**Advanced Web Technology Labels & Packaging, Minneapolis**

**Joshua Kirk**

*Environmental Engineering, University of Minnesota*

Michelle Gage, MnTAP advisor

---

**Organization**

AWT Labels & Packaging produces high quality labels and flexible packaging for some of the largest consumer goods manufacturers in the nation.

---

**Intern Project**

Reduce the amount of run waste generated on the four P-series presses, as well as investigate alternative cleaning chemicals with low VOC-content.

---

**Incentives to Change**

Current waste comprises 10% of their total stock used, thousands of tons of material are wasted, and eventually incinerated. Also, many currently used cleaning solvents have high VOC-contents, decreasing the air quality of the Twin Cities.

---

**Solutions**

**Roll Change Standard Work:**
Create the process of changing rolls. Implement best practices into the roll change procedure. Offload non-essential tasks when press is down to when the press is online.

**Substitute Alternative Cleaning Products:**
Standardize the use cleaning solvents, and phase-out VOC-intensive products for EPA Green Circle certified solutions.

**Manually Stop Press at Roll Change:**
Monitor unwinding base stock and manually stop the press when only a few wraps are left, minimizing the amount of remaining stock.