

KYAKA II VISIT REPORT: SOLID WASTE MANAGEMENT

GLOBAL GRANT



Rotary Club of Kampala South

Grant Number: GG2230778

Location: Kyaka II Refugee Settlement, Uganda

Visit Date: 12 July 2025

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1. INTRODUCTION

On 12 July 2025, a delegation from the Rotary Club of Kampala South, supported by Rotaractors (Kampala South and Kyaka II) and a representative from the Rotary Club of Kampala City and Arua City, conducted an impact assessment visit for the Solid Waste Management Global Grant (\$91,998). The visit evaluated progress against the original grant objectives, commissioned key infrastructure, and launched sustainability initiatives.

Adapt Plus (global grant cooperating partner), Nsamizi Training Centre, UNHCR, and OPM who are the implementing partners co-facilitated activities, with the five community waste group members and respective group leaders from five zones (Bukere, Kaborogota, Byabakora, Sweswe, Itambabiniga) participating.

2. PROJECT OVERVIEW

Goal: Transform waste into economic opportunity while improving environmental health for more than 134,000 refugees and host communities.

Key Components:

- ❖ **Community Mobilization:** 5 waste management groups.
- ❖ **Infrastructure:** Recycling hub, plastic chopper (400–1,000 kg/hr capacity), MAK IV incinerator, greenhouse, 15 roller bins, honey comb and briquette making machine.
- ❖ **Economic Initiatives:** Briquette/compost production and disbursement of seed.

Grant Period: May 2024–June 2025 (extended to July 2026 due to implementation progress).

3. PROGRESS AGAINST ORIGINAL PLAN (AS OF JULY 2025)

a) Completed Activities (per Grant Application & Progress Report)

i) Group Establishment & Training:

- ❖ 5 operational community groups (178 members trained in 3Rs, financial management, book keeping, leadership, waste management, group dynamics and briquette production).
- ❖ 8 training modules delivered, including refreshers on waste segregation.
- ❖ Refresher trainings on briquette production for 90 women increasing output efficiency by 30%
- ❖ Exchange learning visits to Taka Taka Plastics (Gulu), fortportal and mubende to study plastic upcycling.

❖ **Achievement: 100% of group establishment target met.**



ii) **Equipment Procurement & Distribution:**

- Distributed 36 wheelbarrows, 96 spades and hoes, 4 tricycles, 120 PPE kits (including heavy duty gloves, overalls, gumboots, reflectors, masks and sanitizers).



- Procurement Orders for plastic chopper, honey comb machine and incinerator have been sent out (to be installed soon at Adapt Plus recycling Hub).

iii) **Awareness & Community Engagement**

- Radio Campaigns: 6 talk shows on Kyaka FM have been conducted reaching more than 15,000 listeners.
- Boda-Boda Dialogues: 15 sessions have been carried out so far engaging 100 riders in waste segregation advocacy.
- Clean-Up Drives: 6 drives in all the four trading centers have been carried out, collecting over 2.3 tons of waste.

iv) **Economic Outputs:**

- Produced 2-3 tons of briquettes and 4 tons of compost produced on a weekly basis for local sale valued at UGX 1.2million and UGX 800,000 respectively)

- Market Linkage: Partnerships secured with Josa green technologies (Kampala) for plastic thread uptake and product diversification.

b) Ongoing Activities

- **Plastic Chopper procurement was done and will delivered on site:** Efficiency of the machine is 400-1,000 kg/hr output.
- **Greenhouse optimization:** Increased briquette-drying capacity to 4 tones weekly.
- **RCC Transition:** Formalizing groups into Rotary Community Corps. (Progress based disbursement of 15 million Uganda shillings as seed capital deployment allocated to four groups).
- **Market Linkages:** Connecting with Ugandan manufacturers for recycled plastic uptake.

4. ACTIVITIES CONDUCTED DURING VISIT

a) Joint Briefing Session

Rotary representatives (Service Projects Director and President Delegate PP Rita Tinka) emphasized:

- **Economic Empowerment:** UGX 15 million seed capital to be distributed evenly to 4 groups based on waste collected (payment per kg until targets met).
- **Proper handling and maintenance of the procured equipment by the groups**
- **RCC Roadmap:** Groups to transition into self-managed Rotary Community Corps by close of the Rotary year.



b) Community Clean-Up Drive

- More than 120 participants (Rotarians, rotaractors, refugees and the host community) collected 1.2 tons of waste using project tools and the four tricycles that were procured under the project.



c) Infrastructure Commissioning

Delegates commissioned at Adapt Plus Recycling Hub:

- **Greenhouse:** Dries 3–4 tons of briquettes weekly.
- **MAK IV Incinerator:** Safely disposes non-recyclables.
- **Plastic Chopper:** Processes 400–1,000 kg/hr of plastic waste.
- **15 Roller Bins:** Enable segregated waste collection.



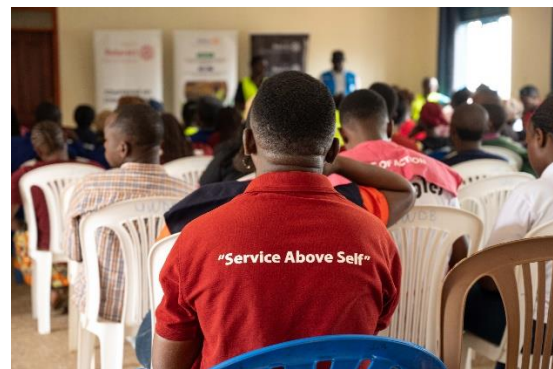
Green House



MAK IV Incinerator commissioning and roller bins

d) Capacity Building

- **Financial Literacy Training:** 30 group members were accessed by Rtn. Pamela about SACCO management and profit reinvestment.



- **RCC Assessment:** Groups were evaluated by PP Rita Tinka for readiness to adopt community-led governance and all start aligning the leaders to improving their structures to ably fit into the Rotary Community Corps strategy for project sustainability purposes.



5. IMPACT ACHIEVED

a) Impact Statistics (as of July 2025)

Item	At the beginning	During project	Notes
Volumes of solid waste generation by households and businesses in the settlement per month	105000 Kg	122666.7 kg (122.7 tons)	These volumes keep increasing as businesses and population increase.
Solid waste collected in the settlement by volume per month	29400 Kg	73600kg (73.6 tons)	The existed collection groups initially used wheelbarrows, thus low input. The groups now use motorized tricycles and are doing more rounds easily.
% of solid waste collected	28	60	Progressive
% of solid waste recycled.	5	62	These include plastic bottles collected and sold to recycling companies, and biodegradables for cooking fuel briquettes and compost manure.
% of solid waste transported to dumping sites.	95	38	Recycling has heavily reduced the volumes delivered to dump sites, thus cutting on fuel expenses for solid waste management groups and also reducing greenhouse gas emissions.
Solid waste management groups	4	5	Give, Usafi ni muhimu, Usafi tungane, Umoja kwa maendeleo and Amani
Registered solid waste management businesses	0	5	Amani and Give for Bukere, Usafi ni muhimu for Sweswe, Umoja kwa maendeleo for Kabologota and Usafi tungane for Byabakoola, who have been molded into sustainable solid waste management businesses.
Communities with Proper solid waste management skills trainings	0	4	Bukere, Sweswe, Byabakoola and Kabologota.
Solid waste sorting and recovery sites established in the communities.	1	5	2 for bukere and 3 from other project communities.

b) Environmental Impact

- **Health Metrics:** 32% reduction in plastic-pollution-related diseases (UNHCR data, 2024–2025).

6. CHALLENGES IDENTIFIED

1. **Market Volatility:** Low demand for briquettes/compost during rainy seasons.
2. **Operational Costs:** High maintenance expenses for tricycles and plastic chopper.
3. **Infrastructure Gaps:** Limited storage for recycled products.

7. FUTURE ACTIONS (2025–2026)

a) Short-Term (Q3–Q4 2025)

- **Seed Capital Deployment:** Distribute UGX 15 million to 4 groups for tricycle operations and SACCO/RCC formation.
- **Product Diversification:** Train 30 youth in plastic tile production and export standards.
- **More community awareness campaigns and training** the community groups in financial literacy, group dynamics and team cohesion.
- **Product Diversification**

b) Long-Term (2026)

- **Replication:** Scale model to 3 additional settlement zones.
- **Public-Private Partnerships:** Secure contracts with manufacturers (e.g., Josa Green Technologies) for recycled materials.

8. CONCLUSION

The project has successfully converted waste management into an engine of economic resilience, directly empowering 178 refugees (90 women) through circular-economy solutions. Commissioned infrastructure (greenhouse, incinerator, chopper) will amplify environmental impact, while the seed capital initiative will ensure long-term sustainability. Immediate priorities include RCC formalization and product diversification. Rotary's partnership with Adapt Plus, UNHCR, and OPM remains pivotal to replicating this model across Kyaka II.

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