

Basic Permit Requirements for Grain Elevators

Air Regulations

Air registration and permit requirements are based on facility-wide emissions and the type of facility. This calculation page may not contain all possible emission sources at your facility. For types of facilities that always require an air permit (regardless of emission rates), consult Regulation 18.301 (B) (1)-(3). Other facilities should follow these guidelines:

Registration (Regulation 18.315)

You must submit a Registration (Regulation 18.315) if your emissions fit into at least one of the following categories:

- 40 tons per year or more but less than 75 tons per year of carbon monoxide
- 25 tons per year or more but less than 40 tons per year of nitrogen oxides
- 25 tons per year or more but less than 40 tons per year of sulfur dioxide
- 25 tons per year or more but less than 40 tons per year of volatile organic compounds
- 15 tons per year or more but less than 25 tons per year of particulate matter
- 10 tons per year or more but less than 15 tons per year of PM₁₀
- 1 ton per year or more but less than 2 tons per year of any single hazardous air pollutant
- 3 tons per year or more but less than 5 tons per year of a combination of hazardous air pollutants

Minor Source Permit

You must obtain a minor source permit if your emissions fit into at least one of the following categories:

- 75 tons per year or more but less than 100 tons per year of carbon monoxide
- 40 tons per year or more but less than 100 tons per year of nitrogen oxides
- 40 tons per year or more but less than 100 tons per year of sulfur dioxide
- 40 tons per year or more but less than 100 tons per year of volatile organic compounds
- 25 tons per year or more of particulate matter
- 15 tons per year or more but less than 100 tons per year of PM₁₀
- 10 tons per year or more but less than 15 tons per year of direct PM_{2.5}
- 0.5 ton per year or more but less than 10 tons per year of lead
- 2 tons per year or more of any single hazardous air pollutants
- 5 tons per year or more of any combination of hazardous air pollutants
- 25 tons per year or more of any other air contaminant

Title V (Major Source)

You must obtain a Title V (Major Source) permit if your emissions fit into at least one of the following categories:

- 100 tons per year or more of carbon monoxide
- 100 tons per year or more of nitrogen oxides
- 100 tons per year or more of sulfur dioxide
- 100 tons per year or more of volatile organic compounds
- 100 tons per year or more of PM₁₀
- 10 tons per year or more of lead
- 10 tons per year or more of any single hazardous air pollutant
- 25 tons per year or more of any combination of hazardous air pollutants
- 100 tons per year or more combined of the listed greenhouse gases (GHGs) and 100,000 tons per year or more of CO₂e

Air permitting regulations and forms can be accessed at:

<https://www.adeq.state.ar.us/air/permits/>

Water Regulations

Depending on how the facility deals with stormwater, an Industrial Stormwater General Permit or an Individual NPDES Discharge Permit may be required at the facility. If a facility ever pumps water from a pit or settling pond, then an Individual NPDES Discharge Permit is required. If a project does not qualify for a General NPDES Discharge Permit, an Individual NPDES Discharge Permit must be obtained.

More information on these types of permits can be found at:

<https://www.adeq.state.ar.us/water/permits/npdes/>