ZAMBIA ENVIRONMENTAL MANAGEMENT AGENCY

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All Correspondence to be addressed to The Director General

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In reply please quote

No:
ZEMA/EA/ESIS/LSK/EAC1/1186

November 6, 2026

The Managing Director
Lusaka Water Supply and Sanitation Company Limited,
Plot No 871/2, Katemo Road, Rhodes Park
P.O Box 50198,
LUSAKA

Dear Sir/Madam,

RE: DECISION LETTER IN RESPECT OF THE ENVIRONMENTAL AND SOCIAL IMPACT STATEMENT FOR THE PROPOSED WATER SUPPLY IMPROVEMENT PROJECT FOR PERI-URBAN AREAS OF LUSAKA CITY: GARDEN PARK WARD 10, LUSAKA DISTRICT, LUSAKA PROVINCE BY LUSAKA WATER SUPPLY AND SANITATION COMPANY LIMITED

Reference is made to the above captioned Environmental and Social Impact Statement ("ESIS") submitted to the Zambia Environmental Management Agency ("ZEMA") on **September 17, 2026** for consideration in accordance with the requirements of the Environmental Management Act CAP 204 of the Laws of Zambia as read together with the Environmental Management (Environmental Impact Assessment) Regulations Statutory Instrument No. 3 of 2026.

ZEMA has since reviewed the ESIS and based on the information provided by yourselves and taking into account written and verbal comments from interested and affected parties as well as our site verification inspection findings, the said ESIS has been **approved** with conditions.

You are advised to fully acquaint yourselves with the conditions herein and to ensure compliance thereof.

Yours faithfully,

Dr. Joel Kabika
Director General
ZAMBIA ENVIRONMENTAL MANAGEMENT AGENCY

Cc. The Town Clerk – Lusaka City Council, **LUSAKA**
The Council Secretary – Chilanga Town Council, **CHILANGA**
The Executive Director - National Construction Council, **LUSAKA**
The Chief Executive Office - Road Transport and Safety Agency, **LUSAKA**
The Chief Executive Office - Road Development Agency, **LUSAKA**
The Director General- Water Resources Management Authority, **LUSAKA**
The Director – Occupational Safety and Health, **LUSAKA**
The Director Legal Services – ZEMA, **LUSAKA.**

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1.0 PROJECT BACKGROUND

1.1 PROJECT TITLE:

Proposed Water Supply Improvement Project for Peri-Urban Areas of Lusaka City: Garden Park Ward 10, Lusaka District, Lusaka Province by Lusaka Water Supply and Sanitation Company Limited.

1.2 PROJECT PROPONENT:

Lusaka Water Supply and Sanitation Company Limited
23rd Avenue Nkana East,
Plot No 871/2, Katemo Road, Rhodes Park
P.O Box 50198,
LUSAKA

Contact Person's Details:

Name:	Eng. Jilly Chiyombwe
Designation:	Managing Director
Contact Number:	+260 979 705837
Email Address:	owenmicho@gmail.com

1.3 PROJECT LOCATION:

The Water Supply Improvement Project is located in Lusaka Province and traverses between two districts that is Lusaka and Chilanga District. The project will originate from groundwater sources (boreholes) located in Kalundu Area, Chilanga District, approximately 18 km west of the Lusaka Main Post Office and about 28.5 km northwest of the Chilanga Post Office.

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The spatial extent of the project includes the borehole sites in Chilanga District, the transmission pipeline corridor along Mumbwa Road, and the termination point in Garden Park, Lusaka District.

Coordinates:

Point	Latitude	Longitude
Source of Water (start point and location of boreholes)	15°24'23.1"S	28°09'07.7"E
Termination Point (elevated storage water tanks site)	15°23'50.8"S	28°13'16.3"E

1.4 DATE OF SUBMISSION BY PROPONENT:

September 17, 2026

1.5 DATE OF CONSIDERATION BY THE AGENCY:

October 5, 2026

2.0 TOTAL INVESTMENT COST/INVESTMENT:

3.0 DETAILS OF THE PROJECT:

The nature of the proposed Project is the development of groundwater-based water supply infrastructure aimed at improving access to safe and reliable potable water for residents of Garden Park Ward 10 and surrounding peri-urban areas of Lusaka city. The Project, to be implemented by Lusaka Water Supply and Sanitation Company with support from the Japan International Cooperation Agency (JICA), will involve the abstraction of groundwater from boreholes in the Kalundu area, temporary storage and pumping of raw water through transmission pipelines, and distribution through elevated storage tanks and a piped network to the target communities.

The Project comprises two main sites:

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i. Well field transmission pump station site (water source) this includes raw water receiving tank, pump house, and associated infrastructure.
ii. Garden Park distribution reservoir site (termination point) this includes elevated storage tanks, distribution pipelines, flow measurement facilities, and administrative buildings.

A. Well field transmission pump station and raw water storage facility (water source)

- Raw water receiving tank: A reinforced concrete ground-level tank (118.8 m^2) that receives water from boreholes before pumping;
- Transmission pumping station: Houses pumps, control panels, and electrical equipment, directly connected to the storage tank and transmission pipeline;
- Office building: Operational control and staff workspace;
- Guard house: Security control at entrance (approx. 16 m^2);
- Transmission pipelines: Underground pipelines connecting the well field to the distribution reservoir;
- Sanitation system: Underground septic tank;
- Parking: Area - Crushed stone paved surface; and,
- Perimeter infrastructure which will be 2.0 m high block wall with barbed wire and 4.0 m × 2.0 m electric sliding gate.

B. Garden Park distribution reservoir station (termination point)

- Elevated storage tanks: Two reinforced concrete tanks (1,000 m^3 each) providing gravity-based water distribution;
- Administration building: Staff offices and operational management space;
- Flowmeter room: Houses bulk flow measurement equipment (approx. 40 m^2);
- Main distribution pipeline: DN 400 pipeline distributing water to the network;
- Transmission pipeline: DN 350 pipeline conveying water from the pumping station to the reservoir.
- Drainage infrastructure: DN 150 rainwater drainage pipes with crushed stone permeation areas;
- Sanitation facilities: Septic and rock absorption tanks.
- Parking area; and,

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- Security infrastructure: 2.0 m high block wall with barbed wire, electric sliding gate, and guard house.

The Project will also include associated infrastructure such as pumping stations, guard houses, and ancillary works required for effective water supply operations. Construction activities will include the installation of submersible pumps, excavation and trenching for pipelines, concrete works for foundations and structures, and the installation of mechanical and electrical equipment.

4.0 DECISION BY THE AGENCY

4.1 The project is **approved** subject to the following conditions:

4.1.1 Lusaka Water Supply and Sanitation Company Limited shall **notify** the Zambia Environmental Management Agency (ZEMA) before the commencement of the project activities.

4.1.2 Lusaka Water Supply and Sanitation Company Limited shall implement the project and all the environmental management commitments as proposed in the Environmental and Social Impact Statement (ESIS) **with changes** as stipulated by the Zambia Environmental Management Agency (ZEMA) in the Decision Letter and any other conditions that may be issued thereafter.

4.1.3 The approval is for the Water Supply Improvement Project for Peri-Urban Areas of Lusaka City: Garden Park Ward 10, Lusaka District, Lusaka Province by Lusaka Water Supply and Sanitation Company Limited **only**. Therefore, Lusaka Water Supply and Sanitation Company Limited shall not conduct or carry out activities that are not part of the approved project and can impact negatively on the environment.

4.1.4 Lusaka Water Supply and Sanitation Company Limited shall obtain all relevant authorisations from Lusaka City Council and Road Development Agency **prior** to project implementation.

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4.1.5 Lusaka Water Supply and Sanitation Company Limited identify all project affected persons and ensure consents obtained or necessary compensations given in consultation with the relevant authorities.

4.1.6 Lusaka Water Supply and Sanitation Company Limited shall ensure that all affected parties are consulted and consent obtained before commencing the project.

4.1.7 Lusaka Water Supply and Sanitation Company Limited shall obtain all relevant authorisations for water abstraction from the Water Resources Management Authority **prior** project implementation.

4.1.8 Lusaka Water Supply and Sanitation Company Limited shall submit for approval a Resettlement Action Plan prepared in conjunction with Government Valuation Department and Resettlement Division for consideration for **ALL** project affected persons prior to project implementation.

4.1.9 Lusaka Water Supply and Sanitation Company Limited shall consult with and comply in full with the conditions and specifications of Lusaka City Council, Chilanga Town Council, Provincial Planning Authority, National Water Supply and Sanitation Council, Water Resources Management Authority, National Heritage and Conservation Commission and other relevant regulatory institutions, **prior** to project implementation.

4.1.10 All prospecting works shall be conducted in such a way that people's property, health and source of livelihood especially crop fields/ farms shall not be damaged, affected or lost. Where the health of people, property or source of livelihood is harmed, damaged or lost as a result of project activities, Lusaka Water Supply and Sanitation Company Limited shall be **liable** for payment of appropriate compensation and other forms of relief or replacement.

4.1.11 Lusaka Water Supply and Sanitation Company Limited shall put in place measures to ensure that surface water and ground water is prevented from pollution.

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4.1.12 All excavated sites and other areas to be affected as a result of project activities shall be rehabilitated appropriately.

4.1.13 All pipes, pieces of pipes and other materials to be generated as waste or unusable material from project works shall be collected, disinfected where necessary and disposed of appropriately.

4.1.14 During construction, appropriate waste collection and storage facilities shall be provided to ensure that there is segregation of the different forms of waste.

4.1.15 Lusaka Water Supply and Sanitation Company Limited shall ensure that all hazardous waste is disposed of appropriately. Disposal of waste shall be carried out by persons or companies that are licensed by the Zambia Environmental Management Agency.

4.1.16 The level of noise and vibrations from project activities in and around the project site shall be monitored frequently; appropriate measures shall be taken when noise and vibration levels approach harmful state.

4.1.17 Lusaka Water Supply and Sanitation Company Limited shall dispose of waste in accordance with the Environmental Management (Licensing) Regulation No. 112 of 2013.

4.1.18 Lusaka Water Supply and Sanitation Company Limited shall put in place an effective biodiversity action plan which shall incorporate planting of trees in the project area to compensate for the vegetation (trees) to be lost as a result of implementing the project.

4.1.19 Lusaka Water Supply and Sanitation Company Limited shall not be incinerating solid waste and other unwanted materials without an appropriate and written authorisation from ZEMA or other mandated authorities. Waste receptacles shall be provided and municipal and industrial waste shall be collected and disposed of at a licensed waste disposal site.

4.1.20 Levels of noise and vibrations from project activities shall be monitored; appropriate measures shall be put in place where noise and vibration levels approach harmful state.

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4.1.21 Lusaka Water Supply and Sanitation Company Limited shall employ dust suppression measures in all areas with potential to generate dust throughout the project cycle.

4.1.22 Lusaka Water Supply and Sanitation Company Limited shall ensure that all incidents with potential to pollute the environment and harm human beings are reported to ZEMA immediately.

4.1.23 Lusaka Water Supply and Sanitation Company Limited shall put in place effective measures or install and operate appropriate and effective facilities for monitoring, preventing and controlling pollution of air, land degradation, surface water pollution, groundwater pollution and soil contamination.

4.1.24 Lusaka Water Supply and Sanitation Company Limited shall not allow indiscriminate cutting down of trees or clearing of vegetation.

4.1.25 Lusaka Water Supply and Sanitation Company Limited shall bring to the attention of the National Heritage Conservation Commission discoveries of any items of archaeological, cultural and/or historical value.

4.1.26 Lusaka Water Supply and Sanitation Company Limited shall obtain applicable permits or licenses from the Zambia Environmental Management Agency and comply in full with provisions of the Environmental Management Act No.12 of 2011 and the Environmental Management (Licensing) Regulations, Statutory Instrument No. 112 of 2013.

4.1.27 Lusaka Water Supply and Sanitation Company Limited shall prepare and submit a decommissioning and closure report outlining implementation of all the environmental management commitments presented in the Environmental and Social Impact Statement (ESIS) at the end of the project for consideration by ZEMA.

4.2 Lusaka Water Supply and Sanitation Company Limited **shall**:

4.2.1 As appropriate obtain and comply in full with other relevant authorizations such as those stipulated in the following Acts of Parliament:

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i. The Water Resources Management Act;
ii. The National Council for Construction Act No. 10, 2020;
iii. The Forests Act No. 4 of 2015;
iv. The Zambia Wildlife Act No. 14 of 2015;
v. The Urban and Regional Planning Act, No. 3 of 2015;
vi. The Local Government Act No. 2 of 2019;
vii. The Water Resources Management Act, No. 21 of 2011;
viii. The Public Health Act, Cap 295 of the Laws of Zambia;
ix. The Workers' Compensation Act No. 10 of 1999;
x. The Energy Regulation Act Cap 436 of the laws of Zambia;
xi. The Occupational Health and Safety Act No. 36 of 2010;
xii. The Pneumoconiosis Act No. 13 of 1994; and
xiii. The Ionizing and Radiation Protection Act No. 16 of 2005
xiv. The Solid Waste Regulations and Management Act No. 20 of 2018;
xv. The Public Health (Infected Areas) (Coronavirus Disease 2019) Regulations, No. 22 of 2020; and
xvi. The Public Health (Notifiable Infectious Disease) (Declaration) Notice, No. 21 of 2020.

4.2.2 Make available information on hygiene, malaria control and HIV/AIDS safety, health and environment to employees.

4.2.3 Provide workers with appropriate fire-fighting equipment and train workers in fire- fighting and emergency response.

4.2.4 Report all objects or sites of archaeological, cultural or historical value to an appropriate institution such as the National Heritage Conservation Commission and /or ZEMA.

4.3 Lusaka Water Supply and Sanitation Company Limited shall comply with environmental standard and/or specific limits of particular pollutants. Thus, compliance with Zambia Environmental Management Agency recommended measures **does not absolve** Lusaka Water Supply and Sanitation Company Limited from its responsibility if such measures do not achieve compliance with environmental control standards.

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4.4 Lusaka Water Supply and Sanitation Company Limited shall in accordance with Section 15 of the Environmental Management Act CAP 204 of the Laws of Zambia, allow inspectors from ZEMA **unrestricted entry** into the project site at any reasonable time with or without making prior notice throughout the project cycle.

4.5 The project shall be implemented **within three years** from the date of approval. Failure to implement the project within the said period shall render this Decision Letter invalid and Lusaka Water Supply and Sanitation Company Limited shall re-submit the ESIS.

4.6 The Agency may suspend or cancel the Decision Letter **without notice** should Lusaka Water Supply and Sanitation Company Limited fail to comply with any one of the approval conditions specified above.

4.7 This Decision Letter may be **amended** on the volition of the Agency or otherwise should a situation arise that requires that an amendment be **effected.**

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DIRECTOR GENERAL'S OFFICE
P.O. BOX 35131, LUSAKA

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Date

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Dr. Joel Kabika
Director General
ZAMBIA ENVIRONMENTAL MANAGEMENT AGENCY