

Greif Packaging LLC

- Paper Mill is Located in Amherst Co.
- Wholly Owned by Greif Inc. – Ohio
- 1,500 Acre Mill Site on the James River
- 2002 Winner of the Governor's Environmental Excellence Award

Products Manufactured

- 810 Tons per Day Semi-chem Corrugated Medium
- 465 Tons per Day Recycle Liner Board
- 70 Tons per Day Compost

General Information

- 283 Full Time Employees
- Annual Payroll w/Benefits - \$26,900,000
- Annual Recycle Fiber Cost - \$31,200,000
- Annual Wood Purchase - \$12,400,000
- Amherst Co. Property Taxes - \$1,010,000

Process Description

- Wood and Recycle Fiber Procurement per Day - 300 Cords of Wood and 750 Tons of Old Corrugated Container (OCC)
- Woodyard Debarks and Chips Logs
- OCC Facility Pulps and Cleans OCC
- Pulp Mill Converts Wood Chips to Fiber
- Paper Machines Convert Fiber to Paper

Support Processes

- Chemical Recovery – Evaporators and Recovery Boiler Convert Pulp Mill Washings to Energy and Cooking Chemicals (Na_2CO_3 & NaOH)
- Power House – Burn Fuel to Produce Steam
- Wastewater Treatment Plant – Clean 6.5 MGD Wastewater Prior to Discharge
- Landfill – Dispose of Unrecoverable Solid Waste

Environmental Regulations

- Federal – Clean Air Act, Clean Water Act, Resource Conservation Recovery Act, Emergency Planning Community Right to Know Act, Safe Drinking Water Act
- State – Air, Water, Solid Waste, Drinking Water Rules and Sewage Disposal
- Local – Erosion Control, Zoning

Environmental Permits

- Virginia Pollutant Discharge Elimination System – VPDES
- Title V Air Operating
- Solid Waste Management Facility
- Drinking Water Supply/Distribution System

Pollution Controls

- Activated Sludge Wastewater Treatment Facility for Removal of BOD, TSS, N, P, Color & pH Control
- Compost Facility for Production of a Safe and Beneficial Byproduct
- Electrostatic Precipitators for Removal of Particulate Matter from Boilers

We Were Green Before Being Green Was Cool

- All Fiber Used Is Renewable or Recycled
- Sustainable Forestry Practices Are Used
- 55% of Steam is Generated from Biomass
- 65% of Residuals Are Converted to Compost or Used as Fuel
- Only 45 Tons/Day of Solid Waste Generated which Equals a Raw Material Utilization Rate of > 97%

Future Green Opportunities

- Reduce Fossil Fuel Use Further by Combusting Wood Waste Residuals
- Install Anaerobic Digester at the Wastewater Treatment Facility
- Reduce Solid Waste Generated through New Fiber Cleaning Technologies
- Improve Energy Efficiency through New Technologies (VFD, Press Section)