Need More Information? Call:

Gary Young
Polk Coutny Air Quality Engineer
(515) 286-3351

Jeff Gabby
Polk County Air Permit Engineer
(515) 286-3389

Jim McCasland
Polk County Air Quality Specialist
(515) 286-3524

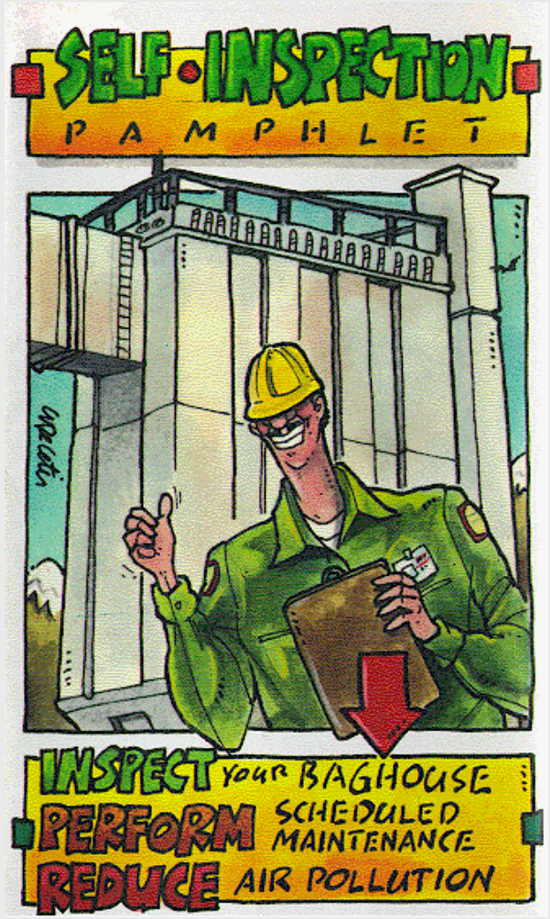
Brent Blanchard
Polk County Air Quality Specialist
(515) 286-2284

Jeremy Becker
Polk County Air Quality Inspector
(515) 286-2263

Jim Voigt
Polk County Air Monitoring Specialist
(515) 286-3392

Linda Sinclair
Public Service Clerk (515) 286-3351

BAGHOUSES



POLK COUNTY AIR QUALITY

A Division of Polk County Public Works

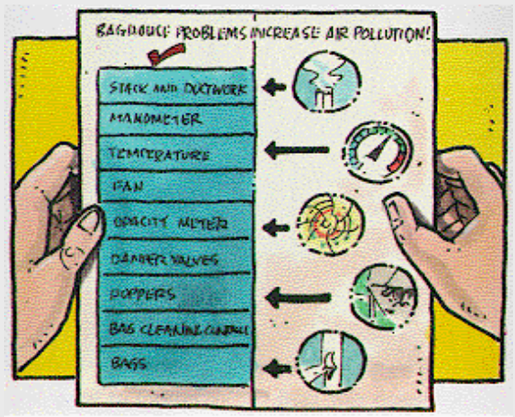
The Problem

One of Polk County's major air pollution problems is **suspended particulate matter** (PM10). These particles, smaller across than a tenth of the thickness of a human hair, are tiny enough to be inhaled into our lungs and remain there, possibly causing long term harm.

A Solution

Baghouses are used to prevent particles created by industrial processes from entering the air. In concept, baghouses work like vacuum cleaners. Particulate in an airstream is filtered out on surfaces of bags housed inside the unit.

Your local air pollution control district adopts regulations that limit maximum particulate outflow and the visibility of emissions from industrial processes. Air district inspectors will inspect your baghouse periodically. **Violations can cost your company money!**



Self-Inspections Cut PM10

Problems with your baghouse can increase PM10 output. Baghouses must be kept in good condition to keep particulate output contained within allowable limits. To do this, baghouses must me inspected and maintained by **plant personnel** on regular schedules. By following your schedule you can help prevent equipment breakdowns and reduce PM10 in the air.

If your baghouse breaks down, call Polk County's Air Quality Division at 286-3376 **right away**. Their breakdown rule may let you keep operating until repairs can be made.

Here's a rule of thumb to tell whether your baghouse is not working well enough:

If your can barely see a continuos flow of particulate from your baghouse stack, your process is probably in violation of the limits.

Your baghouse has a number of items that can affect how well it works. These can be viewd by folding the **Self-Inspection Checklist** (overleaf) as shown to the left. These items should be inspected regularly.

You Can Help!

By posting this checklist you can remind yourself to make these checks. You can also make your own checklists using this one as an example. By inspecting your baghouse, **you** can reduce PM10 levels in the air and avoid Notices of Violation.

BAGHOUSE PROBLEMS INCREASE PM OUTPUT. USE THIS SELF-INSPECTION CHECKLIST TO DECREASE AIR POLLUTION!

Week of:_____

PCAQ Phone No: (515) 286-3351

	SUN	MON	TUE	WED	THU	FRI	SAT	
STACK AND DUCTWORK*								PARTICULATES IN STACK GAS BARELY VISIBLE? LOOK, LISTEN FOR LEAKS IN DUCTS
MANOMETER*								RECORD FABRIC PRESSURE. WATCH FOR TRENDS.
TEMPERATURE*								AIR TOO HOT? OR BELOW DEWPOINT? COOL AIR SUGGESTS LEAKS.
FAN								FAN STATIC PRESSURE NORMAL?
OPACITY METER*								OPACITY TOO HIGH? RECENTLY CALIBRATED? OPACITY TOO HIGH DURING CLEANING CYCLES?
DAMPER VALVES								CHECK ALL ISOLATION, BYPASS AND CLEANING VALVES.
HOPPERS								TOO FULL? BRIDGING OR PLUGGING? SCREW CONVEYOR LUBRICATED?
BAG CLEANING CONTROLS**								PROPER CLEANING SEQUENCE AND CYCLE TIMES? CHECK COMPRESSED AIR LINES AND SHAKERS.
BAGS**								CHECK FOR TEARS, HOLES, ABRASION, PROPER FASTENING, BAG TENSION. REPLACEMENT BAGS ON HAND?