

WOOD PRESERVATIVE CHEMICAL WASTES DISPOSAL REGULATIONS

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This presentation will address two topics. These are:

- The waste management regulatory rules which apply to the Wood Preservation Industry today.
- New future regulations which may be forth coming.

Regulatory Rules in Place Now

Disposal of all wastes is subject to the provisions of the Waste Management Act. It is important to note that disposal and other management aspects of some of the Wood Protection wastes, the wastes which are more threatening to the environment are subject to the provisions of the Special Waste Regulation.
(Special Wastes.)

Non Special Wastes:

Treated wood products that become wastes are not classified as special wastes. These might include treated lumber, fencing, rail ties, or landscaping materials. The disposal options for non-special wastes are:

- **Reuse** - Treated wood wastes can be reused as fencing or landscaping materials.
- **Landfill** - Treated wood can be landfilled when approved by a regional waste manager.
- **Incineration** - Treated wood may be burned in an incinerator authorized under the provisions of the Waste Management Act. No open burning of treated wood or wood waste is allowed.

Special Wastes:

Those wastes generated in the wood protection/treatment facilities classified as special wastes are:

- shavings and trimwastes from the treatment process itself,
- wood protection/treatment chemical sludges, and
- wood preservative and antisapstain chemical containers,.

The **disposal options** for special wastes are:

- **Recycle** - Wherever possible, chemical wastes should be recycled for use as wood preservative chemicals.
- **Reuse** - Chemical containers preferably should be returned to the chemical vendor for reuse.
- **Secure landfills** - Chemical containers, dry sludges and treated wood wastes may me disposed only at authorized **secure** landfills.
- **Approved landfill** - After a chemical container is emptied and rinsed 3 times, it can be recycled or disposed in an approved landfill.
- **Incineration at a special waste incinerator** - Wood preservative chemical wastes including liquid sludges, shavings, trims and containers may be incinerated in a special waste incinerator provided conditions specified in the Special Waste Regulation are met.
- **Incineration at a pulp mill power boiler** - When the concentrations of PCP are less than 500 ppm, sludges or treated wood wastes are allowed to be burned in a pulp mill power boiler subject to various conditions.

Management of Special Wastes also includes:

- generator registration,
- storage permits,
- transportation manifests, and
- licensed transporters.

Future Regulations

B.C. Environment is planning to develop a new regulation tailored specifically to the Wood Preserving Industry. The format will likely be similar to that of the Antisapstain Chemical Waste Control Regulation which was introduced in 1989. Indeed, it is possible that there may simply be a renaming of the above regulation and add a section

to it to encompass regulation of the Wood Preserving Industry waste management practices.

It is envisioned that the new regulation content will as a starting point, be based on the Code of Practice (Recommendations for Design & Operation) booklets released for the Wood Preserving Industry by Environment Canada in 1988.

The regulation development will also consider the findings and recommendations of a March, 1992 report of a provincial & federal study of operational practices and environmental discharge from Wood Preservative facilities in the Lower Mainland. The most challenging issue will likely be the matter of toxic stormwater runoff from facility sites.

- Status of Developing New Regulation

No work has actually started on the new regulation. The work plan includes initiating the project in the new fiscal year (April, 1994). Subject to budget B.C. Environment will consult fully with the Wood Preservatives and Protection Industries and other stakeholders, at the start of the project and along the project time line.