

A. Permit Provisions and Program Elements

Nevada



CAFO Tailwater Collection Requirements

Nevada Division of Environmental Protection's (NDEP) individual NPDES CAFO permits require collection of drainage (tailwater, tile drains, and other subsurface drainage structures) from agricultural fields where manure and process wastewater are applied as fertilizer. The collected wastewater must be returned to the lined process wastewater pond.

New & Existing Concentrated Animal Feeding Operations (CAFOs)

Permit No. NV0023027

AUTHORIZATION TO DISCHARGE

Section B. Site specific requirements

Section B.CO. Concentrated Animal Feeding Operations (CAFO)

Section B.CO.11.2. Tail water, if present, shall be collected in sumps and returned to the lined process wastewater pond.

Section B.CO.21. Tile Drains: Manure and/or process wastewater shall not be applied to agricultural fields containing tile drains or other type(s) of subsurface drainage, unless the recovery and handling of this water is described in the approved NMP.

Programmatic Framework and Resources

NDEP is authorized to issue NPDES CAFO permits by [Chapter 445A of the Nevada Revised Statutes](#).

Implementation

As of 2016, NDEP reports six CAFOs with individual NPDES permits. NDEP does not issue an NPDES CAFO General Permit (Reid 2016a). NDEP checks for tailwater capture and recycle during annual compliance inspections. NDEP reports that modern CAFO designs capture tailwater and stormwater runoff, impound the runoff in lined lagoons and recycle it for crop irrigation. Older CAFO designs impound the runoff in a clay-lined pond, which is then managed via evaporative and infiltrative loss (Reid 2016b).

References

- Reid, M. 2016a, March 21. Email from Michele Reid, NDEP Bureau of Water Pollution Control, to Robert Naeser, Tetra Tech, Inc. regarding the number of Nevada CAFOs with individual NPDES permits.
- Reid, M. 2016b, April 19. Email from Michele Reid, NDEP Bureau of Water Pollution Control, to Robert Naeser, Tetra Tech, Inc. regarding whether tailwater capture and recycle systems are evaluated during NDEP CAFO inspections.
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