

It is understood that some of the following information may not be available. If that is the case please provide your best estimate for the questions.

I. Irrigation

1. What type of irrigation systems do you use?

2. Are your pivots low pressure systems?

3. If you use gated pipe, is it flood or furrow irrigation?

4. Do you have a written Irrigation Water Management Plan?

5. How do you determine when to start irrigating?

6. Has your irrigation water been tested for nitrates? If so please provide a copy of the water analysis.

7. Does your irrigation system have flow measurement devices?

8. How is irrigation scheduled? (visual crop stress, soil moisture, evaporation pan)

9. Can you control the flow rates to your farm? To your fields?

II. Crops

1. What is your crop rotation and duration? (Alfalfa 5 years, Corn 1 year, Beans 1 year, Barley 1 year)

2. How often are alfalfa fields typically renovated, and how do you determine when that occurs?
3. What is your 5 year average yield for each crop on your farm?
4. Have you completed a crop report at FSA for the last two years?
5. How many acres of each crop do you generally try to achieve each year?
6. What is the percentage of alfalfa to grass if you have a alfalfa/grass mix on any fields?
7. Do you aftermath graze your corn and alfalfa fields? Brief, Moderate, Heavy?
8. Do you use the FSA tract naming system for your fields? If not, can you provide a list of your field names (Homeplace, Granny's, Smiths, South pivot) with corresponding FSA identifications?
9. Are your pivot corners farmed and if so is fertilizer applied?

III. Manure Application

1. When is manure generally applied to the fields, i.e., fall or, spring or both?
2. Is manure incorporated (tilled into the ground)? How many days after it was applied?
3. How soon after manure application/incorporation are crops planted?
4. What time of day is manure commonly applied to the fields? Is it during daylight hours after 8 A.M. and before 5 P.M?

5. Are weather conditions considered before manure application to the fields?
6. Are weekends and holidays considered before manure application is applied? If so does the application of manure avoid those times?
7. What are the typical soil conditions at the time of manure application? Please select the correct condition of the soil: cool/moist, cool/dry, warm/moist, or warm/dry.
8. Where is the manure stored until it is spread on the fields? How long is it stored?
9. What is the manure application rate used by your operation?
10. Is manure handled as a liquid, slurry or solid? How much?
11. Is manure every applied to frozen or saturated ground? If so, is the runoff potential considered before application?
12. Do you export any of your manure produced from the farm to another producer? If so is a manure analysis provided to the buyer?
13. Do you import any manure onto your farm or does your operation produce enough to meet your needs for crop nutrients? If manure is imported is an analysis obtained on the imported manure?
14. What type of equipment is used to spread the manure?
15. What is the length, width, and depth of the spreader used to apply manure?
16. Do you keep climate records for manure application? This includes information such as ground cover, soil condition, air temperature, wind speed and direction, etc.

17. Do you inspect the manure piles or corn leachate to see if there is a runoff or seepage problem? If so, how often are they inspected and how do you document those inspections?

18. Is there an emergency disposal location for the facility? If so what field or fields would receive the manure?

IV. Commercial Fertilizer Application

1. What fertilizer is commonly applied and how much was applied last year?

2. What is your source for commercial fertilizer?

3. By using manure, have your commercial fertilizer rates decreased and, if so, by what percentage?

4. Do you apply a starter fertilizer when seeding? What kind and rate of application?

5. Does your operation contract out the commercial fertilizer application? If so what is the name and contact information for the contractor?

V. Dead Animal Disposal

1. Where are dead animals taken? If handling/burial is on the farm/ranch property, please provide a location on a map as WDEQ requires the location of a dead animal facility for your operation.

2. How many animals died at the facility within the last year or please provide an average percentage of death loss common annually for the facility?

3. Are the animals removed within 48 hours?

4. Do you have a plan for catastrophic death animal disposal? If so, please explain.

VI. Animal Facility

1. Are there any planned expansions to the facilities, i.e., large increases in animal numbers, change in animal size, new plans to apply manure instead of export it, etc.?

2. Does your facility have any Biosecurity measures? Please fill out the table below by putting an x in the first column if your operation uses the practice. The last line is for you to add measures if they are not listed in the table below.

	You are not concerned with biosecurity on your farm.
	Visitor has not come from another farm that day or is not wearing unlaundered clothing worn at another farm.
	You have informed visitor to park vehicles on paved or concrete areas, away from production sites on farms, to avoid contact with soil, mud, or manure.
	You have informed visitor of required coveralls, boots or other precaution measures you require.
	Feed-storage areas will avoid direct contact whenever possible. Feed storage barns, silos, feed troughs, and bunks, or water troughs will be visited on a limited basis as contaminated feed is primary route of infection for most diseases.
	Soap and water or an antibacterial gel will be used before entering and after leaving the premises to avoid transmitting disease agents from person to person.
	After returning to vehicle, a brush and approved EPA disinfectant solution (Virkon-S Oxonia Active/Oxycept 333) will be used to disinfect any equipment (survey equipment, shovels, camera...)

3. What is the maximum capacity of numbers the facility was designed for?

4. What class of animals are in it currently, e.g., feeder calves, bulls, dry cows?
What are the approximate starting and ending weights of the animals?

5. If permitted, do you have a copy of your last annual report to WY DEQ?

6. What are the weight gain goals for your operation?

7. How long are animals in the facility? What time of year do they come in and out?
8. What is the approximate distance from the feedlot to any sensitive areas or surface water? (streams, drainages, wetlands, domestic well, irrigation canals) Exclude roadside ditches.
9. Are the pens paved or unpaved?
10. In dry weather, do you use dust control measures in the pens? If so what dust control methods are used?
11. How often are the pens scraped and the manure removed and stored?
12. Are grass filter strips used below the feedlot/stockpiles to reduce nutrient runoff?
13. Is there a liner in the storage pond?
14. Are rainfall records kept to determine how much rainfall is contributed to the storage pond?
15. Does the storage pond have the capacity to contain a 25-year 24-hour storm?
16. Are the solids removed from the storage pond as they accumulate?
17. Are livestock kept away from the storage ponds and trenches?
18. What is the runoff water used for? Is it to irrigate field, dust control for the pens or does it just evaporate?

VII. Animal Feed Rations

1. What is the typical ration for the feedlot? Are you feeding a low or high energy ration?
2. Do you import any feed for the livestock or is it entirely grown on the facility? If feed is imported, what percentage of the overall amount fed is it imported?
3. What are the typical feed ingredients in the ration?
4. What is the average protein value of the feed ration? Average phosphorus value?
5. What is the average daily consumption per animal of the ration?

Please select/circle yes or no in the following table

Feeding Practices for Beef (non-dairy)	Is this option currently used on your operation?	Is this a viable option for future adoption?
Group cattle by weight and class and formulate multiple rations.	Yes No	Yes No
Feed ration with 11-12% CP, 29% RUP for growing/finishing.	Yes No	Yes No
Feed phosphorus according to Average Daily Gain” .5# = .12%; .75# = .14%; 1.0# = .16%, 1.5# = .17%; 2.0# =.18%; 2.5# = .21%; 3.0# = .24%; 3.5#=.28%; 4.0# = .34%.	Yes No	Yes No
Feed ration with 9% CP and 30% RUP for late lactation cows and phosphorous content = .12-.21% depending on stage of life. cows	Yes No	Yes No
Improve quality of home-grown feeds	Yes No	Yes No
Increase dry matter intake	Yes No	Yes No
Blend legume and corn silage in ration to meet protein requirements	Yes No	Yes No
Test all forages and feed ingredients and adjust rations accordingly	Yes No	Yes No

CP=crude protein; RUP=rumen undegradable protein (given as % of total CP);
MUN=milk urea nitrogen.

VIII. Chemical Storage

1. Are pesticides/chemicals stored at the facility? If so, are chemical handling, storage and equipment wash areas designed and constructed to prevent contamination of surface waters, wastewater and storm water storage and treatment systems?

IX. Fuel Storage

1. Is any fuel stored at the facility? If so, what is the volume (in gallons) of all tanks, including empty tanks? Is there any containment structure around the fuel storage to prevent loss in case of tank rupture (such as berms)?

X. Air Quality

1. Are you aware of any complaints about odors or noise from the feedlot?
2. Are vegetative barriers, windbreaks, used around the facilities, manure piles, or storage ponds to filter and dissipate odors? If so, where are they?
3. The prevailing winds in my location come from the following directions. Circle all that apply:
W N W N NE E SE S SW
4. Neighbors (businesses, homes, schools, churches, other public venues) nearest my facility in any direction are within ___ miles of my property line.
5. Neighbors nearest my facility in the downwind direction with respect to the prevailing winds are within _____ miles of my property line.
6. My facility's property line is within ___ miles of the nearest major highway (truck route, divided highway) and ___ miles of the nearest public roadway (county roads, farm-to-market highways, other lightly traveled thoroughfares)

7. Has your facility ever had an odor compliance issue and it was documented by WDEQ?

8. Have you used any odor treatment technologies for manure storage or for the lagoons?

XI. Additional Questions

1. Do you have an NRCS Conservation Plan and if so what is the date of the plan?

2. Has your drinking water well been tested for nitrates and/or bacteria? If so how long has it been since the test?

3. Do you currently have a WYPDES permit? What is the permit number and when is the expiration date?

4. Is there an emergency plan in case excessive runoff would overload the storage pond or lagoon or waterers are damaged?

5. Please fill out the table below for emergency contact information. This is for equipment to respond to an emergency such as a spill or overload of a storage pond. This could be you the producer, any employee or neighbor that can respond to the emergency if you are unavailable. Also list any other equipment such as backhoes or dump trucks that could be used for cleanup.

Equipment Type	Contact Person	Phone Number
Tractor with Loader		(307)

Data to be collected for the development of a Nutrient Management Plan.

1. Soil tests for each field, preferably less than 5 years old, especially those that will receive manure over the next five years. Soil tests need field number/name identification
2. Manure tests for the last year at all storage locations.
3. Written permission to obtain FSA crop records and aerial maps for past 2 years. Producer's field names should be matched to FSA tract and field when possible.
4. Written permission to receive your soil and manure analysis from the Lab may be necessary.
5. If currently permitted, the most recent WDEQ annual report for facility,
6. Soil map for entire farm with township range and section if the data is unavailable on WebSoil Survey/Soil Data Mart. Togo map of facility and farm fields.
7. NRCS Soil Map Unit Reports if the data is unavailable on WebSoil Survey/Soil Data Mart.
8. Copy of the previous comprehensive nutrient management plan for the facility.
9. Latitude and Longitude of Facility(s) entrance.
10. Location of where manure was applied to the fields the last two years.
11. Commercial Fertilizer application records for the farm for the last year.

OTHER COMMENTS: