

# **Dust Control Plan Fryslan Ranch LLC**

## **Introduction**

The goal for our facility is to prevent and reduce fugitive dust emission through following the Best Management Practices (BMP's) that appertain to Fryslan Ranch LLC. These BMP's are listed by the YRCAA in the Fugitive Dust Control Guidelines, section X. We use BMPs two through seven as explained in the upcoming paragraphs. Fryslan Ranch LLC is a heifer raising facility located at 610 Christenson Road Mabton, Washington. This facility stretches out over 25 acres with single calf hutches and dry lot pens. We currently have 4500 animal units with a capacity for 5000. Our heifers at this facility range from day old to about 10 months, or 700 pounds. All of our calves are in single calf hutches for 100 days. Straw is added to each hutch for bedding. The older heifers are all kept in dry lot pens. All weaning pens are hard packed and cleared out a few times a year to prevent excess manure build up. We have our own well along with a pond that we use to collect water used for washing out equipment. There aren't any limitations on this water as we have to be able to wash out bottles and the milk mixer in order to keep it clean and properly feed our babies.

## **Best Management Practices**

### **X.2 Mobile Water Application – Water Trucks**

We use water trucks all over our facility during dry months. All of our main roads are gravel, while others are dirt with hop waste covering it. Our water truck driver pulls up to our pond, turns on the pump and fills his truck. He then sprays water while driving to spread it equally all over the ground to avoid and puddles or run off.

### **X.3 Pen Maintenance**

We remove all excess manure from corrals as needed. The bigger corrals are scraped weekly, while smaller weaning pens are completely cleared out a few times a year to prevent manure build up. Alleys are cleaned with a honey vac twice a week to keep all alleys clear. When it is very dry, we add moisture to corrals along with the scraping to control dust. We compost all manure removed from pens offsite.

### **X.4 Surface Amendments/Applications.**

Along with watering roads, we use hop waste on all of the dirt roads and in between calf hutches to help control the dust. Hop waste is a mixture of chopped up vines and small ropes that is left over after getting all hops off of the plant. We have also spread hop waste in a few open areas that aren't in use. The main roads are all graveled with the water added as needed.

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### **X.5 Wet Manure/Mound Management**

We use mound management in all of our corrals except for weaning pens. Most pens are scraped twice a week unless pens are too wet for the scraper to get in. Then we add straw to keep heifers dry. Once the pens start to dry out corrals are scraped and excess manure and straw is removed from the pen.

### **X.6 Windbreaks**

In each row of weaning pens, we have windbreak walls. These walls were added to block wind for the calves and pen. Our weaning pens are smaller and are not scraped as often as the larger pens. The wall helps control any dust being blown out of the pens.

### **X.7 Feed Processing and Handling**

All of our feed is brought into this location premixed and is put on concrete slabs. Most of our feed is in a protected feed bay. We have a grain truck that one guy loads using a loader, then scoops grain out of it and into buckets for the calves. Our older heifers are fed a pre mixed ration by a tractor pulled mixer wagon.

## **Operational Plan**

Reducing fugitive emissions is very important to our facility and we do so by following a few of the BMPs given to us by the Yakima Regional Clean Air Agency. Our method for determining which BMPs would be best for us is to simply drive around and observe where our practices might be lacking. The first step to improvement is knowledge. We believe all employees should have an understanding of dust control and be aware of the best management practices to reduce emissions in each of their jobs. We have Standard Operating Protocols for each job at our facility so everyone does things in a way that is safe and prevents fugitive emissions the best we can. Our manager, Ruurd Veldhuis, is in charge of driving around to make sure our management practices are being followed properly. He also decides if anything extra besides our normal day to day practices are needed.

Fryslan Ranch LLC retains the right to modify the plan as long as the effectiveness of the plan is not compromised. We will notify the YRCAA of any modification in the plan or changes in application of the plan. The YRCAA will notify Fryslan Ranch LLC if they have any concerns, issues and/or modifications regarding our plan.