

## 2015 Annual Report for WDNR Green Tier Program

SERVICE LITHO-PRINT, INC. 50 W. FERNAU AVE. OSHKOSH, WI 54901

### Background

Service Litho-Print, Inc. (SLP) in Oshkosh, WI received formal approval into the Wisconsin DNR Green Tier 1 program on September 3, 2014. SLP is a specialty printing company. The facility currently employs 43 people at a 38,000 square foot facility.

### Environmental Management System (EMS) audit report

SLP recently completed a formal EMS. The EMS was written to comply with each of the 15 requirements in Wis. Stats. 299.83(1)(dg) as a functionally equivalent environmental management system. The first internal audit is scheduled to be completed by February 1, 2016.

### Progress on Environmental Goals and Objectives

SLP started tracking our Natural Resources in July, 2012. At that time, we researched historical numbers back to 2008, which has become the annual baseline for our metrics. Data has been collected monthly since July, 2012. Our first year in the Green Tier program has been focused on implementing our EMS. The EMS will be a critical component for all Sustainability initiatives moving forward.

When we joined Green Tier in 2014, we committed to focusing on three primary objectives.

**1. To reduce the use of natural resources by reducing energy consumed.**

SLP tracks Electricity and Natural Gas usage. Our goal is to reduce usage through process improvements, equipment monitoring and when feasible, system upgrades. It takes a team effort to achieve significant impact. Air leak audits, preventative maintenance programs, motion lights, and lighting upgrades have been the driving force of our efforts to date.

Electricity and Natural Gas Tracking:

	Electricity (kWh)	Per Associate Hour	Natural Gas (Therm)	Per Associate Hour
2008	1,878,000	18.12	7,081	0.07
2009	1,859,400	20.00	11,233	0.12
2010	1,634,080	18.73	11,526	0.13
2011	1,390,816	17.19	16,462	0.20
2012	1,539,909	18.57	13,199	0.16
2013	1,510,749	18.39	17,460	0.21
2014	1,373,188	17.82	19,557	0.25

**NatureWise (ongoing initiative)**

In addition to onsite initiatives, SLP joined NatureWise, a Wisconsin Public Service program, in December, 2009. NatureWise is a voluntary program that allows SLP to purchase renewable energy, including energy from wind, solar and biomass. These renewable resources replace some of the electricity generated from other fuels, including coal and natural gas. In 2014, SLP purchased 30,000 kWh (2.19% of total Electricity used), which calculates to 41,400 lbs of CO<sub>2</sub> prevented from being released to the atmosphere\*.

**2015-2016 Objective**

- a. Establish a better understanding of opportunities to reduce electricity usage
- b. Reduce Electricity usage by 3%

\* EPA Website

**2. To reduce overall waste generation, specifically make-ready and run waste**

During the process of writing and implementing the EMS, we determined that objective #2 should be edited. The ongoing objective moving forward is **“To reduce overall waste generation”**. This will still include a focus on make-ready and run waste; however, it expands the objective to include other waste streams in the facility.

Recycling and Landfill Tracking:

	Recycled Material (lbs)	Per Associate Hour	Landfilled Material (lbs)	Per Associate Hour	Hazardous Waste (lbs)	Per Associate Hour
2008	407,540	3.93	149,645	1.44	11,440	0.11
2009	759,600	8.17	149,645	1.61	5,460	0.06
2010	673,940	7.72	127,822	1.46	6,597	0.08
2011	607,000	7.50	87,293	1.08	4,840	0.06
2012	808,740	19.10	74,822	1.76	6,432	0.08
2013	428,380	5.22	74,822	0.91	7,920	0.10
2014	450,520	5.85	74,822	0.97	5,720	0.07

The effort to reduce waste due to production is synonymous with the effort to reduce color corrections on press. Color corrections on a job produce more plates and use more make-ready stock. Reducing the number of color corrections will reduce waste. In 2014, we implemented a Process Improvement Team to specifically address color corrections. We have not seen a significant improvement to date; however, we have established new processes and tracking systems that continue to move us in the right direction.

SLP will continue recycling efforts. The recycling program includes offices as well as Production. We will continue to research and strive for 100% recycling on Production materials.

**2015-2016 Objective**

- a. Improve Waste Management – identify and understand our waste streams better. Track landfill waste better.
- b. Continue process improvement efforts in Production to reduce make-ready and run waste due to color corrections.

**3. To reduce carbon footprint by increasing use of SmartWay® Transport carriers and developing metrics to measure total carbon emissions**

SLP continues to utilize SmartWay® Transport carriers for all trucking services that we have control over.

As SLP just finalized the EMS for submission, we have not yet fully achieved the objective to develop metrics to measure total carbon emissions. We currently track VOC emissions, electricity usage and Green House Gases; however we have not finalized which metrics we will track to accomplish measurable goals to reduce Carbon Footprint. The Sustainability Team will continue to research which metrics will best work with our facility and finalize this objective for 2015-2016.

VOC tracking:

	VOC (lbs)	Per Associate Hour
2008	14,526	0.140
2009	19,290	0.207
2010	17,193	0.197
2011	11,846	0.146
2012	16,436	0.198
2013	13,798	0.168
2014	12,634	0.164

The majority of VOC’s released at our facility come from Press Chemicals. The majority of CO<sub>2</sub> released comes from electricity use (see objective #1).

**2015-2016 Objective**

- a. Finalize metrics to measure total carbon emissions
- b. Establish a measurable goal to reduce total carbon emissions