

Common Feedlot Environmental Mitigation Measures

Air Quality

Imperial Valley Air Quality Management District

- Rule 217 (Volatile Organic Compounds & Ammonia)
- Rule 806 (Dust)

San Joaquin Valley Air Pollution Control District

- Rule 4570 (Volatile Organic Compounds & Ammonia)
- Rule 8081 (Dust)

Feedlot Management Practices Used to Control Dust:

- Control fugitive dust emissions in feedlot pens and on roads
- Routine watering of roads
- Operation of in-pen sprinkler systems
- Construction of shades to minimize animal movement
- Water application subject to humidity levels
- Spot enforcement
- Necessary for regulatory compliance and minimize respiratory diseases
- Compacted manure piled in pen
- Manure removed from each pen twice per year
- Land applied or composted
- Composted operations not covered under the CAFO permit must be permitted separately

Water Quality

Colorado River Regional Water Quality Control Board

- NPDES General Order (Surface Water)

Central Valley Regional Water Quality Control Board

- Bovine Order (Surface Water & Groundwater)
- Irrigated Lands Regulatory Program (Land Applied Wastewater)

Regulatory Requirements & Management Practices to Prevent Discharge:

- All CAFOs that have the POTENTIAL to discharge must be permitted
- All facilities must be designed to prevent surface water discharges (25 yr./24 hr. storm)
- Any surface water discharges are subject to regulation and enforcement
- Construction and maintenance of stormwater retention ponds
- Wastewater is removed from retention ponds through evaporation
- Wastewater management plans developed by professional engineers
- Submittal of yearly reports and regulatory inspections
- Manure removed from pens must be applied at agronomic rates
- Permit includes composting yard
- If a composting yard is not covered under the CAFO permit, it must be permitted separately

Specific E. Coli Measures

- Use of feed additives to decrease the prevalence of E. Coli in the feedlot
- Multiple safety measures (“kill steps”) employed during processing to remove any fecal matter that might be present at and during harvest
- Significant fly-control measures employed to dramatically reduce and, in some cases, eliminate the presence of flies