

**BRINGING IT TO
THE FLOOR:
Scanwood's
Experience
with Eco-efficiency**

**Scanwood
Canada Ltd.**

**Dartmouth, Nova
Scotia**



SCANWOOD CANADA LTD

- **Scanwood** Canada Limited is a company within the Scanwood Group, a major supplier to IKEA. They manufacture board furniture for distribution and sale throughout North America, employing approximately 200 employees at the Burnside Plant
- Have expanded twice in 10 years

SUSTAINABLE ENTERPRISE

- Starts with corporate commitment
- Adoption of environmental policy
- Development of an environmental management process
- Implementation of an action plan
- Measure, track, revise
- Emphasize continual improvement

CORPORATE COMMITMENT

- Commitment to the environment provides the framework
- Top down commitment provides the start
- Group responsibility gets it going
- Communication keeps it relevant
- Employees make it work

ENVIRONMENTAL PRINCIPLES

- **Products** environmentally adapted, including: raw materials, production, use and disposal through reduction, recycling, and reuse
- **Processes**-storage, manufacturing, distribution- done in an environmentally sound way
- **Personnel**-informed, trained, involved

ENVIRONMENTAL PROCESS

- Build on established techniques (e.g.: Environmental Management Systems, Natural Step, Eco-Business Program)
- Adapt and modify as needed to fit the company and its operations
- Create an environmental team from management and workers throughout entire operations

ACTION PLAN - OBJECTIVES

- Reduce energy consumption
- Reduce raw material usage
- Increase recycling and use of recycled materials
- Promote awareness and training

REDUCE ENERGY

- **Target:** Replace existing lighting with more efficient system – August, 2000
- **Solution:** Purchase and install halogen lights for plant wide use
- **Costs:** \$85,000
- **Benefits:** Better lighting; decreased use of fluorescent bulbs
- **Status:** Completed 2000

REDUCE ENERGY

- **Target:** Replace lacquer topcoat system with a UV dryer system - August, 2000
- **Solution:** Install UV lamp drying for new UV Roller System
- **Capital Investment:** \$1,000,000
- **Benefits:** Reduced emissions of solvents and waste paint dust
- **Status:** Completed 2000

REDUCE ENERGY

- **Target:** Combust UV dust with wood dust and chips - September, 1999
- **Solution:** Upgrade dust collection system
- **Capital Investment:** \$100,000
- **Benefits:** Improved working conditions; reduced energy costs (70% reduction)
\$30,000/yr savings
- **Status:** Completed

REDUCE ENERGY



REDUCE MATERIAL

- **Target:** Develop and incorporate procedure to reduce packaging - May, 1999
- **Solution:** Develop survey for new sub-contractors; environmental team studying present suppliers for excess packaging
- **Capital Investment:** None
- **Benefits:** Reduced landfill disposal and fees
- **Status:** Ongoing

REDUCE MATERIALS

- **Target:** Reduce amount of rejects from regular machining and top coating
- **Solution:** Training for operators
- **Capital Investment:** None
- **Benefits:** Less than 1% rejection rate
- **Status:** Machining, 20% -December 2000;
Finishing-80% by October, 2000;

REDUCE MATERIALS



RECYCLE

- **Target:** Recycle 100% of metal strapping
- May, 1999
- **Solution:** Purchase a cutter for the strapping to decrease the volume; identify a market for the waste stream
- **Capital Investment:** \$3200
- **Benefits:** Previously to landfill - now get \$10/t; ship only full containers
- **Status:** Completed June, 1999

PROMOTE AWARENESS

- **Target:** Train all employees on Scanwood environmental practices and procedures - December, 2000
- **Solution:** Implement training program in association with Scanwood International
- **Costs:** Personnel time
- **Benefits:** Employee awareness of and commitment to Environmental Program
- **Status:** Completed - March, 2001

PROMOTE AWARENESS

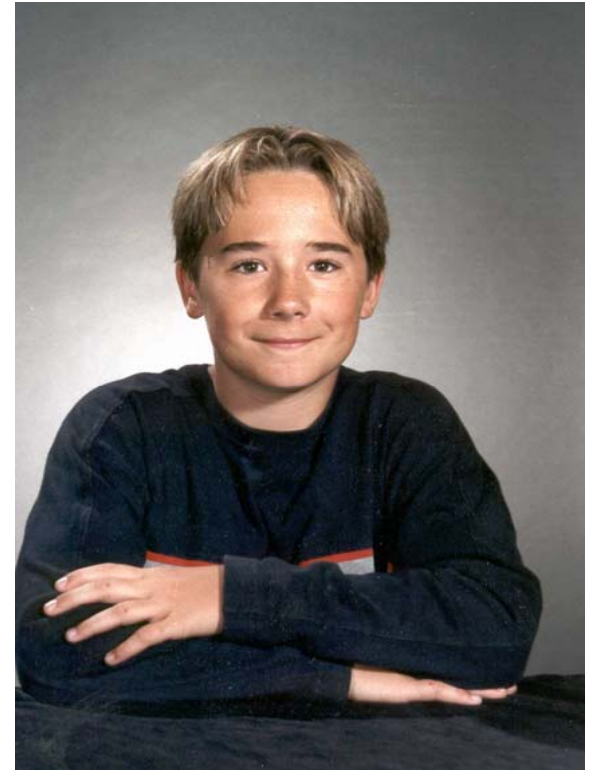


MEASURE, TRACK, REVISE

- The Environmental Team
- Quantify success (and failure!!)
- Audit progress
- Revise as necessary
- Advertise, inform staff, managers, public

THE FUTURE

- Continually evaluate the program
- Move beyond “factory fence”-discussions with suppliers, haulers, contractors, etc
- Stay involved with others in the community
 - Burnside Industrial Park, Halifax Regional Municipality, Nova Scotia



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