



**South Coast
Air Quality Management District**

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AQMD ADOPTS FIRST-EVER MEASURE TO REDUCE DAIRY EMISSIONS

The Southland's air quality agency today adopted the nation's first regulation to reduce smog- and particulate-forming emissions from the waste generated by more than 250,000 dairy cows, primarily concentrated in the Chino area.

“Our region's dairies generate more than one million tons of manure every year. Emissions from that manure contribute to ozone and fine particulate pollution, which must be reduced to meet federal health-based air quality standards,” said Barry Wallerstein, executive officer of the South Coast Air Quality Management District.

AQMD's Rule 1127 – Emission Reductions from Livestock Waste, requires dairies to clear manure from corrals more frequently and send the manure to an emissions-controlled compost facility, an anaerobic digester or to agricultural land where

manure is approved for spreading as fertilizer. The rule also contains provisions to minimize dust and meet requirements of SB 700, adopted last year by the state Legislature.

The measure will be phased in starting Dec. 1, 2004 and apply to the more than 300 dairies in the region, which is considered to have the highest concentration of dairy cows in the nation. Nearly 90 percent of dairies are in the Chino-Ontario-Corona region, with the remainder in the Moreno Valley-Lake Elsinore-Hemet area. Dairies with fewer than 50 cows would be exempt from the rule.

The proposed rule would require dairies to:

- Starting in 2005, remove manure from corrals at least four times a year, vs. two times a year as now required by state water quality regulations;
- Starting in 2006, send the manure that is not used directly as fertilizer to:
 - an anaerobic digester which produces energy from fresh manure;
 - a composting facility complying with AQMD's Rule 1133.2 governing such operations; or
 - an alternative manure processing facility such as enclosed composting bags; and
- Take steps to minimize dust from dairy operations.

By 2010, the measure will reduce more than 3 tons per day of ammonia emissions and more than 1 ton per day of volatile organic compounds. That is in addition to emission reductions resulting from the relocation of dairies outside of the Los Angeles Basin.

The rule is expected to cost the dairy industry a total of about \$3.5 million a year or about \$15,000 per dairy annually. The cost compares favorably with other air pollution regulations on a per-ton-reduced basis.

In other action today, the Board:

- Awarded about \$2.3 million in funding to install and demonstrate hydrogen fueling stations to service a fleet of hydrogen internal-combustion engine vehicles in the cities of Burbank, Ontario, Riverside and Santa Ana. AQMD's Board previously approved funding to convert hybrid-electric 2004 Toyota Prius vehicles to hydrogen-powered internal combustion vehicles for the demonstration fleets;
- Awarded more than \$2.7 million in funding to enhance the natural gas refueling infrastructure in the four-county region. The funding will offset the costs of purchasing and installing 11 new natural gas fueling stations in the region and will assist with upgrades to five existing stations. The new stations will be located in Beaumont, Canoga Park, La Verne, Long Beach, Malibu, Mission Viejo, San Fernando, Santa Clarita, Temecula, Walnut and Zuma Beach. Stations in Bellflower, Fountain Valley, Pomona, Riverside and Santa Monica will receive upgrades; and
- Denied a petition for a Regulation XII hearing on ConocoPhillips Co.'s permit application for their Los Angeles refinery ultra-low-sulfur diesel project.

AQMD is the air pollution control agency for Orange County and major portions of Los Angeles, San Bernardino and Riverside counties.

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