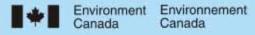
Wood Preservation Sector Strategic Options Process Update

Curtis Englot Environment Canada

Great Lakes Binational Toxics Strategy BaP/HCB Workgroup Meeting

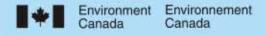
December 6, 2006





Summary

 Environment Canada has been working to reduce the impacts of CEPA Toxic substances used by the Wood Preservation Sector since 1999 through a process referred to as the Wood Preservation Sector Strategic Options Process (SOP).





CEPA-toxic Substances

CEPA Toxic Substance	Wood Preservative
Chromium VI	Chromated Copper Arsenate (CCA)
Inorganic arsenic compounds	Ammoniacal Copper Zinc Arsenate (ACZA)
Polycyclic Aromatic Hydrocarbons (PAHs),	Creosote
Creosote-impregnated waste materials	
Polychlorinated dibenzodioxins (Dioxins)	Pentachlorophenol (PCP)
Polychlorinated dibenzofurans (Furans),	
Hexachlorobenzene (HCB)	



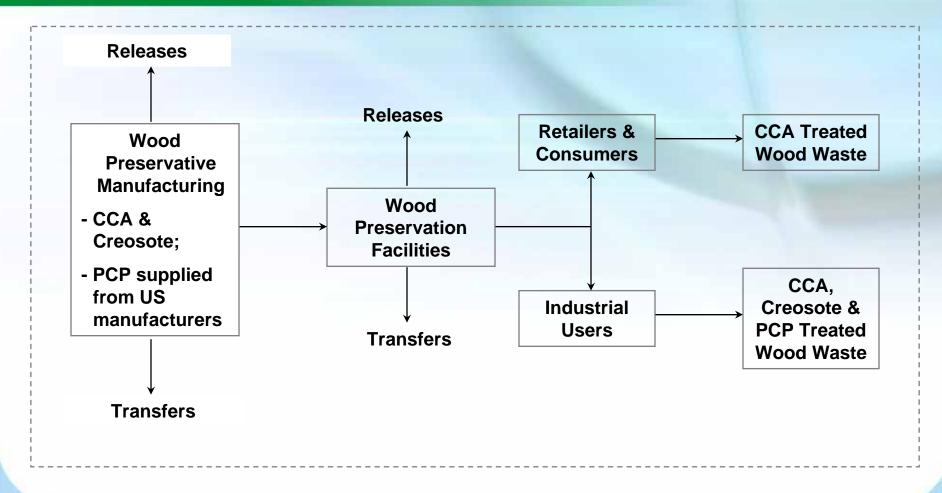


Summary

- Environment Canada has been working to reduce the impacts of CEPA Toxic substances used by the Wood Preservation Sector since 1999 through a process referred to as the Wood Preservation actor Strategic Options Process (SOP).
- Risk management efforts associated with the sector include all phases in the life-cycle of treated wood; i.e. chemical production, treatment of wood, use of treated wood, and final disposal.













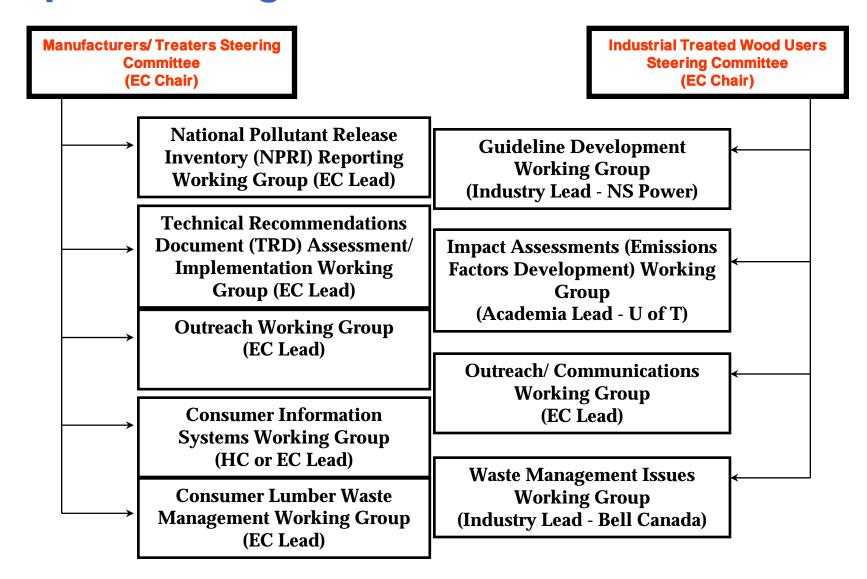
Wood Preservation Strategic Options Process (SOP)

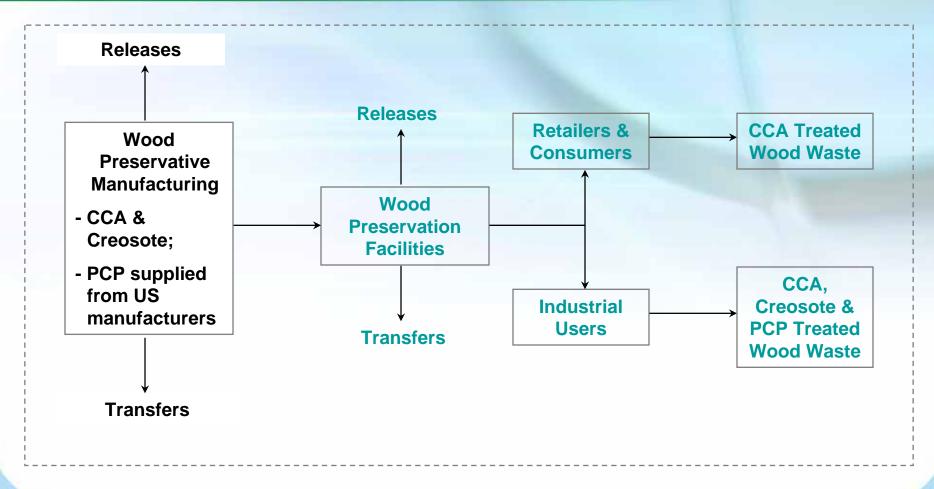
- SOP initiated December 1994 with Extensive Consultations
- July 1999 Consultation Report
- 25 Recommendations
 - General (PMRA and provinces)
 - Wood preservative manufacturing
 - Wood preservation facilities
 - Treated wood use (industrial & consumer-based)
 - Management of treated wood waste





Implementing the Recommendations





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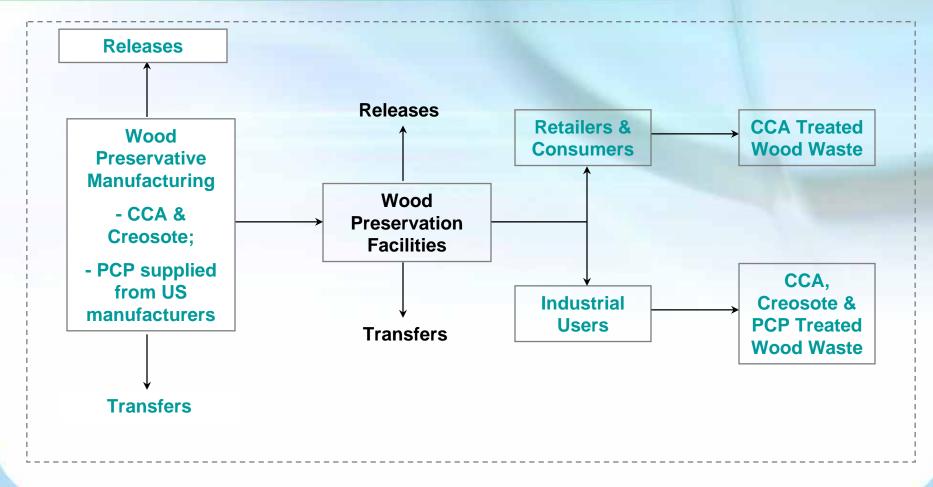


Preservative Manufacturers

- Already covered by other regulatory mechanisms; i.e. NPRI, provincial licensing, etc.
- No significant new actions.
- Manufacturers have been very supportive in SOP process working with treaters and retailers.

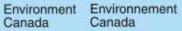






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Great Lakes Binational Toxics
Strategy Meeting





Wood Treatment Facilities

- Implementation of TRDs.
- Initiated in 2000 with Assessment 2000.
- Implementation plans submitted by Dec. 31, 2001.
- Annual Reporting by Dec. 31 of every year.
- Random Audits every year.
- Deadline to comply Dec. 31, 2005.
- Final Audits now completed.
- Wood Preservation Canada Certification Program continuing program.





Wood Treating Plants in Canada

Region in Canada	No. of Plants 2000	No. of Plants 2006
Atlantic Region (NS, NB, NF)	5	4
Quebec Region (QC)	12	10
Ontario Region (ON)	18	13
Prairie and Northern Region (AB, SK, MB)	17	15
Pacific and Yukon Region (BC)	16	15
TOTAL	68	57

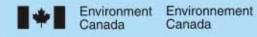
- 10 facilities have closed (15%)
- 2 mothballed (3%)





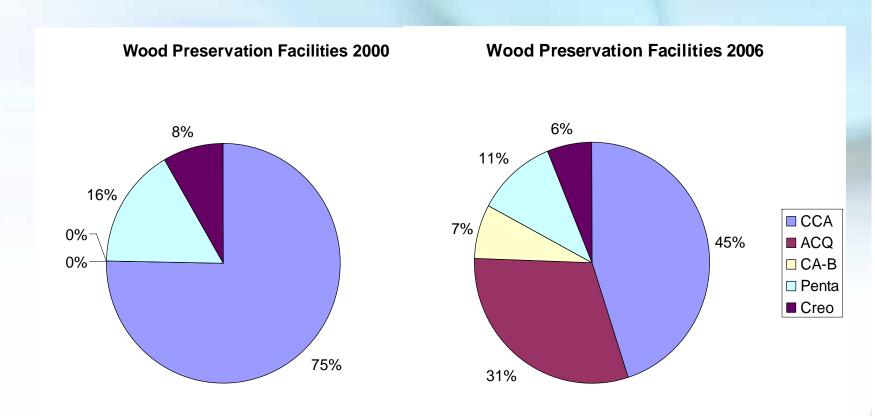
Preservative Use in Canada

	Cylinders				Facilities			
Preservative	2000		2006		2000		2006	
CCA	105	80%	54	38%	64	75%	44	45%
ACQ	0	0%	51	36%	0	0%	30	31%
CA-B	0	0%	10	7%	0	0%	7	7%
Penta	16	12%	16	11%	14	16%	11	11%
Creo	11	8%	10	7%	7	8%	6	6%
Totals	132	100%	141	100%	85	100%	98	100%

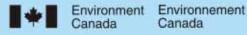




Preservative Use in Canada



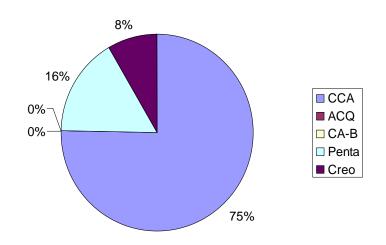
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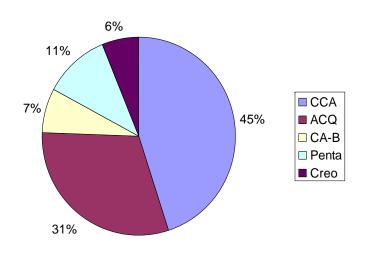




Wood Preservation Facilities 2000

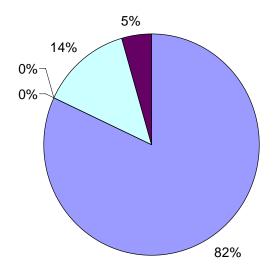
Wood Preservation Facilities 2006

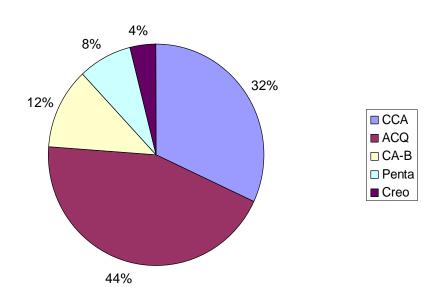




Ontario Wood Preservation Facilities 2000

Ontario Wood Preservation Facilities 2006





Implementation of the TRDs

Assessment 2000

- Average score = 65%
- Range = 32 90%

Final Audits 2006

- Average score = 89%
- Range 56 99%

Getting There

- 5 in P2 process (7%)
- 4 candidates for new P2 process (total 13% P2)
- 45 facilities (66% original, 76% current) currently entering Canadian Wood Preservation Certification Authority Program.
- NPRI reporting cannot quantify release reductions from improvements.







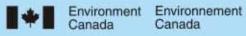
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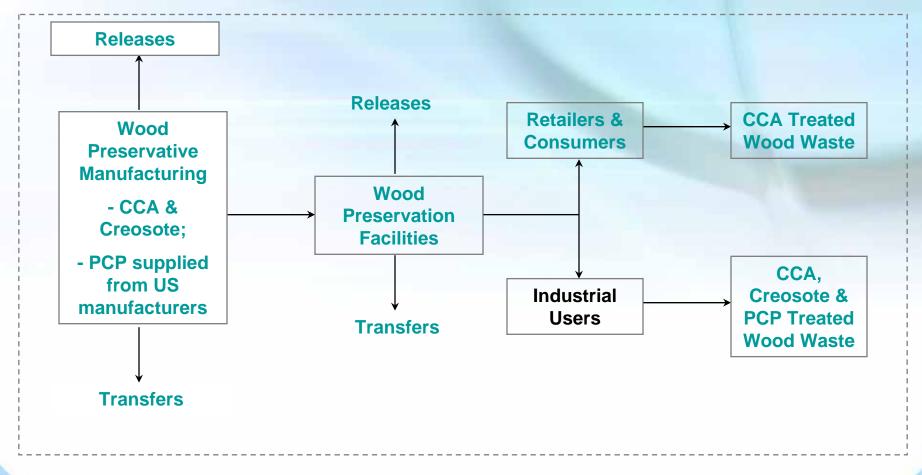


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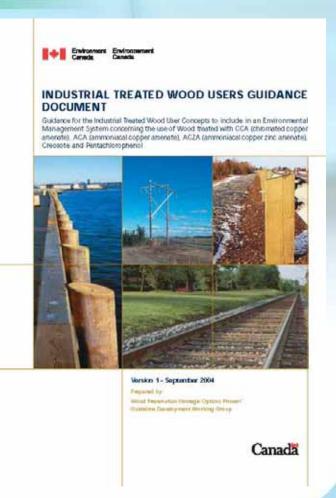
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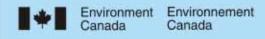




Industrial Users of Treated Wood

- Developed Industrial Users Guidance Document (UGD).
- Distribution Ongoing.
- Voluntary implementation by Users.
- Conducted survey of users.
- Most seem to be applying principles.







Industrial Users of Treated Wood

- The Users Guidance Document (UGD) is designed to promote environmentally responsible management of the purchase, use, storage and disposal of treated wood.
- Not meant as a prescriptive document, but as a flexible tool to allow users to meet the recommendations.
- Target audience includes railways, power utilities, phone companies, and government department users of treated wood (such as transportation, fisheries and natural resources departments).





Industrial Users of Treated Wood

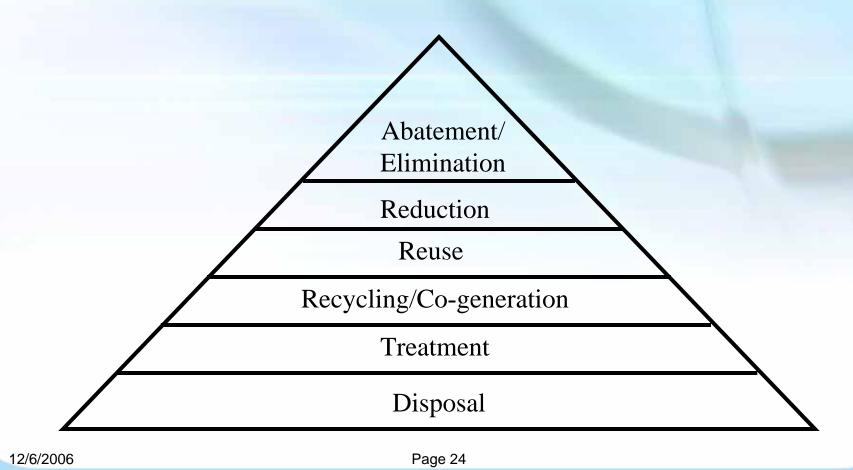
Key messages:

- 1. Ensure new wood has been properly treated; i.e. only buy from certified plants.
- 2. Ensure proper storage.
- 3. Ensure mitigation measures are used during installation.
- 4. Ensure waste management as per waste hierarchy.

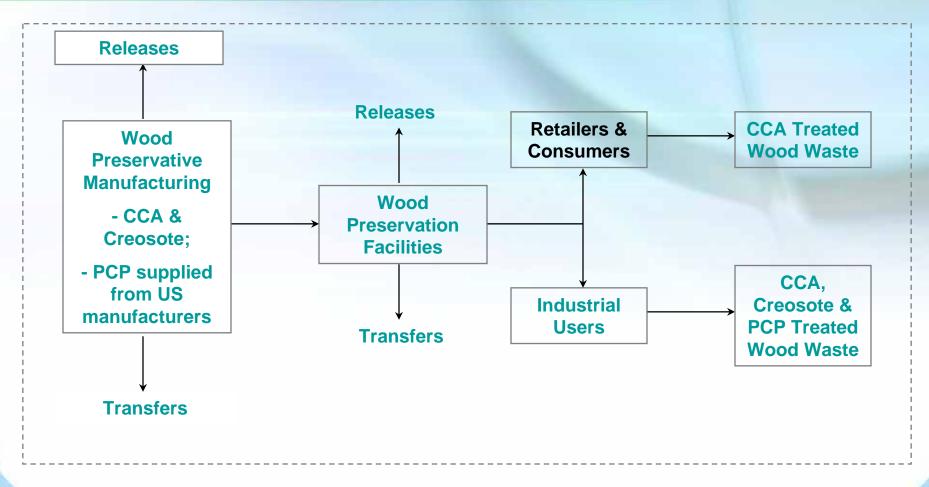




Waste Hierarchy

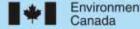


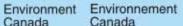




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Retailers and Consumers

- Treated wood labelling program.
- Retailers have agreed to support certification program.



SAFE HANDLING INFORMATION FOR CCA PRESERVED WOOD

CAUTION: ARSENIC IS IN THE PESTICIDE APPLIED TO THIS WOOD

- NEVER BURN TREATED WOOD
- WEAR DUST MASK & GOGGLES WHEN CUTTING OR SANDING WOOD
- WEAR GLOVES WHEN WORKING WITH WOOD

ASK FOR THE CONSUMER SAFETY INFORMATION SHEET OR CALL 1-866-679-0957 • WWW.CCASAFETYINFO.CA

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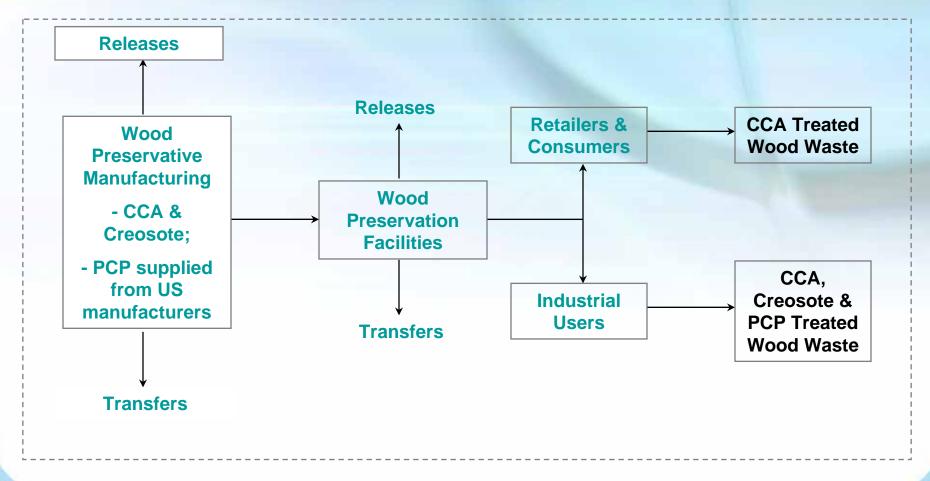
Environnement

Canada



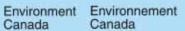






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Great Lakes Binational Toxics
Strategy Meeting



Waste

Challenges:

 Consumer waste - sorting from non-treated wood.

Best disposal method; i.e. concentrate toxics or

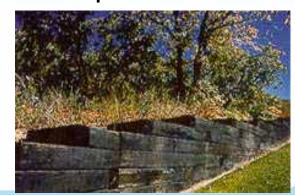
dispose of diluted.



Environment Environnement

Waste

- Adoption of preferred methods; i.e. NIMBY.
- Hazardous waste classification clarified; i.e. industrial waste captured by E/I & Interprovincial hazardous waste regulations.
- Industrial users more aware and managing carefully; i.e. not selling used ties to public.





Questions?

