1	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	0.5	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.13	5	10

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments: Based on the analyzed parameters, the sample performed as shown.

.....
Beryl Akinyi
Laboratory Analyst

.....
Fanuel Onyango
Senior Water Quality and Pollution Control Officer

Issued by: .....
Basin Area Coordinator

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 4

FORM F/9/1/5

MAY 2025

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

Report Issue Date:	27/5/2025	**Sample No:**	0450/24-25	**Year:**	2025
Name of Customer:	Keda Ceramics International Company Ltd	**Date Received:**	20/5/2025		
Address:	P.O Box 3067-40100, Kisumu	**Date of Sampling:**	20/5/2025		
Telephone Number:	-	**Type of Sample:**	Wastewater		
Sample submitted by:	Keda Ceramics International Company Ltd	**Source of sample:**	WWTP Outlet Effluent		
Purpose of sampling:	Water Quality Assessment	**Received by:**	Atieno		

PARAMETERS	UNIT	ANALYTICAL METHOD	RESULTS	EFFLUENT DISCHARGE STANDARDS (MAX.)	
				ENVIRONMENT (KS 1966-2:2007)	PUBLIC SEWERS (KS 1966-2:2007)
Temperature	°C			±3 ambient temp.	35
pH	pH Scale	APHA 4500-H^+ B	7.2	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	1634	-	-
BOD_5 (20 °C)	mgO_2 L^{-1}	APHA 5210 D	**26**	30	500
COD	mgO_2 L^{-1}	APHA 5220 C	**46**	60	1000
Turbidity	NTU	APHA 2130 B	**24**	30	300
Total Suspended Solids	mg L^{-1}	APHA 2540 D	31	100	250
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	817	1200	2000
Nitrites	$mgNO_2^-$N L^{-1}	APHA 4500-NO_2^- B	0.12	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	1.2	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.1	5	10
Lead	mg Pb L^{-1}	AAS	0.005	0.01	-
Chromium	mg Cr L^{-1}	AAS	Not detected	0.5	-
Zinc	mg Zn L^{-1}	AAS	0.3	3.0	-
Cadmium	mg Cd L^{-1}	AAS	Not detected	0.003	-
Copper	mg Cu L^{-1}	ASS	0.84	2.0	-

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments: The sample performed as shown. Based on the analyzed parameters, the wastewater has met the effluent standards for discharge into the environment.

.....
Laboratory Analyst

.....
Water Quality and Pollution Control Officer

WATER RESOURCES AUTHORITY
LAKE VICTORIA SOUTH BASIN AREA
P.O. BOX 666 - 40100, KISUMU
TEL: 057 2025493

Issued by: .....
Basin Area Coordinator

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 4

FORM F/9/1/5

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

Report Issue Date:	12/6/2025	**Sample No:**	0468/24-25	**Year:**	2025
Name of Customer:	Keda Ceramics International Company Ltd	**Date Received:**	30/5/2025		
Address:	P.O Box 3067-40100, Kisumu	**Date of Sampling:**	30/5/2025		
Telephone Number:	-	**Type of Sample:**	Wastewater		
Sample submitted by:	Keda Ceramics International Company Ltd	**Source of sample:**	Raw material discharge – Treated samples (Plant)		
Purpose of sampling:	Water Quality Assessment	**Received by:**	Otieno		

PARAMETERS	**UNIT**	**ANALYTICAL METHOD**	**RESULTS**	**EFFLUENT DISCHARGE STANDARDS (MAX.)**	
				ENVIRONMENT (KS 1966-2:2007)	**PUBLIC SEWERS (KS 1966-2:2007)**
Temperature	°C			±3 ambient temp.	35
pH	pH Scale	APHA 4500-H^+ B	7.26	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	675.8	2500	-
COD	**mgO_2 L^{-1}**	**APHA 5220 C**	**56**	**60**	**1000**
Turbidity	**NTU**	**APHA 2130 B**	**21**	**30**	**300**
Total Suspended Solids	**mg L^{-1}**	**APHA 2540 D**	**25**	**100**	**250**
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	337.6	1200	2000
Nitrites	$mgNO_2^-$–N L^{-1}	APHA 4500-NO_2^- B	-	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	0.6	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.1	5	10
Lead	mg Pb L^{-1}	AAS	0.001	0.01	-
Chromium	mg Cr L^{-1}	AAS	Not detected	0.5	-
Zinc	mg Zn L^{-1}	AAS	0.007	3.0	-
Cadmium	mg Cd L^{-1}	AAS	Not detected	0.003	-
Copper	mg Cu L^{-1}	ASS	0.1	2.0	-

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments:, The sample performed as shown. Based on the analyzed parameters, the sample has met Kebs discharge standards for discharge into the environment. Treatment was achieved with a combination of 8.2 kg/1000L PAC and 600g/1000L PAM coagulants

.....
Laboratory Analyst

.....
Water Quality and Pollution Control Officer

Issued by: WATER RESOURCES AUTHORITY
Basin Area Coordinator LVSBA SOUTH BASIN AREA
P. O. Box 666 - 40100, KISUMU
TEL: 057 2025493

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 4

FORM F/9/1/5

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

Report Issue Date:	12/6/2025	**Sample No:**	0469/24-25	**Year:**	2025
Name of Customer:	Keda Ceramics International Company Ltd	**Date Received:**	30/5/2025		
Address:	P.O Box 3067-40100, Kisumu	**Date of Sampling:**	30/5/2025		
Telephone Number:	-	**Type of Sample:**	Wastewater		
Sample submitted by:	Keda Ceramics International Company Ltd	**Source of sample:**	Raw material discharge – Treated samples (Lab Jar test)		
Purpose of sampling:	Water Quality Assessment	**Received by:**	Otieno		

PARAMETERS	**UNIT**	**ANALYTICAL METHOD**	**RESULTS**	**EFFLUENT DISCHARGE STANDARDS (MAX.)**	
				ENVIRONMENT (KS 1966-2:2007)	**PUBLIC SEWERS (KS 1966-2:2007)**
Temperature	°C			±3 ambient temp.	35
pH	pH Scale	APHA 4500-H^+ B	7.97	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	487.8	2500	-
COD	**mgO_2 L^{-1}**	**APHA 5220 C**	**47**	**60**	**1000**
Turbidity	**NTU**	**APHA 2130 B**	**18**	**30**	**300**
Total Suspended Solids	**mg L^{-1}**	**APHA 2540 D**	**27**	**100**	**250**
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	243.9	1200	2000
Nitrites	$mgNO_2^-$N L^{-1}	APHA 4500-NO_2^- B	-	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	0.6	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.1	5	10
Lead	mg Pb L^{-1}	AAS	Not detected	0.01	-
Chromium	mg Cr L^{-1}	AAS	Not detected	0.5	-
Zinc	mg Zn L^{-1}	AAS	0.002	3.0	-
Cadmium	mg Cd L^{-1}	AAS	Not detected	0.003	-
Copper	mg Cu L^{-1}	ASS	0.1	2.0	-

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments:, The sample performed as shown. Based on the analyzed parameters, the sample has met Kebs discharge standards for discharge into the environment. Treatment was achieved with a combination of 8.2 kg/1000L PAC and 300g/1000L PAM coagulants

.....
Laboratory Analyst

.....
Water Quality and Pollution Control Officer

Issued by:
Basin Area Coordinator

WATER RESOURCES AUTHORITY
LVSBA REGIONAL OFFICE
LAKE VICTORIA SOUTH BASIN AREA
P. O. Box 666 - 40100, KISUMU
TEL: 057 2025493

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 4

FORM F/9/1/5

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
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Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

Report Issue Date:	12/6/2025	**Sample No:**	0468/24-25	**Year:**	2025
Name of Customer:	Keda Ceramics International Company Ltd	**Date Received:**	30/5/2025		
Address:	P.O Box 3067-40100, Kisumu	**Date of Sampling:**	30/5/2025		
Telephone Number:	-	**Type of Sample:**	Wastewater		
Sample submitted by:	Keda Ceramics International Company Ltd	**Source of sample:**	Raw material discharge – Treated samples (Plant)		
Purpose of sampling:	Water Quality Assessment	**Received by:**	Otieno		

PARAMETERS	**UNIT**	**ANALYTICAL METHOD**	**RESULTS**	**EFFLUENT DISCHARGE STANDARDS (MAX.)**	
				ENVIRONMENT (KS 1966-2:2007)	**PUBLIC SEWERS (KS 1966-2:2007)**
Temperature	°C			±3 ambient temp.	35
pH	pH Scale	APHA 4500-H^+ B	7.26	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	675.8	2500	-
COD	**mgO_2 L^{-1}**	**APHA 5220 C**	**56**	**60**	**1000**
Turbidity	**NTU**	**APHA 2130 B**	**21**	**30**	**300**
Total Suspended Solids	**mg L^{-1}**	**APHA 2540 D**	**25**	**100**	**250**
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	337.6	1200	2000
Nitrites	$mgNO_2^-$N L^{-1}	APHA 4500-NO_2^- B	-	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	0.6	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.1	5	10
Lead	mg Pb L^{-1}	AAS	0.001	0.01	-
Chromium	mg Cr L^{-1}	AAS	Not detected	0.5	-
Zinc	mg Zn L^{-1}	AAS	0.007	3.0	-
Cadmium	mg Cd L^{-1}	AAS	Not detected	0.003	-
Copper	mg Cu L^{-1}	ASS	0.1	2.0	-

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments:, The sample performed as shown. Based on the analyzed parameters, the sample has met Kebs discharge standards for discharge into the environment. Treatment was achieved with a combination of 8.2 kg/1000L PAC and 600g/1000L PAM coagulants

.....
Laboratory Analyst

.....
Water Quality and Pollution Control Officer

Issued by:
Basin Area Coordinator

WATER RESOURCES AUTHORITY
LAKE VICTORIA SOUTH BASIN AREA
P. O. Box 666 - 40100, KISUMU
TEL: 057 2025493

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 4

FORM F/9/1/5

WATER RESOURCES AUTHORITY

Water Resources Authority
LVSBA Regional Office
P.O. Box 666 - 40100, Kisumu
Tel:057072025493
Email: kisumuro@gmail.com

Kisumu Water Quality Laboratory
P.O. Box 666-40100,Kisumu
Tel: 057072025493
Email: kisumuro@gmail.com

Wastewater Laboratory Results Certificate

Report Issue Date:	27/5/2025	**Sample No:**	0450/24-25	**Year:**	2025
Name of Customer:	Keda Ceramics International Company Ltd	**Date Received:**	20/5/2025		
Address:	P.O Box 3067-40100, Kisumu	**Date of Sampling:**	20/5/2025		
Telephone Number:	-	**Type of Sample:**	Wastewater		
Sample submitted by:	Keda Ceramics International Company Ltd	**Source of sample:**	WWTP Outlet Effluent		
Purpose of sampling:	Water Quality Assessment	**Received by:**	Atieno		

PARAMETERS	UNIT	ANALYTICAL METHOD	RESULTS	EFFLUENT DISCHARGE STANDARDS (MAX.)	
				ENVIRONMENT (KS 1966-2:2007)	PUBLIC SEWERS (KS 1966-2:2007)
Temperature	°C			±3 ambient temp.	35
pH	pH Scale	APHA 4500-H^+ B	7.2	6.0-9.0	6-9
Conductivity	µS cm^{-1}	APHA 2510 B	1634	-	-
BOD_5 (20 °C)	mgO_2 L^{-1}	APHA 5210 D	**26**	30	500
COD	mgO_2 L^{-1}	APHA 5220 C	**46**	60	1000
Turbidity	NTU	APHA 2130 B	**24**	30	300
Total Suspended Solids	mg L^{-1}	APHA 2540 D	31	100	250
Total Dissolved Solids	mg L^{-1}	APHA 2510 A	817	1200	2000
Nitrites	$mgNO_2^-N$ L^{-1}	APHA 4500-NO_2^- B	0.12	1	2
Nitrates	$mgNO_3^-$ L^{-1}	APHA 4500-NO_3^-D	1.2	50	200
Total phosphorous	mg P L^{-1}	APHA 4500-P E	0.1	5	10
Lead	mg Pb L^{-1}	AAS	0.005	0.01	-
Chromium	mg Cr L^{-1}	AAS	Not detected	0.5	-
Zinc	mg Zn L^{-1}	AAS	0.3	3.0	-
Cadmium	mg Cd L^{-1}	AAS	Not detected	0.003	-
Copper	mg Cu L^{-1}	ASS	0.84	2.0	-

APHA: American Public Health Association (2005) – Standard methods for the examination of water & wastewater

Comments: The sample performed as shown. Based on the analyzed parameters, the wastewater has met the effluent standards for discharge into the environment.

.....
Laboratory Analyst

.....
Water Quality and Pollution Control Officer

Issued by: .....
Basin Area Coordinator

WATER RESOURCES AUTHORITY
LAKE VICTORIA SOUTH BASIN AREA
P.O. Box 666 - 40100, KISUMU
TEL: 057 2025493

The results contained herein apply to the particular sample(s) tested, whose sample number and tests carried out are as detailed in these results. The information contained here reflects the laboratory's findings at the time of analysis and based on the samples submitted by the client.

ANNEX 5

Form B

Serial No: .....

nema

mazingira yetu | uhai wetu | wajibu wetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)

THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT

EFFLUENT DISCHARGE LICENSE

License No.: NEMA/WQ/EDL/19488

Application Reference No.: NEMA/WQ/EDR/6283

OFFICIAL USE:

This is to certify that the application for discharge to aquatic environment received from (name of applicant) Keda Ceramics International Company limited.600M South of C34 Road,Miwani

Keda ceramics international Company limited of Area,Muhoroni S

(address) to the National Environmental Authority in accordance with the Environmental Management and Co-ordination (Water Quality) Regulations, 2006 for

Anaerobic Baffle Reacter (ABR)

(facility) located at **600M South of C34 Road,Miwani Area,Muhoroni S...** (locality and district) to

discharge effluent to **River Oruba** has been evaluated and a

license is hereby issued for discharge, subject to attached conditions.

Expiry date 12/31/2025

Dated : 3/24/2025

Signature

(Seal)

Director-General

The National Environment Management Authority

Cancel

P.T.O.

ISO 9001 BUREAU VERITAS Certification

ISO 9001: 2015 Certified

EFFLUENT DISCHARGE LICENSING CONDITIONS

1. General Conditions

1.1. This licence is valid for a period of **12 MONTHS** from the date hereof.

1.2. The owner/operator is licensed to discharge effluent from the wastewater treatment plant (**Anaerobic Baffle Reactor (ABR)) marked** on the site layout plan attached to the licence Application.

1.3. Without prejudice to the other conditions of this licence, the owner/operator shall implement and maintain an environmental management system, organizational structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of this licence.

1.4. The Authority shall reserve the right to cancel, withdraw or vary this licence in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Co-ordination Act, 1999 and regulations thereunder.

1.5. The owner/operator shall submit application for renewal of this licence accompanied by acknowledgement letter of submission of an annual environmental audit for the previous year.

1.6. The owner/operator shall display a copy of the effluent discharge licence at the facility offices at all times.

1.7. This licence shall not be taken as statutory defence against charges of pollution in respect of any manner of pollution not specified herein.

2. Operational Conditions

2.1. The owner/operator shall ensure that all raw wastewater is directed into the wastewater treatment plant before discharge into the environment.

2.2. The owner/operator shall ensure that the kitchen wastewater passes through effective grease traps before discharge into the wastewater treatment plant.

2.3. The owner/operator shall ensure that clean un-contaminated roof or surface water is excluded from the wastewater treatment plant.

2.4. The owner/operator shall ensure that there is sufficient access to allow de-sludging operations.

2.5. The owner/operator shall ensure that the wastewater treatment plant is regularly de-sludged and serviced to ensure effective operation of the system.

2.6. The owner/operator shall ensure the wastewater treatment plant is operated and maintained as per the operational and maintenance procedures.

2.7. The owner/operator shall ensure that the sludge or any other waste generated is transported by NEMA licensed waste transporters.

2.8. The owner/operator shall manage sludge and any other waste generated in accordance with Environmental Management and Co-ordination (Waste Management) Regulations, 2006.

2.9. The owner/operator shall manage the facility strictly in accordance with the Environmental Management Plan (EMP) developed in the Environment Impact Assessment (EIA) or Environmental Audit (EA) in accordance with Legal Notice No. 101 of 2003

2.10. The owner/operator shall ensure that operational records including exhaustion records for wastewater treatment plant are kept for two years and availed for inspection by the Authority at reasonable hours.

COUNTY DIRECTOR OF ENVIRONMENT * KISUMU
NEMA KISUMU
24 MAR 2025
NYANZA REGIONAL
P.O. BOX 1779-40103

2.11. The owner/operator shall ensure that treated wastewater for irrigation of hotel lawns shall not exceed 200 coliform group of bacteria per 100ml as set out in the Eighth Schedule of the Environmental Management and Co-ordination (Water Quality) Regulations, 2006.

3. Monitoring Conditions

3.1 The owner/operator shall ensure that sampling points are appropriately marked (NEMA sampling points) and maintained as indicated on the site layout plan attached to the licence application.

3.2 The owner/operator shall ensure that the effluent discharge shall not contain more than the limits specified in the Third Schedule and monitored as guided by the Fourth Schedule of Environmental Management and Co-ordination (Water Quality) Regulations 2006.

3.3 The owner/operator shall ensure tests and analysis of at least the following effluent parameters: E-coli, Total Coliforms, Biological Oxygen Demand (BOD_5), pH, Temperature, Colour, Total Suspended Solids, Nitrogen, Total Phosphorous, Ammonia (as N), Organic Nitrogen as N, Surfactants, grease and oil *are carried out* **Quarterly** (three-monthly**) basis** *from NEMA designated laboratories.*

3.4 The owner/operator shall submit records of effluent quality and flow on a **Quarterly** (three-monthly**) basis** to the Authority in the prescribed format (Sixth Schedule) and as guided by condition **3.3 above.**

3.5 The owner/operator shall give access to Environmental Inspectors from the Authority upon identification, even without prior notice, and provide information, reports, records and data during inspection.

3.6 The owner/operator shall develop a pollution incident response plan covering the wastewater treatment plant and allied infrastructure.

3.7 The owner/operator shall develop and implement a routine inspection plan for the wastewater treatment plant and allied infrastructure.

3.6 The owner/operator shall keep record of environmental pollution related complaints and action taken thereof.

4 Notifications

4.1. The owner/operator shall seek written approval from the Authority of any operational changes under this licence.

4.2. The owner/operator shall notify the Authority of any proposed cancellation or variation of the licence.

4.3. The owner/operator shall notify the Authority three (3) months in advance prior to decommissioning of the wastewater treatment plant.

4.4. The owner/operator shall report all pollution incidents arising from the effluent treatment facility and allied infrastructure to the Authority through the incident hotline **020 6006041, 0786101100, email: - incidence@nema.go.ke** or NEMA local office within **6 hours.**

4.5. The owner/operator shall inform the Authority the mitigation measures put in place within **18 hours** and submit the same in writing within **24 hours.**

5. Decommissioning Conditions

5.1. The owner/operator shall submit a decommissioning plan at least three (3) months prior to decommissioning for approval by the Authority.

5.2. The owner/operator shall decommission the wastewater treatment plant according to the decommissioning plan approved by the Authority.

COUNTY DIRECTOR OF ENVIRONMENT NEMA KISUMU 24 MAR 2025 P.O. BOX 1579 40103, KISUMU

ANNEX 6

nema

mazingira yetu | uhai wetu | wajibu wetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Office of the County Director of Environment, Kisumu

Nyanza Regional Headquarters,
Block C, 14th Floor.

P. O. Box 4279-40103, Kisumu.
Tel +254 722 154 665
Email: cdekisumu@nema.go.ke

REF: NEMA/KSM/EA/5/2/1201(2025) **25TH MARCH, 2025**

KEDA CERAMICS INTERNATIONAL COMPANY LIMITED
(DECENTRALIZED WASTE WATER TREATMENT SYSTEM
INTERGRATED ANAEROBIC BAFFLED REACTOR)
P.O BOX 6780-00300
NAIROBI

RE: ACKNOWLEDGEMENT OF INITIAL ENVIRONMENTAL AUDIT (EA) REPORT FOR KEDA CERAMICS INTERNATIONAL COMPANY, KISUMU COUNTY.

The National Environment Management Authority – Kisumu County (NEMA-KSM) acknowledges receipt of one (2) copy of your Environmental Audit (EA) Initial Report and a soft copy CD, prepared by **DAYTON CONSULTANTS REG NO.6504** (EIA Lead/Audit Expert/Firm of Experts).

The Reference Number for the EA Report is **NEMA/KSM/EA/5/2/1201(2025) Please Quote Our Reference Number for Any Future Correspondence.**

The report will be reviewed in accordance with the Environmental Impact Assessment and Audit Regulations 2003 and NEMA will communicate its assessment/findings to you in due course.

NEMA KISUMU
25 MAR 2025
NYANZA REGIONAL
BLOCK C 14TH FLOOR
P.O. BOX 4279 - 40103 KISUMU
COUNTY DIRECTOR OF ENVIRONMENT

MOSES OMBOGO
FOR: COUNTY DIRECTOR OF ENVIRONMENT
KISUMU.

Form 1

Serial No:.....

nema
mazingira yetu | uhai wetu | wajibu wetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY (NEMA)

THE ENVIRONMENTAL MANAGEMENT AND CO-ORDINATION ACT

EFFLUENT DISCHARGE LICENSE

License No. NEMA/WQ/EDR/19488

Application Reference No. NEMA/WQ/EDR/6283

OFFICIAL USE:

This is to certify that the application for discharge to aquatic environment received from (name of applicant) Keda Ceramics International Company Limited.600M South of C34 Road,Miwani (Area)Muhoroni S. (address) to the National Environmental Authority in accordance with the Environmental Management and Co-ordination (Water Quality) Regulations 2006 for Anaerobic Baffle Reactor(ABR) (facility) located at 600M South of C34 Road,Miwani Area,Muhoroni S. (locality and district) to discharge effluent to River Oruba has been evaluated and a license is hereby issued for discharge subject to attached conditions.

Expiry date 12/31/2026

Dated : 3/24/2025

Signature

(Seal)

Director-General

The National Environment Management Authority

Cancel

P.T.O.

ISO 9001:2015 Certified

CamScanner

ANNEX 6

nema
mazingira yetu | uhai wetu | wajibu wetu

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Office of the County Director of Environment, Kisumu

Nyanza Regional Headquarters,
Block C, 14th Floor.

P. O. Box 4279-40103, Kisumu.
Tel +254 722 154 665
Email: cdekisumu@nema.go.ke

REF: NEMA/KSM/R&T/VOL11/73

Date: 11th August, 2025

The Clerk of the Assembly,

County Assembly of Kisumu

P.O. Box 86-40100 Kisumu

RE: RESPONSE ON EFFLUENT DISCHARGE AND WASTE TRANSPORT LICENSES FOR KEDA CERAMICS INTERNATIONAL COMPANY LIMITED

National Environment Management Authority (Kisumu County Office) acknowledges the receipt of your letter referenced 'CAK/ADM/WENARCC/07/2025 VOL.1' and dated 29th July, 2025 on the invitation to attend committee meeting regarding Effluent Discharge License and License to Transport waste issued by the Authority to KEDA Ceramics International Company Limited.

KEDA Ceramics International Co. Ltd conducted environmental impact assessment and was licensed by NEMA prior to the construction of the ceramic manufacturing plant upon reviews and cross checking with lead agencies such as Departments of Physical Planning, Water Resources Authority, Water, Environment & Natural Resources, Public Health, Trade, DOSH among others.

During the routine environmental inspection at KEDA Ceramics, Environment Inspectors from the Authority observed that waste water for the septic tank was overflowing into an adjacent plot thereby causing pollution of land, water and a potential public health hazard. The inspectors served the facility with an improvement order stopping any further discharge of untreated effluent from the factory and to construct effluent treatment plant for all domestic liquid waste in the year 2023.

The company constructed Anaerobic Baffle Reacter (ABR) with a design capacity of 20,000m^3 daily water flow (DWF) in the year 2024. The company applied for effluent discharge license on 10th February, 2025 with a reference number NEMA/WQ/EDR/6283 for domestic liquid waste (waste from the bathrooms, kitchen and general cleaning). The application was accompanied with Waste Water Laboratory Results Certificate from Water Resources Authority (WRA)- *copies attached*. From the effluent analysis certificate issued by WRA, the sample met the standards (KS 1966-2:2007) to discharge into the Environment. NEMA issued the license No. NEMA/WQ/EDL/19488 to discharge treated effluent to River Oruba on 24th March, 2025. The license was issued in accordance with Environmental Management and Coordination (Water Quality) Regulations, 2006. The license was issued with a condition to undertake and submit quarterly effluent analysis (after every three months) from a NEMA designated laboratory with key focus on the following effluent parameters: E-coli, Total Coliforms, Biological Oxygen Demand (BOD), pH, Temperature, Colour, Total Suspended Solids, Nitrogen, Total Phosphorous, Ammonia, Organic Nitrogen, grease and oil.

KEDA ceramics International Co. Ltd made application No. NEMA/WM/TA/16212 on 19th July, 2024 for a Vehicle registered as KDK 196L HOWO TRUCK (Exhauster) for Waste Transport License- to transport sewage and fecal sludge to KIWASCO sewage treatment plant- Nyalenda Lagoons. Upon verification of attached documents review was done and license no. NEMA/WM/LTW/10212 was issued on 9th September, 2024 in accordance with Environmental Management and Coordination (Waste Management) Regulations, 2006.

Thank you,

LEONARD OFULA

COUNTY DIRECTOR OF ENVIRONMENT

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

KISUMU

ANNEX 6

COUNTY GOVERNMENT OF KISUMU

MUHORONI

P.O. Box 2738-40100, Kisumu
Email: revenueboard@kisumu.go.ke

Tulipe Ushuru Tujenge Kisumu Harbour of prosperity

Single Business Permit

FOR THE YEAR 2025

COUNTY GOVERNMENT OF KISUMU GRANTS THIS BUSINESS PERMIT TO

Business Name KEDA CERAMICS INTERNATIONAL COMPANY LTD	Certificate of Incoorporation/ Owner's ID No. PVT-BEUR5GB	Business ID 1009272
Owner KEDA CERAMICS INTERNATIONAL COMPANY LTD		
KRA Pin: P051935584A	Phone Number: 0702150710	

Business Category: INDUSTRIAL PLANTS, FACTORIES, WORKSHOPS CONTACTORS	Brims Code
Business Sub Category Large industrial, manufacture, factory plant over 31 employees or premises over 2,500 square feet.	
Activity Description CERAMICS PLANT.	

Amount Paid	KES 200,000
Amount in words *** two lakh ***	

P.O. Box :		Plot No. : 1590/11/14
Road Street : MIWANI		
Building : KEDA CERAMICS	Floor : GROUND FLOOR	Door/Stall No. : 1

Licensing officer: Opar Job Onunga Effective from: 1 Jan 2025	By order of
Expiry Date: 31 Dec 2025	The signature

Permit No.:

COUNTY GOVERNMENT OF KISUMU

CF 14479 ANNEx 6

REPUBLIC OF KENYA

THE LAND REGISTRATION ACT

(*No. 3 of 2012, Section 108*)

THE LAND ACT

(*No. 6 of 2012*)

THE REGISTRATION OF TITLES ACT (*Cap. 281*) (*Repealed*)

THE GOVERNMENT LANDS ACT (*Cap. 280*) (*Repealed*)

THE LAND TITLES ACT (*Cap. 282*) (*Repealed*)

CERTIFICATE OF TITLE

Title No. IR.237861 Term 99 Years From: 01-02-2021

Annual Rent Kenya Shillings: FIVE HUNDRED AND FORTY FOUR THOUSAND ONLY (KSHS.544,000.00)

I hereby certify that CHARLES ONYANGO ODIDA (POST OFFICE BOX NUMBER 2230-00100 NAIROBI) in the Republic of Kenya, pursuant to a Lease are now the registered proprietor(s) as lessee(s) from the Government of the Republic of Kenya for the term of 99 years from the 1st day of February, Two Thousand and Twenty One

ALL that piece of land situate in the KISUMU MUNICIPALITY IN KISUMU DISTRICT containing by measurement TWO NOUGHT DECIMAL NOUGHT EIGHT HECTARES (20.08 HA) (less road reserve of NIL Ha/Ac) or thereabouts and being land Reference Number 1590/14 (original Number 1590/12) as delineated on Land Survey Plan Number 449093 annexed hereto SUBJECT however to the revisable annual rent of shillings FIVE HUNDRED AND FORTY FOUR THOUSAND ONLY (KSHS.544,000.00) and to the Act(s) special conditions, Encumbrances and other matters specified in the Memorandum hereunder written.

ANNEX 6

KIWASCO

FAECAL SLUDGE DISPOSAL PERMIT APPLICATION

1. APPLICANT'S DETAILS

Applicant's Name: KEDA CERAMICS INTERNATIONAL CO. LTD.

Company Name: KEDA CERAMICS INTERNATIONAL CO. LTD

Physical Address: MIWANI PIN No P051935584A

V.A.T No. P051935584A

Telephone No. 0110642566

Email: KEDACERAMICINTL@GMAIL.COM Vehicle Description: TRUCK-exhaust

Vehicle Reg. No. KDK196 Type: HOWO Capacity: 8000L

Applicant's Signature: [signature]

2. FOR OFFICIAL USE

a) **Sanitation Development Officer: Approved | Not Approved** (Approved)

Comment (If not approved)

Name: Joel Obunga Sign: [signature] Date: 08/04/2024

b) **Waste Water Operations Manager: Approved | Not Approved**

Comment (If not approved)

Approved

Name: Celine Omolo Sign: [signature] Date: 19/04/2024

c) **Head of Commercial Services**

OK

Name: Eldah Odongo Sign: [signature] Date: 22/4/24

d) **Managing Director**

O.K

Name: Thomas Odongo Sign: [signature] Date: 23/4/24

ANNEX 6

REPUBLIC OF KENYA

DISTRICT OF [illegible]

Locality [illegible]

Reference Map [illegible]

Land Reference No. [illegible]

(Orig No 1690/12)

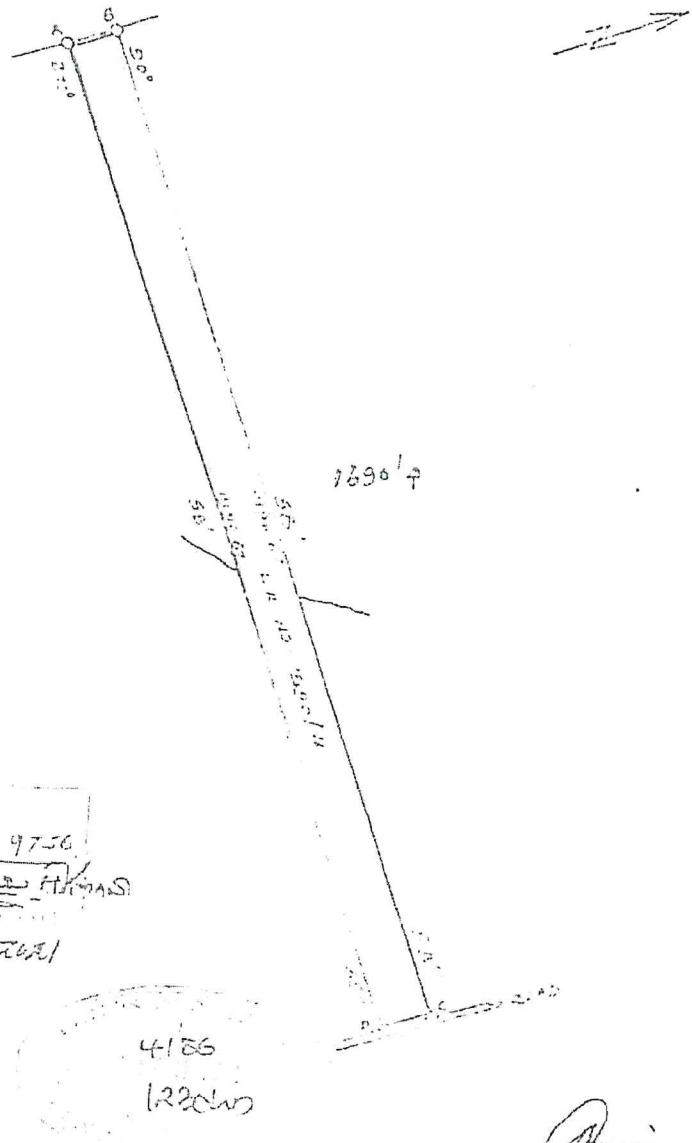
Sub division No. (Orig No.

of section No.

Area=20.08 Ha (approx)

Bearings				Distance Metres
A-B	[illegible]	[illegible]	[illegible]	[illegible]
C-D	180	SB	SB	180.59

397561



21/11 9756

2nd Nov. 2021

4186

12/2/2021

[illegible]

Licensed Land Surveyor

F.R. No [illegible]

COURTS NO [illegible]

for Director of Survey

Nairobi 26th March, 2021

DEED PLAN No 449[illegible]

ANNEX 6

Title No. IR.226911 ..... Term: 99 ..... Years. From: 01/01/2021

Annual Rent Kenya Shillings: two million only (2000000) (Revisable)

I hereby certify that CHARLES ONYANGO ODIDA (POST OFFICE BOX NUMBER 2230-00100, NAIROBI)

in the Republic of Kenya, pursuant to a Lease ..... are now registered proprietor(s) as lessee(s) from the Government of the Republic of Kenya for the term of ninety nine ..... years from the 1st day of January two thousand and Twenty One

ALL that piece of land situate in the Kisumu Municipality in Kisumu District

containing by measurement three nine decimal six Nought Hectares (39.60 Hectares)

(less road reserve of -Nil- ..... Ha Ac) or thereabouts and being land Reference Number 1590/11 ..... (original Number 1590/4/2 .....) as delineated on Land Survey Plan Number 448057 ..... annexed hereto

Serial No: 3142

ANNEX 6

Original/File Copy/Triplicate

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Physical/Postal/Tel/Mobile/email contacts:----------

ENVIRONMENTAL INSPECTORS INTEGRATED TOOL (EIIT)

IMPROVEMENT NOTICE (EMCA 117.3.g)/LICENCE/PERMIT CONDITIONS OR EMP COMPLIANCE MONITORING

1. Type of Operation:

(a) Type of operation/activity/business: Ceramic Industry

(b) EMCA license type/number/date (delete as applicable): Type: **i.** EIA license conditions **ii.** Monitoring EIA EMP **iii.** EDL conditions **iv.** EA monitoring of EMP **v.** Waste license conditions **vi.** ABS permit license conditions **vii.** Controlled substances permit/license conditions **viii.** Plastic clearance conditions **ix.** Emission License (EL) **x.** Other (s) (specify)(to include unlicensed activities):

Serial Number: GTP License Date Issued: — Issuing Authority (may include license issued by lead agencies): .....

Others/Unlicensed/non-referenced: —

2. Proponent Details/ Representative/Location

(a) Company/Business Name: KEDA Ceramic Industry

(b) Proponent/Representative Name: Norman Fredrick Mwasama

(c) Address: P.O. Box: 3076 City/Town: Kisumu

County: Kisumu Email: norman@tryfortile.com

Business Telephone: 0700505576 Personal Cellphone: —

(d) Physical Location: GPS co-ordinates: Latitude: -0.062888 Longitude: 35.001192

3. Environmental Inspection Report:

The undersigned Environmental Inspector in presence of the Proponent/Proponent Representative, while exercising their powers under Section 117 of EMCA CAP 387, made the following non-compliance observations at 1303 hours (*time*) on 15/6/24 (*date*) while inspecting your: *activity/land/premises/vessel/motor vehicle/ox-drawn trailer/establishment/undertaking* (delete as applicable):

Observation 1: Effluent Treatment plant construction was ongoing. The construction was at

Observation 2: about 95% completion

Observation 3: .....

Observation 4: .....

Serial No: 3142 Original/File Copy/Triplicate

4. Improvement Notice:
Your attention is, therefore, drawn to the following provisions and requirements of the (EMCA), Cap 387:

Under EMCA Section 117.3.g. an Improvement Notice is hereby issued requiring you to cease activities until such time as compliance with the terms and conditions as described below.

5. Improvement Terms and Conditions:
As per observations above (a) You are hereby directed under EMCA 117 to (b) cease specified activity (c) undertake *remedial action prescribed to reduce the harm to environment and (d) within time specified, not more than 30 days from issue:*

Observation (as above) (a)	Cease Activity (b)	Remedial Action (c)	By Date (d)
1		Complete and commission the ETP	2 weeks
2		Notify the Authority on the stage reached	2 weeks
3		Adhere to the ETP License condition.	Immediately
4			

EMCA, Section 137 provides that ANY PERSON who fails, neglects or refuses to carry out an Order or Requirment issued under this Act by an Environmental Inspector, commits an offence and shall, on conviction be liable to imprisonment for a term of not less than 1 year but not more than four years, or to a fine of not less than two million but not more than four million or to both such fine and imprisonment.

Signed/Date (Inspector): 15/6/24
Name: L. O Fula
Id number: 91252444
0724090855

Signed/Date (Proponent/Proponent Representative): 15/06/24
Name: Noman K. Kwazima
Id number: 23577566

Key
ABS-Access and Benefit Sharing
EA-Environmental Audit
EIA-Environnemental Impact Assessment
EL-Emission License
EMP-Environmental Management Plan

19529

Serial No: ..... Original/File Copy/Triplicate

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY Kisumu
Physical/Postal/Tel/Mobile/email contacts:----------

ENVIRONMENTAL INSPECTORS INTEGRATED TOOL (EIIT)

IMPROVEMENT NOTICE (EMCA 117.3.g)/LICENCE/PERMIT CONDITIONS OR EMP COMPLIANCE MONITORING

ANNEX 6

1. Type of Operation:

(a) Type of operation/activity/business:

Ceramic tile Production.

(b) EMCA license type/number/date (delete as applicable): Type: **i.** EIA license conditions **ii.** Monitoring EIA EMP **iii.** EDL conditions **iv.** EA monitoring of EMP **v.** Waste license conditions **vi.** ABS permit license conditions **vii.** Controlled substances permit/license conditions **viii.** Plastic clearance conditions . Emission License (EL) **x.** Other (s) (specify)(to include unlicensed activities):

Serial Number: 19529. Date Issued: 17.11.23 Issuing Authority (may include license issued by lead agencies): .....

Others/Unlicensed/non-referenced N/A

2. Proponent Details/ Representative/Location

(a) Company/Business Name:

KEDA CERAMICS INTERNATIONAL

(b) Proponent/Representative Name:

CYNTHIA BONNET.

(c) Address: P.O. Box: 3067 City/Town: 40100

County: Kisumu Email: .....

Business Telephone: ..... Personal Cellphone: 0111460412

(d) Physical Location: GPS co-ordinates: Latitude: -0.12358 Longitude: 34.74949

3. Environmental Inspection Report:

The undersigned Environmental Inspector in presence of the Proponent/Proponent Representative, while exercising their powers under Section 117 of EMCA CAP 387, made the following non-compliance observations at 1214 hours (*time*) on 17.11.23 (*date*) while inspecting your: *activity/land/premises/vessel/motor vehicle/ox-drawn trailer/establishment/undertaking* (delete as applicable):

Observation 1: You are discharging waste water from the workers quarters directly into the River contrary to the

Observation 2: Provisions of the water quality Regulation 2007.

Observation 3:

Observation 4: (2) You are Undertaking construction of an office block without an environmental Impact Assessment license contrary to the Provisions of EIA/EA Regulation 2003 & EMCA Cap 387.

4. Improvement Notice:

Your attention is, therefore, drawn to the following provisions and requirements of the (EMCA), Cap 387:

Under EMCA Section 117.3.g. an Improvement Notice is hereby issued requiring you to cease activities until such time as compliance with the terms and conditions as described below.

5. Improvement Terms and Conditions:

As per observations above (a) You are hereby directed under EMCA 117 to (b) cease specified activity (c) undertake *remedial action prescribed to reduce the harm to environment and (d) within time specified, not more than 30 days from issue:*

Observation (as above)	Cease Activity (b)	Remedial Action (c)	By Date (d)
1	Waters Discharge.	You are hereby required to seize the Immediate discharge of waste waters into the River.	17:11:23 12:16pm.
2		This has been occasioned by the deliberate bypassing of waste waters from the bathrooms to the	
3		constructed septic tanks.	
4 (2)	Office block EIA	Undertake an environmental impact Assessment project Report and submit the same to the Authority within 7 days of this notice	18:11:23

EMCA, Section 137 provides that ANY PERSON who fails, neglects or refuses to carry out an Order or Requirment issued under this Act by an Environmental Inspector, commits an offence and shall, on conviction be liable to imprisonment for a term of not less than 1 year but not more than four years, or to a fine of not less than two million but not more than four million or to both such fine and imprisonment.

Signed/Date (Inspector): 17:11:23

Name: JESSICAH KAHURA

Id number: 25271078

Signed/Date (Proponent/Proponent Representative):

Name: Cynthia Boinett

Id number: 23542461

Key

ABS-Access and Benefit Sharing
EA-Environmental Audit
EIA-Environnemental Impact Assessment
EL-Emission License
EMP-Environmental Management Plan

ANNEX 6

Serial No: 4201

Original/File Copy/Triplicate

NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY

Physical/postal/Tel/mobile/email contacts: NEMA KISUMU OFFICE

ENVIRONMENTAL RESTORATION ORDER (EMCA 108.1)

1. Type of Operation:

(a) Type of operation/activity/business:
CERAMICS INDUSTRY

(b) EMCA license type/number/date (delete as applicable): Type: **i.** EIA license conditions **ii.** Monitoring EIA EMP **iii.** EDL conditions **iv.** EA monitoring of EMP **v.** Waste license conditions **vi.** ABS permit conditions **vii.** Controlled Substances permit/license conditions **viii.** Plastic clearance conditions **ix.** Emission License **x.** Other (s) (specify)(to include unlicensed activities):

Serial Number: 4201 Date Issued: 14/5/2024 Issuing Authority (may include license issued by lead agencies):

Others/Unlicensed/Non-Referenced: NONE

2. Proponent Details/ Representative/Location

(a) Company/Business Name:
KEDA CERAMICS INTERNATIONAL CO. LTD.

(b) Proponent/Representative Name:
VICTOR ORINA

(c) Address: P.O. Box: 3067-40100 City/Town: KISUMU-MWANI
County: KISUMU Email:
Business Telephone: Personal Cellphone: 0700505576

(d) Physical Location: GPS co-ordinates: Latitude: 0.06943 Longitude: 34.99837

3. Environmental Inspection Report:

The undersigned Environmental Inspector in presence of the Proponent/Proponent Representative, while exercising their powers under Section 117 of EMCA CAP 387, made the following non-compliance observations at 4:29pm hours (*time*) on 14/5/2024 (*date*) while inspecting your: *activity/land/premises/vessel/motor vehicle/ox-drawn trailer/establishment/undertaking* (delete as applicable):

Observation 1: You are discharging untreated effluent from
Observation 2: the factory's residential houses through
Observation 3: perimeter wall into the adjacent plot which
Observation 4: flows into Drobo River hence causing pollution of water and contamination of soil.

Serial No: 4201

Original/File Copy/Triplicate

4. Environmental Restoration Order:

Your attention is, therefore, drawn to the following provisions and requirements of the (EMCA), Cap 387: Under EMCA Section 108.2 an Environmental Restoration Order is hereby issued requiring you to restore the environment as near to the state in which it was before, and under the terms and conditions as specified below.

5. Restoration Terms and Conditions:

As per observations above (a) You are hereby directed under EMCA 109 to (b) cease specified activity (c) undertake *remedial action prescribed to reduce the harm to environment and (d) within time specified, not more than 30 days from issue:*

Observation *(as above)(a)*	Cease Activity (b)	Remedial Action ©	By Date (d)
1 Effluent Discharge	1.	STOP any further discharge of untreated	14.5.2024
2		effluent from the factory's residential units	
3		into the environment with IMMEDIATE	
4	2.	effect. Decommission any pipe used to channel untreated effluent from the factory to the external environment/river within 24 hours.	15.5.2024

EMCA, Section 137 provides that ANY PERSON who fails, neglects or refuses to carry out an Order issued under this Act by an Environmental Inspector, commits an offence and shall, on conviction be liable to imprisonment for a term of not less than 1 year but not more than four years, or to a fine of not less than two million but not more than four million or to both such fine and imprisonment. Under EMCA Section 110.1. you have within 21 days, the right of appeal against this Order.

Signed/Date (Inspector):.....

Name: Moses Ombogo

Id number: NEMA/0462

14/5/2024

Signed/Date (Proponent/Proponent representative):.....

Name: VITOR ORINA

Id number: 24677326

14/5/2024

JESSICA H KAHURA

NEMA/0424

14/5/2024.

Key

ABS-Access and Benefit Sharing

EA-Environmental Audit

EIA-Environnemental Impact Assessment

EL-Emission License

EMP-Environmental Management Plan

3. Clean up the effluent flowing along your perimeter wall on the adjacent land and undertake its rehabilitation to near the original status within 2 days from this date.

17/5/2024

ANNEX 7

REPUBLIC OF KENYA

THE COUNTY GOVERNMENT OF KISUMU

Office of The County Executive Committee Member for Water, Environment, Climate Change & Natural Resources

REF: CGK/CECM/WECC&NR/005/VOL.111 (46) **Date: July 9, 2025**

The Clerk of the Assembly
County Assembly

Through the County Secretary

KISUMU COUNTY ASSEMBLY OFFICE OF THE CLERK 11 JUL 2025 RECEIVED P.O. BOX KISUMU

RE: RESPONSE TO THE REQUEST FOR INFORMATION ON ALLEGED ENVIRONMENTAL POLLUTION OF OROBA RIVER AND NYAKOKO STREAM BY KEDA CERAMICS IN MUHORONI SUB-COUNTY, KISUMU COUNTY

Reference to your request letter dated **July 1, 2025 Ref: CAK/ADM/WENARCC/06/2025** on the above subject matter.

Kindly find hereby attached comprehensive responses as follows:

1. Department response through NEMA assistance.
2. NEMA Acknowledgement of Initial Environment Audit
3. KEDA License to Transport Waste
4. Exhauster Services Tracking Form
5. Water Resources Authority Certificates

Yours faithfully,

COUNTY EXECUTIVE COMMITTEE MEMBER
WATER, ENVIRONMENT, CLIMATE CHANGE & NATURAL RESOURCES
COUNTY GOVERNMENT OF KISUMU

JUDITH OLUOCH
COUNTY EXECUTIVE COMMITTEE MEMBER
WATER, ENVIRONMENT, CLIMATE CHANGE AND NATURAL RESOURCES

Cc: The Speaker of the County Assembly of Kisumu
Chairperson Committee on Water, Environment, Climate Change and Natural Resources

ANNEX 7

REPUBLIC OF KENYA

THE COUNTY GOVERNMENT OF KISUMU

Office of The County Executive Committee Member for Water, Environment, Climate Change & Natural Resources

RESPONSE TO INQUIRY ON POLLUTION OF OROBA RIVER BY KEDA CERAMICS

It is worth noting that effluent discharge is a function that is not entirely a devolved function. Under the EMCA 1999, it is a mandate of National Environment Management Authority (NEMA) and Water Resources Authority (WRA). However, the County Government of Kisumu, Department of Water, Environment, Climate Change and Natural Resources is the first contact point of reporting and surveillance particularly at the Sub-County level.

The following responses (especially those that require compliance) have therefore been obtained through assistance from NEMA. The responses are as follows:

1. In regard to Weather the company has waste water treatment infrastructure in place to ensure that no harmful or untreated industrial waste reaches natural water bodies.

Yes, the company has put in place the necessary infrastructure, which was inspected by NEMA. The company has tanks where to waste water is contained awaiting transportation for discharge in the KWASCO lagoon. (License to transport waste attached)

2. As regards to: Weather the company conduct internal environmental audits or commission any third-party assessments relating to waste discharge. If so can those findings be made public

Yes, the company had an internal audit conducted on 25th March 2025 (Audit acknowledgement from NEMA attached.

3. As regards to: What specific environmental management measures has KEDA ceramics undertaken in response to confirmed water contamination in the area.

The company has had the effluent analyzed by WRA to ascertain that it meets the required standards and waste water treatment analysis report also from WRA.(Results attached)

4. As regards to the company's response to allegations that its activities pose a threat to public health farming, fishing, livelihoods and the long-standing cultural practices of the Kabar-Miwani Kibigori communities.

This response is one that requires direct response from the company's management and thus may not be exhaustively responded to by the enforcing authorities.

5. As regards to How s the company intends to engage with and compensate affected communities whose water access economic activities and environmental rights have been compromised by its operations.

Due to the financial implication of the response to this query, it would therefore require a direct response from the company's management.

ANNEX 8

P.O Box 86-40100, Kisumu
Email: kisumuassembly@gmail.com

Email: owenojuok@gmail.com
Web: www.kisumuassembly.go.ke

County Assembly of Kisumu

OFFICE OF THE CLERK

REF: CAK/ADM/WENARCC/01/2025. 17/07/025

KEDEA CEREMIC INTERNATIONAL,
P.O.BOX 3067-40100
KISUMU.

RE: NOTIFICATION OF INTENDED COMMITTEE VISIT TO KEDA CERAMIC FACILITY

The above matter refers,

The Kisumu County Assembly Committee on Water, Environment, Natural Resources and Climate Change hereby wishes to inform you of its intention to conduct an official visit to your facility on **Tuesday, 23rd July 2025 at 11:00 a.m.**

The purpose of the visit is to familiarize the Committee with your operations, particularly in relation to environmental compliance, water waste management, water use and conservation measures, and corporate social responsibility activities in the region.

We kindly request your cooperation in facilitating this visit and availing relevant personnel to engage with the Committee during the scheduled time.

Should there be any clarification or specific requirements needed on your end, please feel free to contact the Clerk of the Committee, (Benard Abuodha, Phone No.-0711326980) at your earliest convenience.

We look forward to your cooperation.

Yours faithfully,

ADV. OWEN OJUOK
CLERK OF THE ASSEMBLY

Cc: -The Speaker of the County Assembly of Kisumu
-Chairperson, Committee on Water, Environment, Natural Sources and Climate Change.

ADOPTION SCHEDULE FOR REPORT ON THE MATTER OF POLLUTION OF RIVER OROBA AND NYAKOKO STREAM BY KEDA CERAMIC IN MUHORONI SUB-COUNTY.

Approved by Members of the Committee on Water, Environment, Natural Resources and Climate Change.

No.	NAME	POSITIION	SIGNATURE
	Hon. Samuel Dede	Chairperson	
	Hon Mickey Ochieng	Vice Chairperson	
	Hon Maurice Ngeta	Member	
	Hon. Emilly Oginga	Member	
	Hon Habil Nyasuna	Member	
	Hon. Geofrey Warindu	Member	
	Hon. Pamela Oyoo	Member	
	Hon Peter Obaso	Member	
	Hon. Millicent Omuya	Member	