EXAMPLES OF INTEGRATION: PHILIPPINE EXPERIENCE

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Empower the informal waste sector to be recognized as a partner of public-private sector in the implementation of 3 Rs in solid waste management
WASTE MANAGEMENT SYSTEM INTEGRATING IWS

- Waste generation
- Collection
  - Accredited IWS collectors
  - IWS managed MRFS/transfer stations
  - Recycling coops/Enterprises
  - Authorized IWS waste reclaimers
- Waste recovery, recycling & composting
  - Barangay/LGU-managed Private sector collection
  - Barangay managed MRFS
  - Accredited junkshops
- Disposal
  - LGU operated
  - Private sector operated
Privately owned disposal facility/WPS INTEGRATION
Metro Clark Sanitary Landfill handles sanitary and industrial waste being generated by Clark Freeport Philippines locators and the neighboring cities/municipalities & industries using recycling, composting, and sanitary landfill technologies that conform to European standards.

As part of its Corporate Social Responsibility, Metro-Clark has engaged the services of former wastepickers in the landfill to work in the Materials Recovery Facility inside the facility. They formed themselves in 3 cooperatives and registered their organization at Cooperative Development Authority (CDA).

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<th>MCWMSLF COOPERATIVE MEMBER</th>
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<tbody>
<tr>
<td>Male</td>
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<tr>
<td>Female</td>
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Informal Waste Sector in the MRF

As workers in the MRF, the IWS are required to strictly follow the rules of the MRF operations:

• Only bonafide member of cooperative are allowed inside the Material Recovery Facility.
• All segregator waste picker wear proper PPE’s. and wear corresponding uniform and ID.
• No segregator / waste picker are allowed to do sorting/segregation at the Garbage Pit Area.
• Segregators should be at-least 4 meters away from the Garbage Truck/Bin during the unloading operation at the Material Recovery Facility.
• Segregator should observe cleanliness at the MRF area.
City-Government/Private Company/WPs Integration
Quezon City Experience: Organizing the Waste Pickers of Payatas Controlled Dumpsite
Quezon City Integrated Waste Disposal Facility
Before the July 2000 trash slide, scavenging at the dumpsite was unrestricted and open to anybody, including children. Around 2,000 people are engaged in picking recyclables at the dumpsite. And 3,000 people more, including the underground economy, are heavily dependent on dumpsite operations.

Since 2001, the PAYATAS OPERATIONS GROUP (POG) has implemented various measures and systems to improve dumping operations, which include “scavenging operations”, as part of the overall rehabilitation program of the dumpsite.

- Scavengers were organized into 13 associations (12 during daytime & 1 for nighttime operations) which were assigned sub-dumping areas at the dumping table
- The trucks tip their hauled waste on rotation basis on these designated dumping areas and each scavenger group is allowed 20 – 30 minutes to pick through the dumped waste
- With this system, infighting among scavengers was avoided and the scavengers’ efficiency in the recovery of recyclables significantly increased
MATERIAL RECOVERY FACILITY

SUMMARY OF RECOVERED RECYCLABLES

- GLASS: 9%
- PAPER: 17%
- METAL: 5%
- PLASTIC: 31%
- BIO WASTE: 24%
- OTHERS: 14%

RECYCABLE RECOVERY EFFICIENCY

- BIOWASTE: 3%
- PAPER: 11%
- METAL: 41%
- GLASS: 52%
- PLASTIC: 54%
- OVERALL: 12%
MATERIAL RECOVERY FACILITY

PLASTIC DENSIFIER TECHNOLOGY

- Recovers residual waste such as polystyrene (styrofoam) and polypropylene plastic bags into useful products:
  - Paving blocks,
  - Planters, and
  - Table tops
- Provide another alternative source of livelihood for the waste pickers cooperatives
MATERIAL RECOVERY FACILITY

- **COMPOSTING**
  
  Production of compost through WINDROW & VERMICOMPOSTING technologies;
  
  Equipped to produce 3 tons of compost daily
Private Sector-WP integration
Smokey Mountain 1

- NGO organized former WPs into cooperative
- Unilever and RCBC Bank allow coop access to their dry and wet wastes
- Coop collects dry waste and segregates in its MRF; wet waste are composted
- Coop sells dry waste to scrap buyers and recycles some of the paper and plastics into some products