

EVALUATION OF WHITE WATER FOR COMPOUNDS CAUSING ADVERSE HEALTH EFFECTS

FOREST INDUSTRY HEALTH RESEARCH PROGRAM

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The *Forest Industry Health Research Program (FIHRP)* has completed preliminary laboratory work on white water samples from a paper and pulp machine to determine their chemical composition. A preliminary report is now available to members titled "**Evaluation Of Pulp And Paper Machine White Water For Compounds Causing Adverse Health Effects**". To request a copy, phone **Agi Lee** at the Pulp and Paper Forum at (604) 777-1533, send a fax to (604) 777-1567 or E-mail: alee@paperforum.com. Non-members of the Forum may be charged for the reports.

Furnish used at the paper or pulp machines is comprised of wood constituents and chemicals added throughout the pulping process. In addition, various compounds such as biocides, sizing agents, dyes and pitching agents are added at the wet-end of the paper making process.

The objective of the preliminary phase of this study was to perform some analytical work on white water streams from one pulp and one paper machine. Following the analytical work, a target compound would then be selected to assess workers' dermal exposures at the pulp and paper machines.

This report provides analytical results and discussion for the following compounds: phenolics, resin acids, aldehydes, and terpenes.

The next phase of the project is now underway. Field work at the two mills will tentatively take place in late spring or early summer and a final report with workers' dermal exposure assessments will be available in the fall of this year.

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