



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: SNYDER LIVESTOCK CO., LLC
P.O. BOX 550
YERINGTON, NV - 89447

Permit Number: NS2016507

Location: SNYDER FEEDLOT, LYON
165 OSBORNE LANE, YERINGTON, NV - 89447
LATITUDE: 38.9216, LONGITUDE: -119.1728
TOWNSHIP: 12N, RANGE: 25E, SECTION: 10

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		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
002	STORMWATER POND #1	Internal Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
003	STORMWATER POND #2	Internal Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
004	STORMWATER POND #3	Internal Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
005	STORMWATER POND #4	Internal Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
006	STORMWATER POND #5	Internal Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
007	CORRAL MANURE TESTING AND TRANSFER	External Outfall		YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE
MW1	MONITORING WELL	Monitoring Well	90337	YERINGTON	NV	89447	LYON	38.9216	-119.1728	WATERS OF THE STATE

General:

The Permittee, Snyder Livestock, has applied for a new groundwater discharge permit, NS2016507 to discharge, from Snyder Feedlot, manure and production area wastewater to Waters of the State. Snyder Livestock which started as a cow/calf operation in the late 1960's, is located at 165 Osborne Lane in Yerington.

Snyder Feedlot is defined as a concentrated animal feeding operation (CAFO) because the facility has indicated, by application, that the facility 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. Current design capacity of the facility is 5,000 head of cattle, however the facility has plans to increase the design capacity to 7,000 head of cattle. Number of confined cattle fluctuate throughout the year as they are bought and sold. Average confinement once the additional facilities are complete will reportedly be 3,000 head or less per month over the year. CAFOs that land apply manure and/or production area wastewater are required to comply with a Nutrient Management Plan (NMP). CAFOs are regulated primarily through adherence to nutrient application rates and NMP compliance items. The NMP prepared by National Resources Conservation Services

(NRCS) is based on the number of animals once the additional facilities are completed. Precipitation related runoff from land application areas where manure and/or production area wastewater have been applied in accordance with the Division-reviewed NMP is exempt from permitting requirements.

As a CAFO, Snyder Feedlot 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. Facility construction as Snyder Feedlot 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 runoff from Snyder Feedlot is made up of corral manure mixed with associated precipitation events and incidental water usage for animal consumption. Snyder Feedlot currently utilizes three 45-mil ethylene propylene diene monomer (EPDM) lined basins to capture stormwater run-off at the facility. With the planned expansion of the corral area, the Permittee will construct, in accordance with NRCS standards, two additional lined stormwater basins.

Receiving Water:

The Permittee will use a combination of evaporation and land application to re-use the stormwater runoff captured from the production area. The Permittee may discharge to groundwater via irrigation, 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 of 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 process wastewater to: 1) Land application areas, reported at 2100 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 Mw1 (Monitoring 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	Daily Maximum	M&R Feet (ft)		Groundwater	MW1	Annual	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Annual	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Annual	DISCRT
pH	Value		M&R Standard Units (SU)	Groundwater	MW1	Annual	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	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 ^[1]
Manure removed, gallons	30 Day Average		M&R Gallons (gal)	Internal Monitoring Point	001	Weekly	ESTIMA ^[1]
Manure remaining, gallons	30 Day Average		M&R Gallons (gal)	Internal Monitoring Point	001	Weekly	ESTIMA ^[2]

Notes (CAFO Discharge Limitations Table):

1. Estimate based on number of truck loads.
2. Estimate based on storm water pond depth, as provided by the depth marker.

CAFO Discharge Limitations Table for Sample Location 002 (Stormwater Pond #1) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT
pH	Value		M&R Standard Units (SU)	Effluent Gross	002	Semiannual ^[1]	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	002	Semiannual ^[1]	DISCRT

Notes (CAFO Discharge Limitations Table):

1. Semi-annual measurements shall be conducted in the 2nd quarter and 4th quarter of each calendar year.

CAFO Discharge Limitations Table for Sample Location 003 (Stormwater Pond #2) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT
pH	Value		M&R Standard Units (SU)	Effluent Gross	003	Semiannual ^[1]	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	003	Semiannual ^[1]	DISCRT

Notes (CAFO Discharge Limitations Table):

1. Semi-annual measurements shall be conducted in the 2nd quarter and 4th quarter of each calendar year.

CAFO Discharge Limitations Table for Sample Location 004 (Stormwater Pond #3) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
pH	Value		M&R Standard Units (SU)	Effluent Gross	004	Semiannual ^[1]	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	004	Semiannual ^[1]	DISCRT

Notes (CAFO Discharge Limitations Table):

1. Semi-annual measurements shall be conducted in the 2nd quarter and 4th quarter of each calendar year.

CAFO Discharge Limitations Table for Sample Location 005 (Stormwater Pond #4) To Be Reported Semi Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT
pH	Value		M&R Standard Units (SU)	Effluent Gross	005	Semiannual ^[1]	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	005	Semiannual ^[1]	DISCRT

Notes (CAFO Discharge Limitations Table):

1. Semi-annual measurements shall be conducted in the 2nd quarter and 4th quarter of each calendar year.

CAFO Discharge Limitations Table for Sample Location 006 (Stormwater Pond #5) To Be Reported Semi Annually

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT
pH	Daily Maximum		M&R Standard Units (SU)	Effluent Gross	006	Semiannual ^[1]	DISCRT
Solids, total suspended	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT
BOD, 5-day	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Effluent Gross	006	Semiannual ^[1]	DISCRT

Notes (CAFO Discharge Limitations Table):

1. Semi-annual measurements shall be conducted in the 2nd quarter and 4th quarter of each calendar year.

CAFO Discharge Limitations Table for Sample Location 006 (Manure Testing And Transfer) To Be Reported Annually

Discharge Limitations				Monitoring Requirements			
Parameter	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Manure, wet tons removed	Annual Total		M&R Tons (ton)	Internal Monitoring Point	006	Annual	CALCTD
Nitrogen, total	Daily Maximum		M&R Milligrams per Kilogram (mg/kg)	Internal Monitoring Point	007	Annual	CALCTD
Phosphorus, total (as P)	Daily Maximum		M&R Milligrams per Kilogram (mg/kg)	Internal Monitoring Point	007	Annual	CALCTD

Rationale for Permit Requirements:

Monitoring requirements for the parameters specified in the permit are being established to ensure that the Permittee has appropriate manure and wastewater data to comply with the Division reviewed Nutrient Management Plan and to determine any potential impacts to Waters of the State that may occur in response to related discharges or seepage.

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 Snyder Feedlot 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.
8	Due to a submitted baseline water sample, which indicates an elevated nitrate level, Part B.MW.3 does not apply to this permit. Groundwater monitoring well sampling for this facility is intended to set baseline data for this agricultural intensive use area. Continued monitoring that determines there is an increasing degradation of groundwater beyond the baseline sample will require the Permittee to submit for review a plan of action that ensures no further degradation to Waters of the State.
9	<p>During semi-annual sampling of the stormwater ponds, a sample from either pond #3, pond #4, or pond #5, being considered substantially similar, may be collected as a sample representative of all 3 ponds and reported as such on the respective DMRs. The Permittee shall specify the Outfall (pond) being represented in the Annual Report narrative.</p> <p>Sampling of stormwater pond #1 and stormwater pond #2 shall be conducted semi-annually.</p>

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 Snyder Feedlot.

Wellhead Protection Program:

This facility has been determined to have no impact to any Wellhead Protection Area or Drinking Water Protection Area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	Within 1 year of permit issuance, all discharge monitoring reports (DMRs) shall be submitted electronically through the Nevada NetDMR website. https://netdmr.ndep.nv.gov/netdmr/public/home.htm	7/28/2017
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

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	Semi-Annual Discharge Monitoring Reports	Semi Annually	1/28/2017
3	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, Mason Valley News** 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. **6/20/2016**, 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: **5/9/2016**

Title: **Staff II Associate Engineer**