

SUMMARY

This report describes results of monitoring chlorine and chlorine dioxide emissions in the bleach plants of four British Columbia bleached kraft pulp mills. The report also includes discussion of workers' exposure, respiratory protection, engineering controls and monitoring equipment.

Interscan chlorine monitors Model LD-34 were used for the study. The monitors were usually installed in pairs. One monitor measured both chlorine and chlorine dioxide, the second monitor had a chlorine scrubber in the air sampling line and measured chlorine dioxide only.