



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: ELKO LAND & LIVESTOCK CO
901 TS RANCH RD
BATTLE MOUNTAIN, NV - 89820

Permit Number: NS2004523

Location: TS RANCH FEEDLOT, EUREKA
901 TS RANCH ROAD, BATTLE MOUNTAIN, NV - 89820
LATITUDE: 40.753333, LONGITUDE: -116.511667
TOWNSHIP: 33N, RANGE: 48E, SECTION: 1

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	CAFO FEEDLOT TOTALS	Internal Outfall		BATTLE MOUNTAIN	NV	89820	EUREKA	40.753333	-116.5166	WATERS OF THE STATE
002	MANURE TESTING AND TRANSFER	Internal Outfall		BATTLE MOUNTAIN	NV	89820	EUREKA	40.753333	-116.5166	WATERS OF THE STATE
003	MONITORING WELL (DOMESTIC)	Internal Outfall		BATTLE MOUNTAIN	NV	89820	EUREKA	40.753333	-116.5166	WATERS OF THE STATE
004	MONITORING WELL (LIVESTOCK)	Internal Outfall		BATTLE MOUNTAIN	NV	89820	EUREKA	40.753333	-116.5166	WATERS OF THE STATE

General:

The Permittee, Elko Land and Livestock Company, has applied for a new groundwater discharge permit NS2004532 to operate a Confined Animal Feeding Operation (CAFO). The facility, identified as TS Ranch Feedlot, is located in Boulder Valley approximately 4 miles north of Interstate 80 at Dunphy, in Eureka County. TS Ranch Feedlot is defined as a CAFO because the facility will confine more than 1,000 head of cattle for 30 days or more, in a 12-month period, in an area devoid of vegetation during the normal growing season.

The TS Ranch is a historic Nevada ranch, known formerly as the T Lazy S in the late 1800s. Today the ranch is operated as a diversified commercial cow/calf operation while maintaining a focus on wildlife and wildlife habitat. The cowherd, consisting of approximately 5,500 cows are run primarily on high desert rangeland and large pastures. The 5,500 head TS Ranch Feedlot was built in 1982 and is operated as a "weaning and warm up" facility in the fall, around October, each year. The weaned calves are vaccinated and sorted into groups by sex, size and color. In December the replacement heifers are sorted off the group and the balance of the calf crop is sold via auction. By the end of December all the calves are gone and the feedlot is shut down till the next fall weaning season.

CAFO construction is industry typical with open corrals, feed bunks/alleys, feed storage areas and associated storage structures, maintenance facilities, and waste management/control structures. Manure production at this facility is minimal due to the short duration of use each year. Manure produced is mounded in the corral areas to allow the calves the ability to access dry ground during precipitation events. Manure may on occasion be transferred to area farmers.

Discharge Characteristics:

The primary source of production area run-off from TS Ranch Feedlot is made up of manure mixed with associated precipitation events and incidental water usage for animal consumption. The facility has two stormwater retention basins with a total capacity of 40,000 gallons. As a CAFO, TS Ranch Feedlot is required to contain all manure and process waste 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 event. To qualify for this exception the production area must be properly designed, constructed, operated, and maintained to contain manure, process waste, direct precipitation and runoff from a qualifying storm event. There is no process wastewater or land application activity associated with this facility.

Receiving Water:

Receiving waters are waters of the State. Groundwater levels in the vicinity of the facility are reported at 35 feet below ground surface (bgs). An overflow from the production area resulting from a storm event greater than the 25-year, 24-hour design would report to a dry basin south of the facility.

Summary of Changes From Previous Permit:

This is a new permit application.

Proposed Effluent Limitations:

There shall be no discharge from the facility property except as authorized by this permit.

During the period beginning on the effective date of this permit, the Permittee is authorized to discharge manure and process waste pollutants to 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 003 (Domestic Water Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface	Annual Maximum	M&R Feet (ft)		Groundwater ^[1]	003	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater ^[1]	003	Annual	DISCRT
Nitrogen, total	Annual Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater ^[1]	003	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater ^[1]	003	Annual	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater ^[1]	003	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Reported sample results may be obtained from the annual sampling conducted by Newmont Mining for their monitoring well sampling conducted on this well.

Groundwater Monitoring Wells Table for Sample Location 004 (Livestock Well) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Nitrogen, total	Annual Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater ^[1]	004	Annual	DISCRT
Solids, total dissolved	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater ^[1]	004	Annual	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater ^[1]	004	Annual	DISCRT
Depth to water level ft below landsurface	Annual Maximum	M&R Feet (ft)		Groundwater ^[1]	004	Annual	DISCRT
Chloride (as Cl)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Groundwater ^[1]	004	Annual	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Reported sample results may be obtained from the annual sampling conducted by Newmont Mining for their monitoring well sampling conducted on this well.

CAFO Discharge Limitations Table for Sample Location 001 (Café Feedlot Totals) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Animals, total estimated no. of	Annual Maximum		M&R Number (#)	Internal Monitoring Point	001	Annual	CALCTD
Manure, wet tons total	Annual Maximum		M&R Tons (ton)	Internal Monitoring Point	001	Annual	ESTIMA

CAFO Discharge Limitations Table for Sample Location 002 (Manure Testing And Transfer) To Be Reported Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Manure, wet tons removed	Annual Maximum		M&R Tons (ton)	Internal Monitoring Point	002	Annual	CALCTD
Nitrogen, total	Annual Maximum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	002	Annual	DISCRT
Phosphorus, total (as P)	Annual Maximum		M&R Milligrams per Liter (mg/L)	Internal Monitoring Point	002	Annual	DISCRT

Rationale for Permit Requirements:

Monitoring requirements specified in the permit are being established to ensure the Permittee addresses CAFO management requirements 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 B.CO.8 - B.CO.11.4.5 does not apply to this permit. A Nutrient Management Plan is not required for this facility as there are no land application activities associated with this operation. Manure produced at this facility may occasionally be transferred to agricultural users.
3	Part B.CO.13 - B.CO.14 does not apply to this permit. The facility does not produce waste water or utilize waste treatment lagoons.
4	Part B.CO.16 does not apply to this permit. There are no land application activities permitted with this facility.
5	Part B.CO.20 does not apply to this permit. There are no land application activities permitted with this facility.
6	Part B.CO.23 does not apply to this permit. There are no land application activities permitted with this facility.
7	Part B.CO.29 - B.CO.30 does not apply to this permit. The facility does not produce waste water or utilize waste treatment lagoons.
8	Part B.CO.32 does not apply to this permit. There are no land application activities permitted with this facility.
9	Part C.1.35 does not apply to this permit. This section references treatment of domestic sewage in treatment works.
10	Part C.1.41 does not apply to this permit. This section references land application of domestic sewage.
11	Part C.13 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 O&M Plan.
12	Part C.27 does not apply to this permit. The Permittee is not required to submit sludge information listed in 40 CFR 501.15(a)(2) with their renewal application.
13	Part C.34 does not apply to this permit. The facility does not receive pollutants from indirect dischargers.
14	Part C.35 does not apply to this permit. This section references Federal CWA permit regulations.
15	The Permittee shall maintain compliance with the Division reviewed O&M Plan. Any changes to the O&M Plan shall be submitted to the Division for review prior to implementing the changes. Some changes may require a modification to the permit conditions.
16	The Permittee shall, in compliance with Natural Resources Conservation Service (NRCS) Conservation Practice Standard, Code 353 - Monitoring Well, establish a buffer zone with a minimum radius of 30 feet around the well head of any monitoring wells on the site. This requirement does not supersede a more restrictive requirement of the local authority.
17	The Permittee shall establish a mortality management plan in accordance with NRCS Standard, Code 316 for routine mortalities and Code 368 for emergency catastrophic mortalities.

Flow:

There is no process wastewater flow associated with this facility.

Corrective Action Sites:

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

Wellhead Protection Program:

TS Ranch Feedlot 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 60 days of permit issuance, the Permittee shall submit to NDEP, for review, a facility Operations and Maintenance (O&M) Plan. The plan shall include but not be limited to the following items: 1) Facility Design and Operational Procedures, 2) Monitoring and Record Keeping, 3) Manure Management Plan, and 4) Mortality Management Plan.	5/31/2016

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Annual Discharge Monitoring Report	Annually	1/28/2017
2	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 **Elko Daily Free Press, Battle Mountain Bugle** 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. **2/22/2016**, 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: **1/13/2016**

Title: **Staff II Associate Engineer**