Republic of South Sudan

Jubek State

Juba City Council

Challenge encountered during implementation of Action Plan

By

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Focal Point

August 25th 2019
Waste Generation and Discharge Stage

- The concept and practice of collection system of waste remains in the hands of the citizens of Juba to change their mind set for better through sensitization.
- Only 25% could collect their waste and keep them for timely collection truck
- Time and motion study planned for routing has been weaken by few collection trucks
- And the untrained crews
- 75% of waste are being dumping into rivers, by road sides, open places, or burning them
- Payment for collection of waste not effectively managed by the citizens
- Total household of the City is around 250,000
- They are generating around 162.5 tons per day
- In a year 58,500 tons
- By laws not enforce properly for incurring fines
Education and Awareness Through High Schools

Change better through young generation who can spread the message to their parents, neighborhood, and surrounding. Two High schools: Juba Day and Comboni are take as priority for the others to follow.

Two (2) hours Training section on waste collection system to be role module for the citizens around and at residential areas in Juba, environmental management, and public health. Then followed by clean up campaign on July 20th & 27th 2019 respectively.
CLEAN UP CAMPAIGN INVOLVED CHIEF REPRESENTATIVE OF JICA & SENIOR STAFF, JUBA CITY COUNCIL GROUP, AND STUDENTS

During campaign, JICA donated one dust bin to each school as shown in the above picture.
Waste collection and transportation stage

- Waste routes covering: Hotels, markets, institutions, Regions sectors, Schools, main roads, prisons sectors, and residential areas
- Citizens reluctant to gather their waste for municipal to collect. Due to failure of timely collection
Delay of trucks is major cause of increased waste to burned in the city. Since the trucks are very few could not cover such huge population.

Also, trucks have been grounded due to lack of spare parts available in the country.
Intermediate Treatment Stage

- Treatment plant has been a problem facing then city council. Due to establishment of Facility at the dumping site or transfer station site
- Only the voluntary waster pickers at open dumping site playing effective role at this stage
**Final Waste Disposal Stage**

- Current situation at Juba dumping site established in 2012 by JICA
- Mixed waste were everywhere unsorted
- All fence destroyed
- Bull Dozen is workable at any time to re-open the site
- Only 25% of waste been dumped legally
Way forward for enhancement

- Awareness raising continuous to agitate the process of waste collection system and reduce it and gain economic benefits
- Effective participation of all stakeholders by contributing funds to Juba city Council for waste
- Enlarge content of capacity building technically, and technology transfers through cross cutting training programmes in Japan or locally
- JICA training impact is great to achieve and waging war on garbage to reduce death rate and improve life span in Africa and Juba In particular
- Adopt FOKUKA method for New Landfill
IN CONCLUSION TOURNAMENT WAS PLAYED

The clean up campaign was remarked by the school friendly environmental game. This is to reflect spirit of nationalism, leadership, and responsibility of taking care of Waste collection wherever they may be. At the end of this game Juba Day was awarded Trophy as appreciation and encouragement.
**Improvement of poor Solid Waste Collection System in Juba City, Republic of South Sudan**

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<tr>
<th>Activities</th>
<th>March</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>Aug</th>
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<th>Oct</th>
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<tbody>
<tr>
<td>Several meetings were held to discuss the implementation plan with the three areas of Munuki, Juba and Kator for timely collection of waste.</td>
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<td>Time &amp; Motion Study conducted on daily basis but not operational because of delay in trucks.</td>
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<td>Suitable curriculum for training of crew members: The design and workers on how to follow the routes and keep collection time; dumping time, break time and minor maintenance.</td>
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<td>Budget for purchasing dustbins or containers after identifying the type and capacity of each dustbin through procurement done by logistics officer.</td>
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<td>Public awareness for leaders and community, religious leaders, school teachers, traders, and others to know their role about the new collection system and the designed schedule per week per area.</td>
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<td>Establishment of improved garage or workshop with modern equipment and facilities for timely maintenance of trucks.</td>
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<td>Maintenance of roads to the landfill to enable frequency breakdown of the trucks for better reduction of Solid waste</td>
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<th>Activity 8</th>
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<td>Evaluation, modification and expansion of new areas in future</td>
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