



Project Profile

Odour and Haze Emission Abatement Plan Pulp and Paper Mill, Central Canada



Detailed air emission studies were completed at a Kraft Pulp Mill to identify key odour and particulate emission sources and causes.

Dispersion modelling was carried out on source emission data to determine ambient air impacts.

Various alternatives were investigated to eliminate or reduce the emissions through treatment or process changes.

Preferred options for emission reduction were implemented. Options implemented included:

- changing scrubbing media in existing scrubbers;
- rerouting of emissions to achieve better dispersion;
- retrofit of existing wet scrubber to improving flue gas / scrubbing medium contact;
- treatment of one air emission stream with another waste air stream to neutralize emissions from both;
- pilot trials and installation of a new particulate wet scrubber; and
- modifications to black liquor recovery furnace combustion air and liquor delivery system to improve combustion and thereby emissions.

Services: emission studies, data evaluation, liaison with Ministry of Environment

