

Animal Food Production

Animal food production (AFP) includes processes which grind and combine grains, soybeans, cottonseed and other plant products into feed for animals grown for food production. Process equipment includes grinders, flakers, presses, hammer mills, pelletizers and baggers.

Emissions of Concern

Major emissions of concern from AFP are: particulate matter (PM) from grinding, flaking, pressing, pelletizing and materials handling; and SO_x, NO_x, HAPs, TAPS and CO emissions from power boilers.

Emission Controls

Common emission controls for AFP include: cyclones and dust collectors for PM; and low NO_x burner and flue-gas recirculation for power boilers. Fugitive PM emissions are also minimized by good work practices.

New Source Review (NSR) & Fees

YRCAA requires that a NSR permit application be submitted and approved prior to the construction, installation, establishment, replacement or modification of air contaminant sources, emissions units or air pollution control equipment in YRCAA jurisdiction. This includes equipment associated with stationary or portable devices or any part of such a device that emits or has the potential to emit any air contaminant, including AFP. There is a NSR permit application fee, and an Order of Approval fee, based on the staff time to conduct the review and draft the Order of Approval.

Annual Registration & Fees

Sources of air contaminants, including AFP, must register annually with YRCAA and pay a fee. YRCAA's Board of Directors reviews fees annually. As a part of the registration program, businesses are required to complete and submit a registration form annually. The annual registration program enables YRCAA to classify sources and maintain an inventory of air contaminants. Information is also used to evaluate air pollution control strategies to attain and maintain National Ambient Air Quality Standards.

Inspections

Regular inspections of registered sources are conducted to verify compliance with air pollution regulations. When inspecting AFP, the compliance team will:

- review records;
- determine if any changes have been made to processes, equipment, materials or fuels;
- observe operation and maintenance activities;
- determine if any violations of rules, permits or orders exist; and
- determine if any corrective actions are needed to avoid enforcement.





COMPLIANCE ASSISTANCE PROGRAM

If you have already installed or modified an AFP or any equipment or process associated with an AFP, or are planning to in the future, please contact YRCAA. Our staff is available to assist you with the permit and registration process.

YRCAA Rules

[YRCAA Regulation 1, Subsection 4.01](#)

State Rules

[WAC 173-400](#) – General Regulations for Air pollution Sources

[WAC 173-460](#) – Controls for New Sources of Toxic Air Pollutants

WAC

Federal Rules

40 CFR Part 63, Subpart DDDDDDD Prepared Feeds Manufacturing (area sources).

In addition, EPA may promulgate additional rules for control of hazardous air pollutants (HAPs) called maximum achievable control technology (MACT) standards. To determine if your facility, equipment or operation is subject to any new MACT standard see the following links:

<http://www.epa.gov/airtoxics/mactfnlalph.html>

<http://www.epa.gov/ttn/atw/area/compilation.html>