

PERMIT NUMBER: EPA/EP/ESIA/001-02-26

ISSUED DATE dd/mm/yy: 05/2/26

EXPIRATION DATE: dd/mm/yy: 04/2/28

ENVIRONMENTAL PERMIT

1.0 CONTACT : Mr. Mohammed Ali
Managing Director
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2.0 COMPANY : Liberia Water & Sewer Corporation (LWSC)
Liberia Urban Water Supply Project (LUWSP)

3.0 LOCATION : McCauley Hill, Johnsonville through Paynesville to Congo Town, Republic of Liberia

4.0 SCOPE OF WORK: Replacement of the main Water Transmission Line Project (construction of 15.2km Ductile Iron pipes)

4.1 LEGAL BASIS AND AUTHORIZATION

Pursuance to the Environment Protection & Management Law of Liberia, 2003, Part III Sections 8 (1), 11 (1) 13 and based on the submitted Environmental Social Impact Assessment Report, this Environmental Permit is ISSUED, authorizing the Liberia Water & Sewer Corporation (LWSC) to commence the sustainable replacement of the main water transmission line (construction of 15.2km ductile iron pipes) from McCauley Hills, Johnsonville, to Congo Town, Monrovia, Montserrado County.

Project Area

Project Location

McCauley Hills, Johnson, to Congo Town, Monrovia, Montserrado County-Liberia.

Any operation of this undertaking outside of this metes and bounds of the above mentioned location without notification and approval by the Agency shall constitute a violation of this permit.

Providing false information or failure to comply with or observe all the permit conditions below will lead to the suspension, cancellation or revocation of this permit or prosecution.

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Dr. Emmanuel K. Urey Yarkpawolo
Executive Director/CEO

Liberia Water & Sewer

02/05/26

DATE

Feb. 3, 2026



5.0 PERMIT CONDITIONS

5.1 GENERAL CONDITIONS

- a) The Management of LWSC shall comply with all applicable environmental laws, regulations, standards, and guidelines of the Environmental Protection Agency (EPA) and relevant municipal authorities;
- b) The project shall be implemented strictly in accordance with the approved project description, Environmental Management Plan (EMP), and any conditions attached to this Permit;
- c) Any modification to the approved scope of work shall require prior written approval from the EPA;
- d) A copy of this document and any associated documents referred to in this permit must be placed in a location that is visible and known to all staff and contractors;
- e) Management must designate staff to implement the safety management plan and said person must ensure that all staff and/or contractors comply accordingly;
- f) Ensure to obtain permission and lease agreements from landowners before using their properties for any construction activities and notify the EPA with said agreement ;
- g) Ensure transportation of all materials and equipment is done in a sustainable and safe manner that does not pose threats to human wellbeing;
- h) Ensure all specifications of the project are followed consistent with national and international standards;
- i) Ensure operation site is maintained in a tidy condition, free from litters, wastes and potential hazards (whether arising from own activities or external sources);
- j) Ensure to reinforce concrete is constructed as an apron to avoid the intrusion of fuel, contaminants, debris and other particles near the water source;
- k) Ensure to avoid installation of pipes that are not corrosive and unhealthy contrary to the standards of water quality of Liberia;

5.2 RIVER OR STREAM PROTECTION

Part V Section 61, water pollution in any form is strictly prohibited by the EPML and is punishable by a fine. Complies with Section 75 subsection 2 of the EPML.

5.3 WASTE MANAGEMENT

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- a. All construction waste, including excavated soil, pipes, scrap materials, and packaging, shall be properly segregated, stored, and disposed of by an EPA -certified waste service provider or an EPA-approved disposal sites;
- b. Reusable materials shall be recovered where feasible.
- c. No waste shall be dumped in drains, waterways, wetlands, or open spaces.
- d. Construction sites must be established and operated in a manner such that there is no unauthorized disposal of construction demolition water or debris to the land.
- e. Construction and operation sites should be kept in good order and good housekeeping shall be maintained;
- f. Waste skips/trash bins shall be provided at the construction site;
- g. Contractors shall designate the waste collection areas and provide proper indicative signs and/or symbols;
- h. Ensure waste segregation;
- i. In the event of termination of business activities on the site, all wastes (including end of life or abandoned machinery, tanks and equipment) and hazardous materials must be removed from the site and managed sustainably;
- j. Construction wastes, which include general waste arising from the project activities activities, to be removed on regular basis.
- k. Hazardous wastes which include waste oil, paints, thinners, chemicals, solvents, etc., to be handled properly and disposed of as per the EPA GUIDELINES.
- l. Upon termination or completion of activities, all waste, abandoned machinery, and hazardous materials are removed and managed sustainably.

5.4 TRAFFIC AND PUBLIC SAFETY MANAGEMENT

- a. LWSC shall prepare and implement a Traffic Management Plan to minimize disruption to vehicular and pedestrian movement;
- b. Temporary road closures or diversions shall be coordinated with the relevant city authorities & Ministry of Public Works and communicated to the public in advance;
- c. Access to homes, businesses, hospitals, and emergency services shall be maintained at all times;

5.5 Protection of Existing Infrastructure & Community Engagement

- a. LWSC shall ensure that all existing utilities (electricity, telecommunications, sewer lines) are identified prior to excavation;

- b. Any damage to existing infrastructure shall be promptly repaired at the Permit Holder's expense;
- c. Coordination with utility providers shall be maintained throughout the project;
- d. LWSC shall inform affected communities prior to commencement of project activities;
- e. A grievance redress mechanism shall be established to receive and address complaints from the public in a timely manner;
- f. All grievances and corrective actions shall be documented and made available to the EPA upon request;

6.0 OCCUPATIONAL SAFETY AND HEALTH

Implement a comprehensive Health and Safety Policy to cover Employees, contractors, sub-contractors and suppliers on site :

- a. Workers shall be provided with appropriate personal protective equipment (PPE) and trained on health and safety procedures ;
- b. Trenches shall be adequately shored or sloped to prevent collapse.
- c. First aid facilities shall be available on site throughout the construction period ;
- d. Ensure the provision of Personal Protective Equipment (PPE) for the entire workforce;
- e. All measures should be taken to avoid all pollution emanating from the dispenser of petroleum products that would impact workers' health in the project area;
- f. Limit employees' exposure to any other unhealthy impact arising from project activities through routine monitoring of workers' health conditions ;
- g. In addition, the Permit Holder shall submit a **detailed written incident report within seventy-two (72) hours** of any accident, injury, fatality, or environmental incident, including causes, impacts, and corrective measures taken.
- h. Ensure an assembly point where all personnel on site should gather in case of an emergency for proper accountability of personnel and ease of evacuation;

7.0 DECOMMISSIONING

- a. All disturbed areas shall be restored to their original or better condition upon completion of works;
- b. Roads, sidewalks, drainage structures, and public spaces affected by the project shall be reinstated promptly;
- c. Excess materials and equipment shall be removed from the site after completion;

8.0 NOTIFICATION OF CHANGES

- Notify the EPA of any major changes in the planned development other than the information provided in the Environmental Project Brief (EPB);
- The Permit Holder shall notify the Environmental Protection Agency (EPA) **within twenty-four (24) hours** of any emergency onsite that poses an immediate risk to human health, public safety, or the environment
- Apply for permit renewal **90 days** prior to expiration ;
- Notify the Agency of closure or sale of the business to another party, three months before to said closure and/or sale.

9.0 MONITORING REPORT

The company shall monitor its operations and submit a **biannual Environmental Monitoring Report** conducted and prepared by an EPA-certified Independent & Certified Environmental Consultant to the Agency.

10.0 REGULATORY MONITORING

The Environmental Protection Agency of Liberia (EPAL) reserves the right to conduct documentary and field monitoring and inspection of the company operations at any time. The company must facilitate such monitoring by making all documents available, granting access to sites and facilitating access to all working areas.

11.0 FINES AND PENALTIES

All non-compliance with this permit shall be considered a fine as established by the EPA. All fines shall be served with written notification – terms and conditions stipulated thee in, based on the level of non-compliance, the EPA reserves the right to hire a third-party certified environmental evaluator to assess and remediate said contamination with the permittee undertaking the full cost of the clean-up, however, the permittee also reserves the right to hire a third-party certified environmental evaluator to perform such task with the approval of the EPA. Should the EPA provide this service i.e., assessment and remediation of potential environmental degradation, the permittee shall then be liable to pay the EPA a total of three times the cost market value for services performed.

12.0 NOTWITHSTANDING THIS PERMIT

The operation is subject to other relevant regulations and permits of the sector must be observed;

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13.0 TRANSFERABILITY

This permit is not transferable, except authorized and approved by the Executive Director of the Environmental Protection Agency of Liberia (EPAL).

14.0 VALIDITY PERIOD AND NOTIFICATION OF RENEWAL

- a. This permit is valid for **the duration as specified in the header**, commencing the date of issuance of this permit and is renewable under new terms and conditions upon submission of an environmental audit report, **ninety (90)** days before the expiration of this permit;
- b. This permit is valid only if it bears the seal, stamp, and signature of the head of the Agency.

End of permit condition!

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