

Champion for nature conservation Liberia (CNCL)/ UNDP-SGP project

Establishment of two plastic waste buying station at AB Tolbert Road and Duport community

Project Title: From Trach to Treasure-reducing Plastic waste, by adding value to waste and enhancing environmental conservation.

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Operations and Deployment Report

To scale the region's environmental compliance and waste diversion capabilities, our team executed a series of comprehensive site assessments designed to optimize the deployment of organic collection infrastructure. The core objective was to transition from a generalized distribution model to a data-driven strategy. This shift ensures that every green bin is positioned for maximum community adoption and seamless operational maintenance.

The project began with rigorous field evaluations across diverse urban and suburban zones. The assessment team systematically audited potential locations, evaluating critical factors such as community foot-traffic, seasonal waste volume shifts, and proximity to high-generation sources like food markets and high-density housing. Logistical feasibility was a primary constraint; each proposed site was vetted to ensure it allowed safe, rapid access for municipal collection vehicles, thereby minimizing transit times and reducing municipal fuel expenditures.



Data gathered from these physical audits was then cross-referenced with spatial mapping tools to lock in strategic placement coordinates. Special attention was paid to human behavior and ergonomics. Bins were strategically paired with existing waste infrastructure to encourage correct

source-separation, increase public visibility, and reduce cross-contamination rates. Furthermore, the final selections strictly adhered to local accessibility laws, ensuring equal civic utility while avoiding the obstruction of public pathways or sightlines.

The culmination of these site assessments is a structured, scalable blueprint for the rollout of the green bin network. By grounding infrastructure placement in empirical field data, the initiative successfully mitigates the risk of underutilized assets and streamlines weekly collection routes. This systematic approach directly supports our overarching sustainability goals, turning standard municipal asset management into a high-yield environmental program that optimizes both capital expenditure and public participation.



Construction of the AB Tolbert Road plastic Buying Station CNCL Photo credit April 30, 2026 Catherine D.



The grand opening of the ELWA buying station featured prominent dignitaries, community leaders, and conservation advocates. Key invitees Salimatu Gilayeneh from the United Nations Development Programme (UNDP), Romeo T. Coker from the Paynesville City Corporation (PCC), Nathaniel T. Blama Chairman of CNCL Board and Mrs. Cheryl Morgan a prominent member of the Rotary Club of Liberia.

The host organization, CNCL, was fully represented by Executive Director Mr. Moses Massa, Program Manager Mr. Richard Hoff, and the broader organizational staff. Highlighting grassroots involvement, the event welcomed local eco-champions and students representing eight core partnership communities and their respective schools. Abigail M. Zean, from CNCL's youth engagement and capacity building department, expertly guided the ceremony as the Master of Ceremonies.

The event reached its peak during the official ribbon-cutting ceremony, which was honorably executed by Salimatu Gilayeneh the **Inclusive Green Growth Team Leader at UNDP Liberia**. This launching ceremony marks a pivotal milestone for local environmental sustainability, uniting international partners, municipal authorities, and community youth to foster impactful ecological stewardship and green economic growth within the region. During the program, speakers highlighted the station's future role in community-led environmental preservation and waste management.



UNDP Liberia Inclusive Growth Team leader at the Opening of the AB Tolbert Road plastic Buying Station CNCL
Photo credit May 22, 2026 Catherine D.

It is noteworthy to report that the leadership of both AB Tolbert Road and Duport road supported the sourcing of the land which was provided for the establishment of the two stations.



Construction of the Duport Road plastic Buying Station CNCL Photo credit May 12, 2026 Catherine D.

Procurement and Asset Distribution Analysis

To support the logistical rollout and ensure operational capacity across the targeted locations, a comprehensive procurement and material distribution strategy was executed. The acquired assets were categorized into three primary domains: field implementation tools, occupational health and safety (OHS) personal protective equipment (PPE), and community engagement materials.

Operational Tools and Waste Infrastructure

A total of 77 field implements and containment units were distributed to reinforce waste collection and site management capabilities:

- **Manual Transport and Excavation Equipment:** Nine (9) wheelbarrows, seventeen (17) shovels, seventeen (17) rakes, and seventeen (17) cutlasses.
- **Containment Units:** Seventeen (17) standard buckets, alongside eight (8) iron waste bins designated for the eight target project communities.
- **Institutional Infrastructure:** Ten (10) rubber bins were successfully requisitioned from the Paynesville City Corporation (PCC) to supplement community waste management capacity.

Personal Protective Equipment (PPE) and Outfitting

To ensure strict adherence to occupational safety standards during field operations, 188 individual PPE and apparel units were allocated to personnel:

- **Weather and Hazard Protection:** Twenty-nine (29) pairs of heavy-duty rainboots and twenty-nine (29) waterproof raincoats.
- **Sanitation and Biosecurity:** Sixty (60) pairs of protective gloves and seventy (70) protective face masks (nose masks) to mitigate biohazard exposure.
- **Personnel Identification and Branding:** Twenty-four (24) operational jackets and one hundred (100) project-branded T-shirts were distributed to unify the project workforce. Recipients included CNCL staff, partners from the UNIPOD iCampus at Fendall, and local eco-champions.

Public Awareness and Educational Collateral

To drive community mobilization and maximize environmental literacy, 650 pieces of informational material were disseminated across the eight participating communities:

- **Information Dissemination:** Five hundred (500) educational flyers and one hundred (fifty) 150 high-visibility posters detailing project guidelines.

Photographic documentation validating the procurement, quality, and distribution of these materials is compiled in the supplementary appendices of this report.

Distribution of working tools /CNCL Photo credit April 29, 2026 Catherine D.



Distribution of T-shirt for awareness/CNCL Photo credit April 29, 2026 Catherine D.



