



**FACTSHEET**  
**(pursuant to NAC 445A.236)**

**Permittee Name:** WESTERN NEVADA CATTLE FEEDERS  
2105 N MERIDIAN ROAD  
LOVELOCK, NV - 89419

**Permit Number:** NS2016509

**Location:** WESTERN NEVADA CATTLE FEEDERS, PERSHING  
2105 N MERIDIAN ROAD, LOVELOCK, NV - 89419  
LATITUDE: 40.216389, LONGITUDE: -118.483056  
TOWNSHIP: 27N, RANGE: 31E, SECTION: 15

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	FEEDLOT TOTALS	Internal Outfall		LOVELOCK	NV	89419	PERSHING	40.216389	-118.483056	WATERS OF THE STATE
002	MONITORING WELL	Monitoring Well		LOVELOCK	NV	89419	PERSHING	40.216389	-118.483056	WATERS OF THE STATE
003	CORRAL MANURE TESTING AND TRANSFER	Internal Outfall		LOVELOCK	NV	89419	PERSHING	40.216389	-118.483056	WATERS OF THE STATE

**General:**

The Permittee, Western Nevada Cattle Feeders (WNCF), has applied for a new groundwater discharge permit, NS2016509 to discharge manure and production area runoff in the event of a 25-year, 24-hour storm or chronic precipitation event. WNCF is an existing cattle feedlot located 3.7 miles north of Lovelock at 2105 North Meridian Road, in Pershing County. The 5,000 head capacity feedlot has been in operation since the 1940s.

WNCF is defined as a concentrated animal feeding operation (CAFO) because the facility has indicated, by application, they will confine at least 1,000 cattle for 30 days or more in a 12-month period, in an area devoid of vegetation during the normal growing season. While the capacity of the facility is 5,000 head, animal numbers fluctuate throughout the year as they are bought and sold.

Facility construction at WNCF is industry-typical pipe and cable fence, concrete feed aprons and feed bunks, feed alleys and cattle movement alleys, feed storage areas and associated storage structures, maintenance facilities, and waste management and control structures.

**Discharge Characteristics:**

The primary source of production area run-off from WNCF is made up of corral manure mixed with associated precipitation events and incidental water usage for animal consumption. As a CAFO, WNCF is required to contain all manure and runoff from the production area. An exception to this is a precipitation overflow resulting from a 25-year, 24-hour or larger storm event or chronic storm condition. To qualify for this exception, the production area must be properly designed, constructed, operated and maintained to contain manure, direct precipitation and the runoff from a qualifying storm event.

**Receiving Water:**

The Permittee may discharge to groundwater via land application of manure, and may discharge manure and production area wastewater in response to storm events or chronic rainfall events that exceed the 25-year 24 hour storm design, provided that the facility and its production area are properly designed, constructed, operated and maintained to contain manure, pollutants, direct precipitation, and the runoff from a 25-year 24-hour storm event. This permit does not allow for discharges from the production area to Waters of the United States or conveyances to such.

**Summary of Changes From Previous Permit:**

This is a new permit application.

**Proposed Effluent Limitations:**

During the period beginning on the effective date of this permit, the Permittee is authorized to discharge manure and production area wastewater to: 1) Land application areas, reported at 292.3 acres, in accordance with a Division-reviewed Nutrient Management Plan, and 2) Waters of the State in response to storm events or a chronic rainfall event that exceeds the 25-year 24-hour storm design, provided that the facilities and their production areas are properly designed constructed, operated and maintained to contain manure, pollutants, direct precipitation and the runoff from a 25-year 24-hour storm event.

### Groundwater Monitoring Wells Table for Sample Location 002 (Monitoring Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	002	Annual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	002	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	002	Annual	DISCRT
Depth to water level ft below landsurface	Daily Maximum	M&R Feet (ft)		Groundwater	002	Annual	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	002	Annual	DISCRT

**CAFO Discharge Limitations Table for Sample Location 001 (Feedlot Totals) To Be Reported Monthly**

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Animals, total estimated no. of	30 Day Average		M&R Number (#)	Internal Monitoring Point	001	Monthly	CALCTD
Manure, wet tons total	30 Day Average		M&R Tons (ton)	Internal Monitoring Point	001	Monthly	ESTIMA
Manure, wet tons removed	30 Day Average		M&R Tons (ton)	Internal Monitoring Point	001	Monthly	ESTIMA <sup>[1]</sup>

Notes (CAFO Discharge Limitations Table):

1. Estimate based on number of truck loads or number of loader buckets.

**CAFO Discharge Limitations Table for Sample Location 003 (Manure Testing And Transfer) To Be Reported Annually**

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Daily Maximum		M&R Milligrams per Kilogram (mg/kg)	Internal Monitoring Point	003	Annual	CALCTD
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Kilogram (mg/kg)	Internal Monitoring Point	003	Annual	CALCTD
Manure, wet tons removed	Annual Total		M&R Tons (ton)	Internal Monitoring Point	003	Annual	CALCTD

**Rationale for Permit Requirements:**

Monitoring requirements specified in the Tables of this permit are being established to ensure the Permittee addresses CAFO management requirements as indicated in the Division-reviewed NMP and ensures any potential impacts to waters of the State are addressed.

**Special Conditions:**

## SA – Special Approvals / Conditions Table

Item #	Description
1	Part A, Section A.6 does not apply to this permit. A Certified Operator is not required for this facility.
2	Part C, Section C.2 - does not apply to this permit. Operations and Maintenance of this facility are specifically identified in the Division-reviewed NMP.
3	Part C, Section C.9 - does not apply to this permit. This section is for biosolids management from treatment facilities. Manure management at this facility is specifically addressed in the Division reviewed NMP.
4	The Western Nevada Cattle Feeders NMP is based on the "narrative rate approach" and provides for changes to crop rotation without permit modification provided the crop and nutrient application parameters are identified in the NMP.
5	Part B, Section B.CO.4 - does not apply to this permit. Applies to Swine, Poultry and Veal Calf operations only.
6	Part C, Section C.1.35 does not apply to this permit. This section references treatment of domestic sewage in treatment works.
7	Part C, Section C.1.41 - does not apply to this permit. This section references land application of domestic sewage.

**Flow:**

The proposed permit authorizes the discharge of manure and production area runoff in response to storm events that exceed the 25-year, 24-hour storm event provided the facility is appropriately constructed and maintained. The stormwater discharge flow rate will not be limited by the permit and will be dependent upon the magnitude of the design storm event.

**Corrective Action Sites:**

There are no Bureau of Corrective Actions sites within a one mile radius of WNCF.

**Wellhead Protection Program:**

WNCF is not located within an established Drinking Water Protection Area or Wellhead Protection Area.

**Schedule of Compliance:**

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Within 1 year of permit issuance, the Permittee shall submit to NDEP, for review, an updated Nutrient Management Plan that addresses CAFO activity for the term of this permit, April 2016 through March 2021.	5/1/2017
2	180 days prior to the expiration of this permit, the Permittee shall submit, with their renewal application, an updated NMP that will address the CAFO activities for the next permit term.	11/1/2020
3	Within 1 year of permit issuance, all discharge monitoring reports (DMRs) shall be submitted electronically through the Nevada NetDMR website. <a href="https://netdmr.ndep.nv.gov/netdmr/public/home.htm">https://netdmr.ndep.nv.gov/netdmr/public/home.htm</a>	5/1/2017

**Deliverable Schedule:**

## DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly Discharge Monitoring Reports	Quarterly	7/28/2016
2	Annual Discharge Monitoring Reports and Annual Report	Annually	1/28/2017

**Procedures for Public Comment:**

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal, Lovelock Review-Miner** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **4/5/2016**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

**Proposed Determination:**

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Michele Reid**

Date: **2/25/2016**

Title: **Staff II Associate Engineer**