MAKERS OF....
Company Brand Names

sunpride

Holiday

GOOD MORNING

shoppers

KASSEL
Fine Sausages & Hams
Depots

- Manila
- Bacolod
- Tacloban
- Ilo-ilo
- Butuan

- Cagayan De Oro
- General Santos
- Ozamis
- Davao
- Zamboanga
How was the project initiated?

• Stephen Castillo, President of Sunpride Foods Inc., initiated the project by sending two representative to Takakura Composting Symposium last February 2011.
Situation of the company before the project started:

- FOG (Fat, Oil, and Grease)
  - Amounting from 40K to 50K per month
- Hog Waste and other waste collection
  - 20k per month
Project Description: How the project started?

- Last July 2011, Takakura Specialists came to our company to make an experiment on our waste. They first targeted the FOG (Fat, Oil, & Grease). Started with 200 kilos of mother compost, after 9 days of fermentation, it was being feed with 1 drum of FOG. After 4 days of aeration, FOG was turned into compost.
Project Description: Project Planning & Designing

• Who are involved:
  – General Manager
  – Fabrication Department
  – EHHS Department

• What is the plan:
  – To eliminate FOG hauling
Project Description: Physical Process – FOG

- Grease Trap Collection (Every Sunday)
  - Transferred to Composting Site
    - Feeding of FOG to Compost (Every Monday)
      - Everyday Aeration
        - Feeding of Fruits, Veges, & Dry Leaves
Cost Benefit Analysis:
Cost of Hauling FOG

Cost of hauling FOG = P 650/drum
Number of drums hauled = 15 – 18 drums/week
Total Cost of hauling:
Minimum = P 39,000/month
Maximum = P 46,800/month
Cost Benefit Analysis:
Initial Cost of Starting Takakura Composting

Cost of Mother Compost (1 ton):

- Rice Bran = P 13/kl x 500kls = P 6,500
- Rice Husk = P 8.50/kl x 500kls = P 4,250
- Fermenting Materials = P 500

Total Cost of 1 ton = P 11,250

Total Cost of 6 tons = P 67,500

(Consider as our Initial Investment)

ROI for investing in compost = 2.8 months
Cost Benefit Analysis:
Cost of Maintaining Takakura Compost

Labor Cost (2 pax):

P 305 x 2 x 6 days x 4 weeks = P 14,640
Cost Benefit Analysis: Hauling vs Takakura Composting

Cost of Hauling FOG:  
Min: P 39,000  
Max: P 46,800

Cost of Composting FOG:  
Investment: P 67,500  
Labor: P 14,640

Return of Investment (ROI):  
P 39,000 – P 14,640 = P 24,360 (monthly savings)  
P 67,500 / P 24,360 = 2.8 months
Problems Encountered

• Flies
• Foul Odor
• Dryness of Compost
Initial Compost
Present Composting Site
Information Drive 2011
at Brgy. Paknaan, Mandaue
with the Faculty & Students
TAKAKURA COMPOSTING

A Japanese Composting Method
Information Drive 2012
at Brgy. Paknaan, Mandaue City
with Barangay Zone Leaders
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