

COUNTRY REPORT

CTI the Sixth Workshop for Asia (at ICETT)

1. Name of participant:

LE THI KIM LIEN

2. Organization to which participant belongs:

VIET NAM PAPER CORPORATION

3. Department and duties:

Viet Nam Paper Corporation, called VINAPIMEX, is one of government organizations belonged to Ministry of Industry. Activities of VINAPIMEX concerned in forestry industry e.g Pulp and Paper ... And I am working in the Technical Management Department of VINAPIMEX. We take care the technical works of mills belonged to us, including environment handling. Environmental work is my assignement mainly: Collect and combine all of reports periodically and annually from mills, in which they are 07 pulp and paper mills to be considered serious for environmental matters. After that, I plan a scheme of handling environmental annually and offer treatments to my superiors . Generally, I play a intermediate position between MOI and mills to transfer environmental information and carry out management schemes.

4. Impressions of the current situations:

I would like to present the current situations of air emission as followed:

Annually the pulp and paper mills emit to air a lot of pollutants including some types: particulates, SO₂, NO_x, TRS, H₂S, Cl₂, ClO₂, VOC.

- To treat particulates, dust our mills use mainly electrostatic precipitators .

And to reduce SO₂, NO_x released from boilers we increase the height of flue gas tube. The other way is to establish a new boiler to reduce the consumption of fuel.

- The current difficulties: During the sulphate pulp cooking the malodorous gas (H₂S) causes smell affected to workers and people living around mills. Bai Bang Paper Company has made some treatments but not effecting.
- To apply the cleaner production to save energy and steam we have just tried to carry out some steps at Bai Bang mill (e.g. power balance) . Now, I have not results yet.

5. Problems, challenges and factors preventing the widespread use of technologies

Generally the technology we has performed is backward, old fashion , so the specific consumption of power, steam, raw material is too high.

Whereas the cost of investment for environment is also too large; it contributes to increase the product cost and we cannot compete with other countries in the region.

Simultaneously to control the amount of air pollutants, we must have the suitable measuring equipments, especially they are advanced technology. Our results of air emission are supplied by the local environmental department.

And the solid waste e.g bark, sludge from sedimentation, solid waste from OCC line can burn to save energy , however we have to discharge because of lacking boiler .