

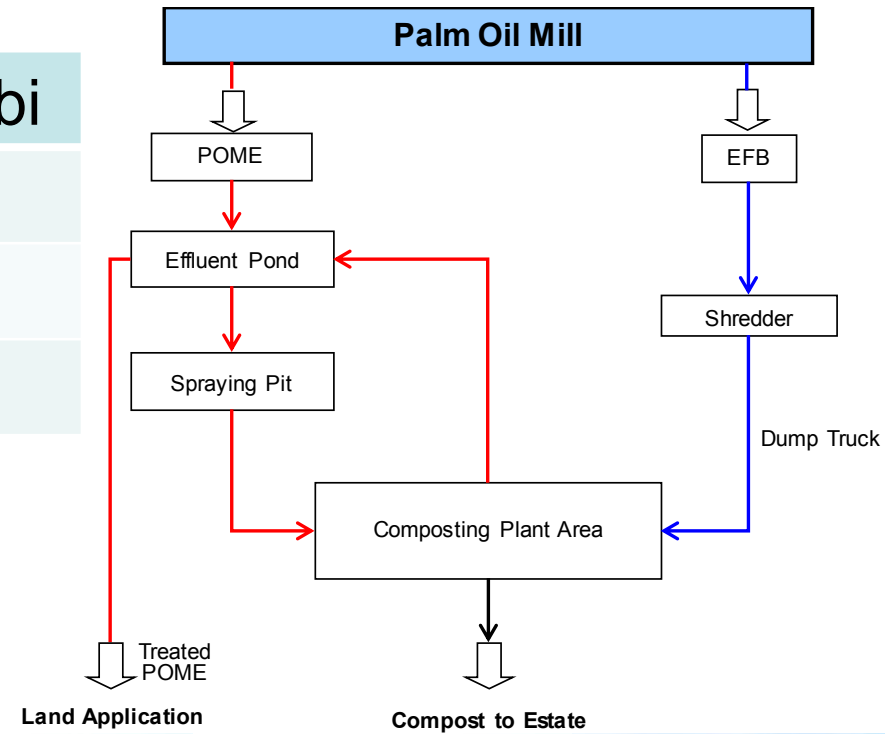
# Methane Avoidance Co-Composting Project

Composting Plant  
Jelatang Mill – Jambi

Jakarta, 12<sup>th</sup> 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



Regular Mechanical Turning

5



POME Spraying

4



Shredded EFB mixed with composter

3

6

**COMPOST**

# GHG Value: 2014 vs 2015

| Year                                      |                                       | 2014  | 2015  |
|---|---------------------------------------|---|---|
| <b>Calculation Method</b>                 |                                       | <b>Without consideration of co composting plant.</b> Using POME emission factor : 510 kgCO <sub>2</sub> eq/tCPO. And following parameter: 23,339 tCPO; AF 0.887490196 | <b>With consideration of co composting plant.</b> Using cocomposting emission factor (EFB and POME cocomposting) : 10 kgCO <sub>2</sub> eq/tPOME. And following parameter: 57,618 m <sup>3</sup> POME; 23,007 tCPO; AF 0.85 |
| <b>Emission from POME</b>                 |                                       | 452.62  | 21.27   |
| <b>Emission (kgCO<sub>2</sub>eq/tCPO)</b> | <b>Emission from Mill Activities</b>  | 20.47   | 19.67   |
|   | <b>Emission from Estate (highest)</b> | 586.13  | 491.13  |
|   | <b>Emission from Transportation</b>   | 23.82   | 24.17   |
|   | <b>Total Emission to be declared</b>  | <b>1083.04</b>  | <b>556.24</b>   |

Emission Factor based on ISCC 205 GHG Emissions and Calculation Methodology and GHG Audit  
 AF : Allocation Factor

**Thank  
You**