

## Project Overview

### Industrial Assessment Team Leader

**Intern:** Dean Herl

**Major:** Industrial Engineering

**School:** Kansas State University



### Summer Projects

**American Meter:** A reassessment was conducted of previous work and recommendations related to the installation of an alternative sprinkler system and secondary containment for oil tanks.

**Omaha Veterans Administration Hospital:** A reassessment was conducted of previous work to determine implementation of recommendations related to LED Exit signs and a battery recycling program.

**Telesis, Inc.:** A greenhouse gas (GHG) emissions assessment was conducted for Telesis Inc. This project also included the development and immediate implementation of a system to continue to monitor and track emissions.

**Lincoln Composites:** A hazardous materials (hazmat) training program was developed for Lincoln Composites. The program included basic pollution prevention (P2) training for all employees. All hazmat and spill prevention documents were also updated.

**Appleton Electric:** Alternative methods of removing excess powder coating from parts racks were examined to allow Appleton to cease using an incineration oven for cleaning. The goal of implementing an alternative cleaning process is to reduce regulatory burden and operating costs.

Table 1 below outlines cost savings and other potential P2 benefits of these projects.

**Table 1: Pollution Prevention Opportunities and P2 Benefits**

Pollution Prevention Opportunity	Cost Savings	Other P2 Benefits
Monitor GHG emissions	\$10,000	-Allows for GHG emission reduction -Become leader in green thinking
Implement employee training	\$500	-Familiarizes all employees with P2 -Reduce employee exposure to toxins
Eliminate bake-off oven	\$20,000	-Reduce regulatory burden -Reduce potential for burns -Reduce natural gas consumption