

# **Environmental Performance of Treated Wood Research Cooperative**

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**Objective 1:** *Develop Fundamental Data on Preservative Migration from Wood*

- The Best Management Practice (BMP) verification test is nearly complete.
- This study was initiated to determine if there were differences in preservative migration between matched wood samples treated with the same chemical and either exposed directly or subjected to one of the BMP processes prior to exposure.

**Objective 2:** *Develop Standardized Accelerated Methodologies for Assessing Treated Wood Risks*

- While an array of BMP processes are allowed for the various preservatives listed in the BMP's, there are very few data on the comparative effects of the processes on metal losses.
- This information could be used to identify methods for improving the BMP's.

**Objective 3:** *Work Cooperatively to Develop and Improve Models to Predict the Risk of Using Treated Wood*

- The final report by Dr. Robert Perkins at the University of Alaska on the effects of creosote treated wood on development of herring eggs has been published.
- The results were consistent and showed that, while PAH's could produce effects on herring egg development, the levels found in the natural environment were an order of magnitude below the levels that produced any measurable effects.

**Objective 4:** *Identify Improved Methods for Reducing the Potential for Migration*

- The studies undertaken to evaluate the effects of the various BMP's on metal migration from ACZA,CA and ACQ treated Douglas-fir lumber have provided valuable information on the effects of the BMP's on metal migration from wood treated with the various preservative systems
- We intend to use these data to explore improved methods for reducing metal losses

**Objective 5:** *Evaluate the environmental impacts and identify methods for reuse, recycling and/ or disposal of preservative waste wood taken out of service*

- No work has been undertaken under this objective although we are in the midst of a utility pole disposal survey and this process might be easily extended to West Coast Port and Harbor facilities.

**Objective 6:** *Deliver Educational Outreach Programs on the Proper Use of Treated Wood in Relation to the Best Management Practices*

- 6 workshops with WWPI on the use of the Risk Models for Using Treated Wood in Aquatic Environments.
- The workshops were primarily directed at Federal Agency staff who were trying to use treated wood and were intended to help educate them about both the full model developed by Dr. Kenn Brooks and the screening criteria developed as an addendum to this model.