

***National Academy of Science and Technology, Philippines (NAST PHL)***

**Visayas Regional Scientific Meeting**

Theme: ***“Caring for the Country’s Carrying Capacity”***

**Problem of Plastic Waste and Plastic Pollution:  
*Tacloban’s Experience***

For. JONATHAN R. HIJADA

Summit Hotel

Robinson’s Place, Marasbaras, Tacloban City

March 20-21, 2019

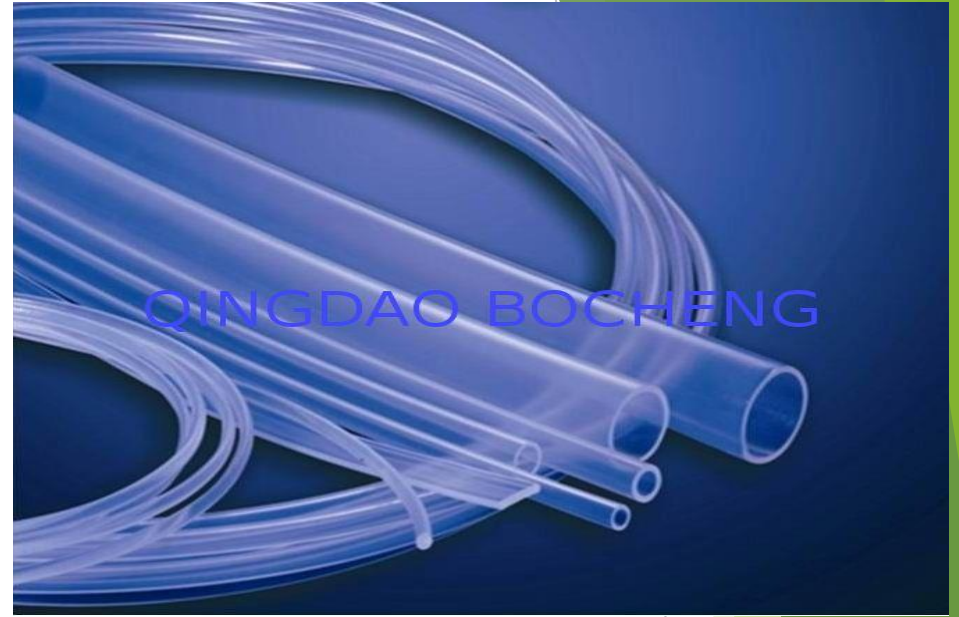


PVC Int'l FZC

HDPE, www.indianamart.com



Polyvinyl chloride - PVC



Polyvinylidene fluoride - PVDF



Polyoxymethylene - POM



3/8" PVDF VITON ozone nipple valve/ozone valve/plastic valve



[www.kmsbearings.com](http://www.kmsbearings.com)



The unaltered stomach contents of a dead albatross chick photographed on Midway Atoll National Wildlife Refuge in the Pacific in September 2009 include plastic marine debris fed the chick by its parents.



Caroline Power captured a shocking sea of plastic floating near the Caribbean island of Roatan CREDIT: CAROLINE POWER PHOTOGRAPHY



**BBC NEWS**



**FLOATING TRASH  
'ISLAND' FOUND  
IN CARIBBEAN**



Pic by Paulo Di Oliveira/ARDEA/Caters News







[independent.co.uk](http://independent.co.uk)



PLASTIC OCEANS FOUNDATION



<http://ddnews.gov.in>



Pasig River



Estero de Binondo



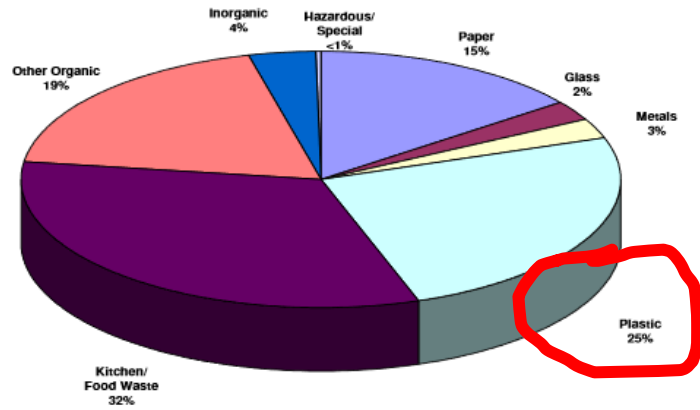


Figure E-1. Estimated Composition of Disposed Waste – Makati (% wet wt.)

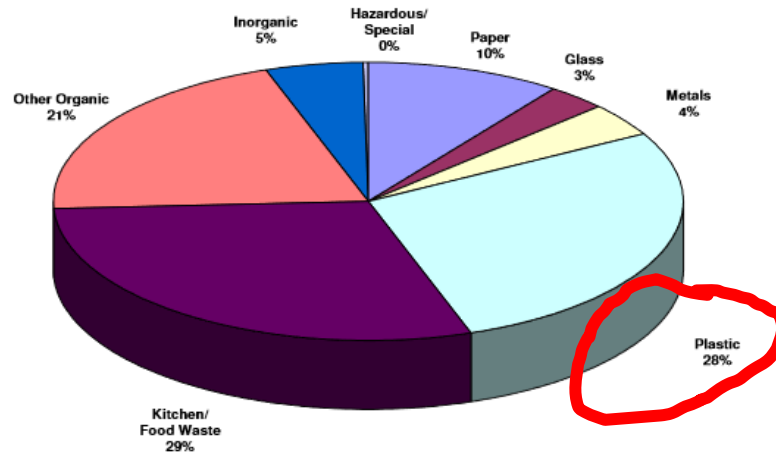


Figure E-2. Composition of Disposed Waste – Muntinlupa (% wet wt.)

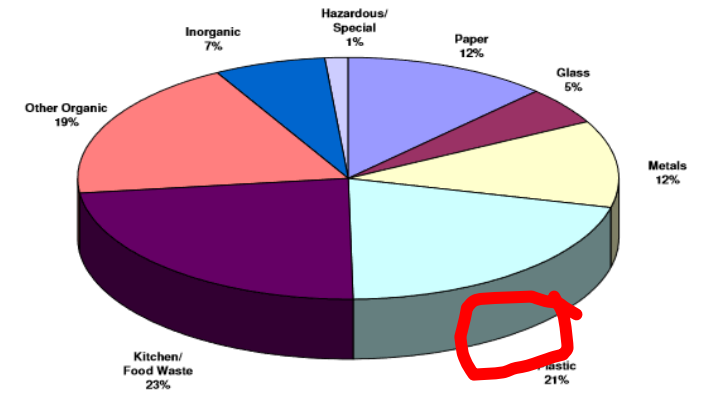


Figure E-3. Estimated Composition of Disposed Waste – Pasig (% wet wt.)

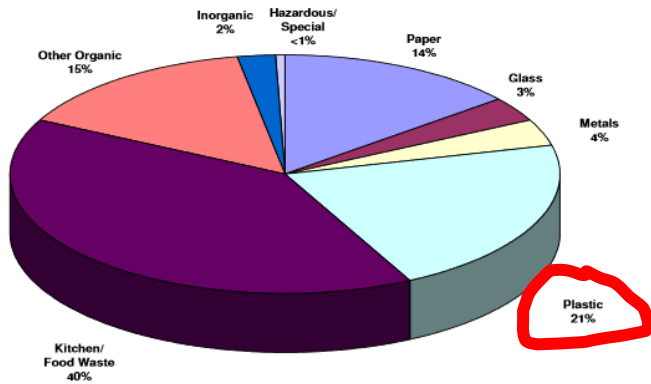


Figure E-4. Estimated Composition of Disposed Waste – Quezon City (% wet wt.)

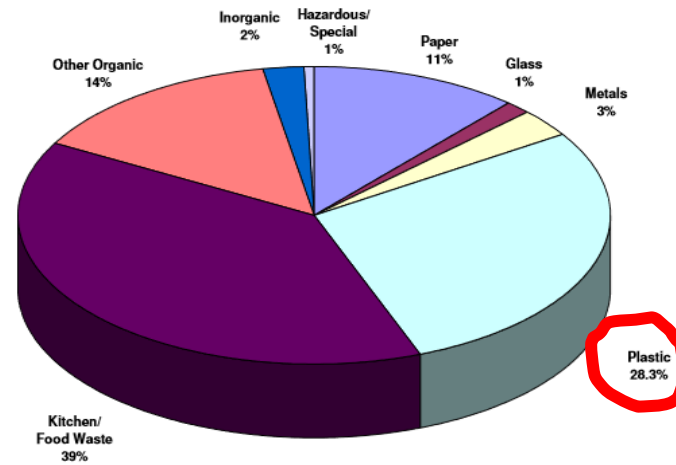
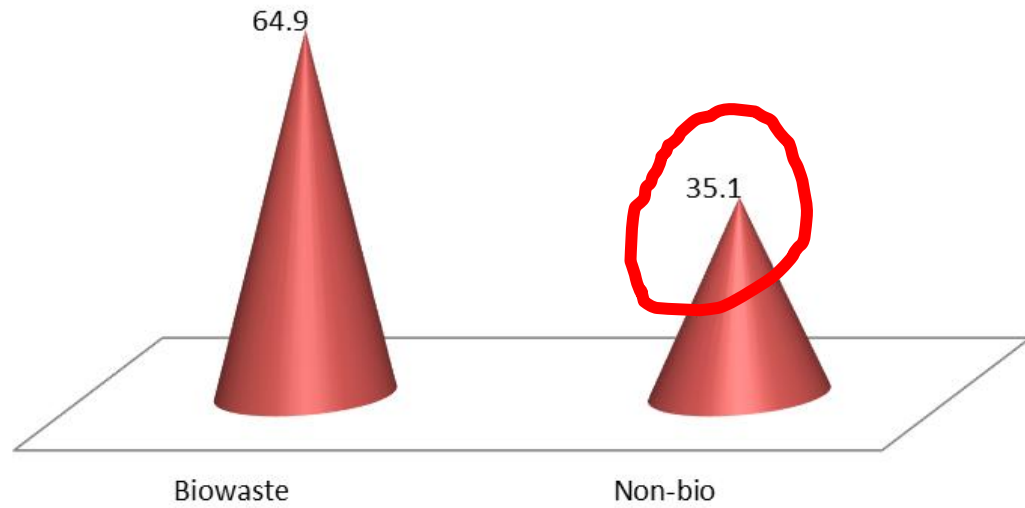


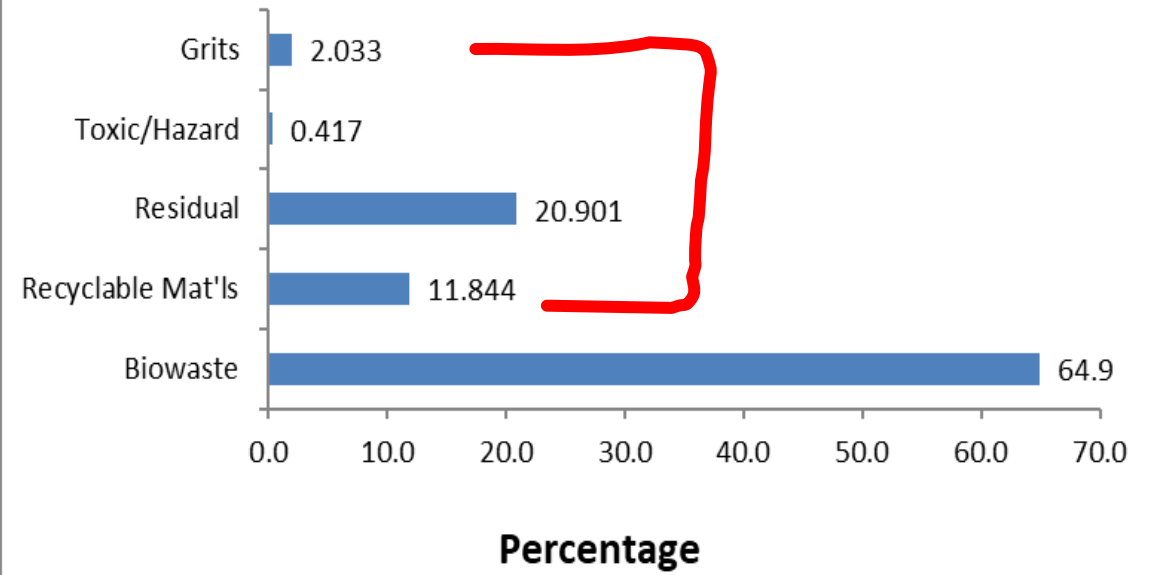
Figure E-5. Estimated Composition of Disposed Waste – Valenzuela (% wet wt.)



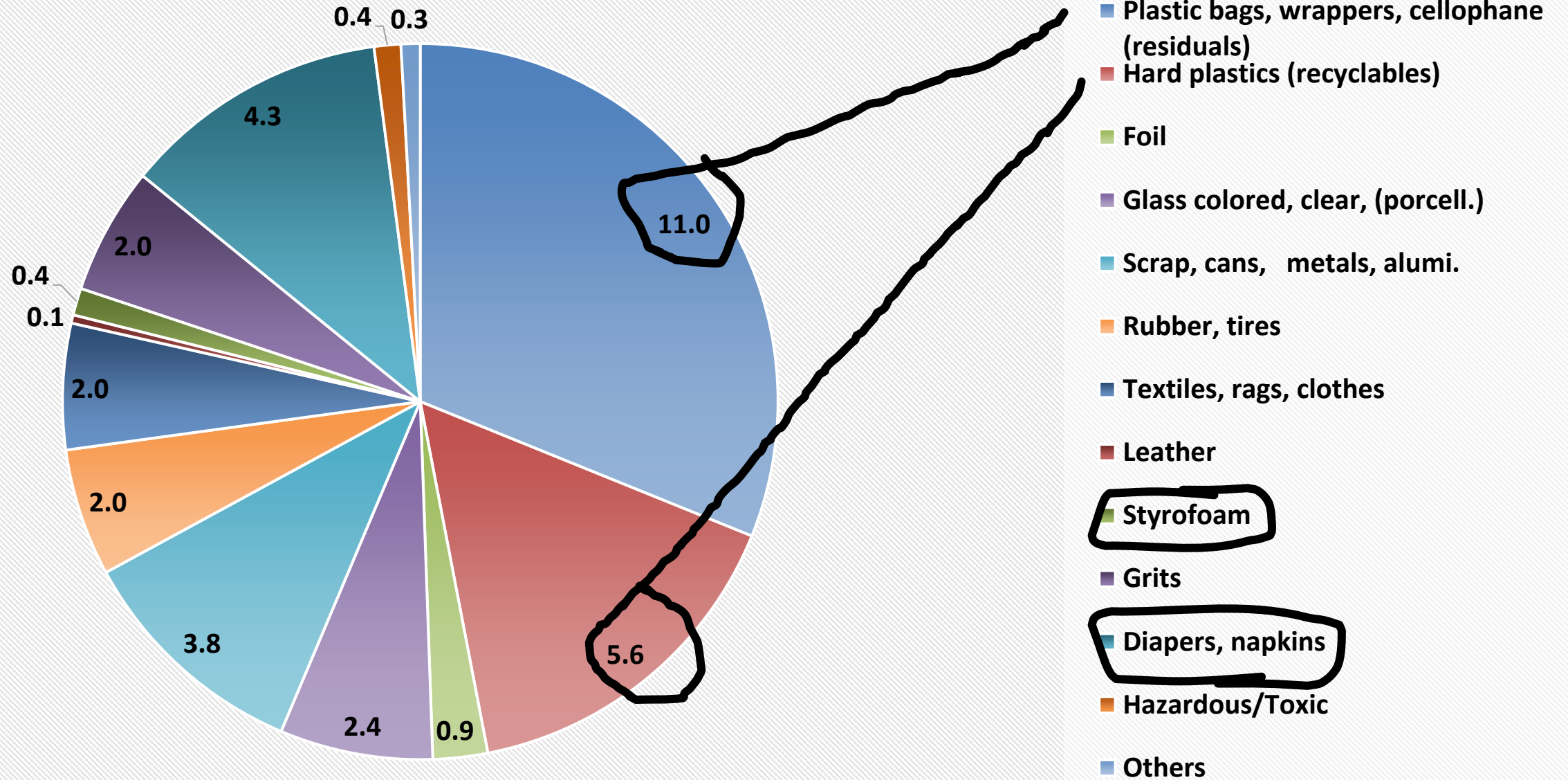
### Distribution of Solid Waste Materials (Household)



### Percent Distribution of Waste Material Class (HH)



# Percentage distribution per material type



# Registered 21 junkshop operators









- ✓ **Passed City Ordinance “Integrated Solid Waste Management Ordinance for the City of Tacloban”**
- ✓ **Proposed “NO PLASTIC ORDINANCE”**

# **SALAMUCH FOR LISTENING...**





**SPIRAL ISLAND  
ISLA MUJERES, MEXICO  
100,000 BOTTLES  
CREATED BY  
RICHART SOWA**









