

Other Rules That May Apply to Your Dairy

A. District Rule 4550 (Conservation Management Practices)

Conservation Management Practice (CMP) Plans are required under District Rule 4550 to reduce dust emissions from farming operations when the dairy exceeds 500 mature cows, 190 feedlot cattle, or 100 acres of contiguous farmland. Under Rule 4550, farmers or dairy producers choose from a list of available control techniques to control dust emissions. CMP Plans were due December 31, 2004

B. District Rule 4702 (Internal Combustion Engines – Phase 2)

Rule 4702 regulates air pollution emissions from engines rated greater than 50 horsepower in size. These engines may need to be replaced with certified engines or equipped with pollution control equipment to meet the required emission limits. Rule 4702 outlines several agricultural-specific exemptions, including engines used to power or propel implements of husbandry (tractor engines, etc.), wind machines, and mobile agricultural equipment (sprayers, balers, harvest equipment, etc.). Engines included within these categories are not required to comply with Rule 4702. Examples of engines that need permits at a dairy include: emergency back-up engines and irrigation pumps fired on diesel, propane, natural gas, or biogas.

C. District Rule 4621 and Rule 4622 (Gasoline Transfer into Stationary Storage Containers and Gasoline Transfer into Motor Vehicle Fuel Tanks)

These Rules apply to gasoline storage tanks greater than 250 gallons. Storage tanks that store diesel are exempt and do not need a permit. The requirements of these Rules vary depending on size of tank, date of installation, and actual use. If you have a gasoline tank greater than 250 gallons submit a Permit Application for Existing Tanks and the District will determine the permit requirements for the tank.

D. District Rule 4307 (Boilers, Steam Generators and Process Heaters 2.0 - 5.0 MMBtu/hr)

This rule applies to Boilers, Steam Generators and Process Heaters from 2.0 - 5.0 MMBtu/hr. These units are not subject to District permitting requirements, but are subject to Permit-Exempt Equipment Registration (PEER). The requirements vary depending on the type of unit, but most units will be required to either meet a NO_x emission limit (30 ppmvd, 12 ppmvd, or 9 ppmvd) or take the low-use limit of 5 billion Btu/year heat input. If you have a unit subject to this rule, submit a Permit-Exempt Equipment Registration (PEER) Application and the District will determine the requirements.

E. District Rule 4662 (Organic Solvent Degreasing Operations)

The rule applies to organic solvent degreasers (tanks, trays, drums, or other containers). The rule has solvent VOC content requirements for cold cleaners (25 g-VOC/L), or an equivalent control system with no less than 85% overall control for cold cleaners, open-vapor, and conveyORIZED degreasers. The rule also contains work practice standards and design requirements for these categories of sources.

F. District Rule 2201 (New and Modified Stationary Source Review Rule)

New dairies or modifications to existing dairies with over emissions greater than ½ the major source threshold (5 tons of VOCs or NOx) are required to apply for an Authority to Construct (ATC) and are subject to the requirements of District Rule 2201, New and Modified Stationary Source Review Rule (NSR).

District Rule 2201 requires all new or modified emission units subject to permits emitting more than 2 pounds per day of any pollutant to be equipped with the Best Available Control Technology (BACT). Currently, the District has a draft BACT guideline for dairies; however BACT for dairies is currently determined on a site-specific basis.

This Rule also contains requirements for Public Noticing, Major Source Thresholds, Offsets, Daily Emission Limits, and Ambient Air Quality Standards (AAQS). Of these requirements, BACT and AAQS impacts are the most significant for dairies.

G. California Environmental Quality Act (CEQA)

The construction of a new dairy or expansion of an existing dairy is subject to the California Environmental Quality Act (CEQA). Pursuant to CEQA, the environmental impacts of a project that requires public agency approval must be analyzed and mitigated to the extent feasible. The specific CEQA requirements that will apply to your dairy will depend on the scope of the impacts associated with the dairy. The District will work closely with you to ensure that all the requirements of CEQA are satisfied.