

Attachment 2, Green Tier Amendment Application 2008

1-narrative paragraph(s) of Elm Dairy's history of environmental performance:

Holsum Elm Dairy, from its inception, has been assisted in outstanding environmental performance by the example of Green Tier qualified Holsum Irish Dairy. Not an identical twin, Elm Dairy had the advantage of five years of practical experience from Irish Dairy. What worked was retained and what could be enhanced was upgraded. From cow comfort stalls and ventilation to manure pond configuration to facility lighting and stormwater routing, countless improvements were incorporated.

The physical plant hub is located at a greater distance from the nearest neighbor, reducing operating sounds, light and traffic noise. New technical developments contributed to improved manure-to-electricity generating capability and a more energy efficient rotary milking parlor. Elm Dairy joins Irish Dairy in surpassing Wisconsin's environmental requirements. The two dairies together passed a three day rigorous environmental audit by the professionals of Environmental Compliance Systems, Inc. in September 2007.

None of this would have been possible without the pride and expertise of the people involved: the contractors, our construction crew, and Irish Dairy's motivated staff (who either transferred to Elm or trained newly hired employees to Irish Dairy's same high standards).

2- narrative paragraph(s) of Elm Dairy's future environmental performance:

Elm and Irish Dairies will continue to minimize their effects on air, water, land, and natural resources, as we produce high quality milk. We will strive for reducing waste, recycling raw materials, reusing water, and investigating novel applications of technology.

In 2008, we will we will build an innovative calf raising facility on Elm Dairy's land, that groups calves with 7 to 11 herd mates. To conserve resources, the facility will utilize in floor heat harvested from the manure digester, will not require straw, and will use acidified milk rather than a pasteurizer. As envisioned, it will eliminate the fossil fuels needed to transport calves off site, to harvest and transport straw bedding, and to heat the milk pasteurizer. Less travel, controlled environment, and pathogen free milk are also likely to benefit the calves' health.

In 2008, we are considering an additional manure separation process to extract even more phosphorus. We have been working with three engineering firms for 2-1/2 years on this project. If successful, we will purchase several center pivot irrigation systems to be used with the guidance of agronomy consultants. We envision irrigating (watering) the filtrate, with its reduced phosphorus, onto parched crops at critical times, assuring plant uptake of the remaining fertilizing nutrients and higher yielding crops.

Attachment 3, Green Tier Amendment Application 2008

Complete functional equivalency file is available at:

<http://dhr.wi.gov/org/caer/ceal/environmental/participants/holsum/index.htm>

Also, our Green Tier Certificate of conformance is included herein:

