

## **GENERAL PRINCIPLES**

Lake County Press (LCP) maintains an extensive and comprehensive program to recycle our waste paper, corrugated cardboard, metal plates and un-used inks. This program is driven by two distinct but equally important motivations. First, we firmly believe as a company and corporate citizen of the community, we have a responsibility to be environmentally conscious and compliant.

We also firmly believe that combining this policy of recycling with good housekeeping habits throughout our entire facility enables us to maintain a clean internal environment within our plant as well, which we have found to be a boost to overall morale. Our employees appreciate and enjoy their clean workplace and are very proud of it.

## **MAKING A MARK**

LCP produces an average of 8500 printed projects every year, nearly all using inks from our innovative in-house ink supplier. We are one of the first printers to use process color inks formulated without petroleum solvents. With few exceptions, over 80% of our inks are formulated using 100% vegetable oils; the remaining 20% use energy curable chemistry. This means that our printing inks, conventional and UV emit zero VOC's (volatile organic compounds).

Our ink program employs a unique software application which analyzes the ink's formulation and calculates the proportion of base colors that should be added to create a new color for a new project. We are able to utilize 100 percent of our ink overages by this process.

## **RECYCLING**

LCP has instituted company-wide recycling. This not only includes office recycling but we have also moved this initiative onto our manufacturing materials as well. LCP has partnered with Combined Resources Inc. (CRI) to evaluate plant-wide materials that we send to recycle facilities, keeping them out of our solid waste stream and reducing our impact in landfills. LCP and CRI team members meet on a semi-annual basis to re-evaluate current and potential recyclable products.

## **WATER CONSERVATION**

The principle of lithography requires the precise balance of two elements, ink and water. The ink transfers to the sheet while the water along with its chemistry continually returns to the printing plate throughout the process. LCP recognizes the importance of not wasting this precious resource and has built custom multi-station filter systems that are installed on all of our large format machines. These filter systems not only preserve the purity of the water used in our process but also reduced our replenishing schedules up to 65%, saving over 9000 gallons of water annually.

## **WASTE to ENERGY PROGRAM**

LCP partners with HAZCHEM Environmental Corporation for our Waste to Energy Program. LCP utilizes 2 distinct waste streams with our Non-Hazardous Waste. The first waste stream is our Waste to Water Treatment Technologies and Beaver Oil; this consists of used machine lube oil along with non-hazardous used fountain solution. Water Treatment Technologies and Beaver Oil are a licensed waste water treatment facility that through the process of treatment eliminates any suspended solids enabling discharge of clean waters into the Metropolitan Sanitary District and landfilling as municipal waste any collected solids.

The second waste stream is our Waste to Tradebe; this consists of used coatings, used cleaning solutions and used ink. Tradebe adheres to the Responsible Recycling Hierarchy. Tradebe sends the processed waste products to permitted RCRA/BIF cement kilns located across the country, or to Norlite Corporation, their subsidiary located in Cohoes, NY. All cement kilns serviced by Tradebe meet the Maximum Achievable Control Technology (MACT) combustion standards. The combustion of organic hazardous wastes at high temperatures in cement kilns is the Best Demonstrated Available Technology (BDAT) for treating high BTU hazardous or non-hazardous wastes.

Tradebe's subsidiary, Norlit Corporation, operates two high-temperature rotary kilns that use recycled fuels and other recoverable products to produce a lightweight aggregate that is used in bridges, buildings, specialized fill, and growing media for green roofs. Norlite achieves 99.9995% destruction removal efficiency on the most difficult to incinerate organic materials. Processes are in place at Norlite to ensure the integrity of the waste storage tanks and kiln system. Operating conditions are constantly monitored to ensure that fuel is burned completely. In addition, emissions are carefully monitored, controlled and treated to prevent air pollution. Norlite sets the standard found in the new hazardous waste combustor MACT regulations for lightweight aggregate kilns.

## **ENVIRONMENTAL PARTNERS**

Lake County Press partners with a broad range of organizations interested in promoting environmental stewardship. Not only do we benefit from sharing knowledge, information, and expertise, but also through third party certifications, consumers can compare claims from different manufacturers to be sure that these claims are consistent, accurately measured, and verified by outside, impartial organizations.

***NEPCon:*** NEPCon is a non-profit organization working to support better land management and business practices that benefit people, nature and the climate in 100+ countries. NEPCon sets high standards that ensure forestry is practiced in an environmentally responsible, socially beneficial, and economically viable way. Lake County Press is proud to be FSC Certified through NEPCon since 2005.

***Combined Recycling, Inc.:*** Combined Recycling, Inc. (CRI) has been a successful recycling partner in the industry for over 30 years. Understanding the importance of recycling paper waste, cardboard, plastic, and pallets, CRI provides affordable, innovative, and resourceful recycling services for your office or business. We develop a customized recycling service, program, and strategy to reduce your company's carbon footprint and set you on the path to efficiencies that deliver measurable and lasting results to your sustainable objectives.



Brand Meets World

## **CONTINUAL IMPROVMENTS:**

Lake County Press continues to invest in the newest technology available in our industry, and with those investments, our commitment to sustainability increases as well. Our newest presses conserve both materials and energy. Innovations in design and efficiency with UV technology reduce energy usage up to 20% by closer placement of the UV lamps to the sheet. Wash-ups on our new UV presses are more efficient also, achieving better, cleaner results while reducing VOC emissions.

Lake County Press is:

- reducing our impact on the environment so our customers can too
- supporting responsible forestry and participating in third-party certification programs
- expanding recycling program
- conserving energy
- conserving water

Every effort has been made to ensure that the information contained herein is true and accurate at the time of printing.