Methane Avoidance
Co-Composting Project

Composting Plant
Jelatang Mill – Jambi

Jakarta, 12th Aug 2015
Co-composting Plant

Location | Jelatang Mill, Jambi
---|---
Mill capacity | 30 TPH
System | Open Windrow
Start operation | 1994
Co-composting Plant

1. EFB transport with EFB conveyor
2. EFB shredded in hammer mill
3. Shredded EFB mixed with composter
4. POME Spraying
5. Regular Mechanical Turning
6. COMPOST
## GHG Value: 2014 vs 2015

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
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</thead>
<tbody>
<tr>
<td><strong>Calculation Method</strong></td>
<td></td>
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<tr>
<td>Without consideration of co composting plant. Using POME emission factor: 510 kgCO2eq/tCPO. And following parameter: 23,339 tCPO; AF 0.85</td>
<td>With consideration of co composting plant. Using cocomposting emission factor (EFB and POME cocomposting): 10 kgCO2eq/tPOME. And following parameter: 57,618 m3 POME; 23,007 tCPO; AF 0.85</td>
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<tr>
<td>Emission from POME</td>
<td>452.62</td>
<td>21.27</td>
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<tr>
<td>Emission from Mill Activities</td>
<td>20.47</td>
<td>19.67</td>
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<tr>
<td>Emission from Estate (highest)</td>
<td>586.13</td>
<td>491.13</td>
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<tr>
<td>Emission from Transportation</td>
<td>23.82</td>
<td>24.17</td>
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<tr>
<td>Total Emission to be declared</td>
<td>1083.04</td>
<td>556.24</td>
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</tbody>
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Emission Factor based on ISCC 205 GHG Emissions and Calculation Methodology and GHG Audit
AF : Allocation Factor
Thank You