Recovering waste materials in pineapple processing

Cleaner production
A Pollution Management Appraisal (PMA) was conducted for Del Monte Philippines, Inc., to minimize wastes, conserve resources, reduce environmental risks and improve process efficiency. One of the waste minimization options implemented was the installation of collection pans in the fruit preparation and trimming tables. At the time of the appraisal, these pans were installed in only two pilot tables. However, because of the success of the pans, they have now been installed in all the fruit preparation and trimming tables.

In addition, Del Monte introduced improved monitoring and supervision which recovered more than 60 kg an hour of lost pineapples, worth $24 000 a year.

Enabling technology
Collection pans or dripping pans were installed in the fruit preparation and trimming tables to collect fruit drops and juice drips. The pans are located underneath the tables to catch the fugitive juice drops and drips from the handling of the decored fruit.

Economic benefits

<table>
<thead>
<tr>
<th>Economic benefits</th>
<th>US$/year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net savings from</td>
<td>24 000</td>
</tr>
<tr>
<td>increased juice</td>
<td></td>
</tr>
<tr>
<td>Capital investment</td>
<td>17 800</td>
</tr>
<tr>
<td>Payback period</td>
<td>9 months</td>
</tr>
</tbody>
</table>

Improved monitoring and supervision saved a further $24 000 a year.

Advantages
✦ Juice savings amounting to more than 55 litres an hour
✦ The installation of these pans has addressed the employees' concern that the drops are acidic and may have affected the employees' skin and clothes.
Country
The Philippines

Industry
Food processing

Company background
Del Monte Philippines, Inc., is one of the largest producers of processed pineapples in the Philippines. The company currently produces an average of 1459 tonnes of canned pineapple per day. Del Monte has more than 3800 employees.

Contacts
Mr Godofredo Arinzel
Group Manager, Corporate Engineering
Del Monte Philippines, Inc.
Bugo, Cagayan de Oro City,
The Philippines
Tel: +63 8822 732 266/267/268
Fax: +63 2 812 9579

Mr David L. Wadsworth
Industrial Environmental Management Project
9th Floor, JMT Corporate Condominium
ADB Avenue, Ortigas Complex
Pasig, Metro Manila
The Philippines
Tel: +63 2 634 1617 to 21
Fax: +63 2 634 1622

Dr Ronald S. Senykov
Chief, Natural Resources Division
USAID
Ramon Magsaysay Center
1680 Roxas Boulevard
Ermita, Manila
The Philippines
Tel: +63 2 521 5226
Fax: +63 2 522 2512