

PRODUCER SUMMARY

Facility Summary

The Example Dairy Farm is an existing dairy and beef cow operation located at 123 Milk Road in Boise, ID 83707. It is owned by Mr. Example Dairyman and operated by Mr. Operator. The dairy is currently milking 170 Holstein cows with 30 dry cows, 50 dairy heifers, 80 dairy calves and feeding 200 beef cows that are a Holstein cross breed. Dairy cow weight is 1500 lbs, dairy heifer weight 800 lbs, dairy calf weight 200 lbs and beef cow weight 1000 lbs. There are no current plans for expansion and the plan was designed for animal numbers previously mentioned. Housing for animal groups are as follows lactating dairy cows are in freestalls, dry cows, dairy heifers, beef cows are in open lots and dairy calves are in covered sheds.

Resource Concerns

The Example Dairy Farm is located in the Southwest Hydrologic Unit, along the Lower Boise stream segment (USGS Hydrologic Unit Code # 17050114). This stream segment is water quality limited for Dissolved Oxygen, Nutrients and Sediment. This facility is located at GPS coordinates 114° 50' 20" N and 62° 50' 20" W and legal address Township 1 S, Range 1 E, Section 1.

The primary resource concern on The Example Dairy Farm is ground water and surface water quality. Fields W2A, W3, W5, W6 and W7 are a ground water concern. Fields E9, ED1, ED3, W8, W9, WD1, WD2 and WD3 are a surface water concern.

Soil sample results were not available at this time.

Storage and Handling Plan Requirements

Wastewater application is to begin and end with the irrigation season. In the fall, wastewater may be applied to a growing crop. When applying **OUTSIDE** of the irrigation season you are required to contact the ISDA Dairy Bureau at (208) 332-8540 **PRIOR** to application. When applying wastewater, care should be taken to apply effluent evenly.

This facility has two ponds that measure 100' in length, 100' in width, and are 6' deep providing 100,000 cubic feet of storage. Example Dairy Farm requires 100,000 cubic feet of liquid storage. The current liquid system has a storage capacity adequate for 180 days storage.

This facility needs 100 acres of land application area to apply solid waste and 50 acres to apply liquid waste. The facility currently has 50 acres to apply liquid waste. Solid waste is exported to third party receivers as listed in the nutrient management plan.

Refer to the Containment Of Milk Center Waste And Corral Runoff section of the OnePlan NMP.

Storage and Handling Plan Recommendations

- Berming around your corrals will help contain any type of run-off.
- Continual inspection and maintenance of waste handling facilities and equipment will prevent unwarranted waste discharges into surface water and groundwater.
- Contain manure storage areas to prevent run-off and direct seepage to ground water from occurring.

Nutrient Management Plan Requirements

The producer will maintain field application records for a minimum of five years and make them available for review at routine waste inspections by ISDA personnel. These records must include

1. Yearly Soil Test of facility owned and operated fields to which nutrients are applied.
2. The amount, date, and application method of any and all manure or commercial fertilizer applied to facility owned/operated crop fields.
3. Dates, amounts and receivers of all exported manure.
4. Record changes in crop rotation or management. Record crop yields for each field.

Nutrient Management Plan Recommendations

- Set realistic crop yield goals in order to provide an accurate account of the plant nitrogen needs.
- Nitrification inhibitors in liquid-manure injection systems can decrease N losses in coarse-textured soils all year long, in all soils during fall and summer and in fine or medium textured soils with high water-tables during winter and spring.
- Apply N so that it is available during peak plant demand.
- Apply fertilizer to cool season crop in the spring rather than in the previous fall. This will prevent fertilizer leaching through the soil profile and provide the crop with the necessary levels of nutrients.
- Use split or multiple fertilizer applications in order to provide the crop with a preplant treatment and the needed nutrient levels throughout the growing season till the point of major nutrient uptake.

Refer to the Application Rate Table shown in your nutrient management plan to find the amounts of nutrients that should be applied.

Irrigation Management Plan Requirements

There are no irrigation management requirements at this time.

Facility Testing Requirements

Regulatory Soil samples will be required from each field every three to five years. These samples must be taken from 18-24" for fields listed as a groundwater concern and from 0-12" for fields listed as a surface water concern.

Additional Recommendations

(Add if Applicable)