OhioEPA
State of Ohio Environmental Protection Agency
Northeast District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

June 9, 2008

RE: BREWSTER DAIRY
NPDES 3IH00051
CEI

Mr. Lonnie Via
Brewster Cheese, Inc.
675 South Wabash Avenue
Brewster, OH 44613

Dear Mr. Via:

On May 30, 2008, this office conducted a compliance evaluation inspection (CEI) of the Brewster Dairy Wastewater Treatment Plant (WWTP). Present during the inspection were this writer and Phil Rhodes, Ohio EPA NEDO, and Terry Brown and Sandy Scott, Brewster Dairy.

The treatment system upgrades as approved in PTI #626334 are nearing completion. The aerated lagoon is now equipped with blowers and diffusers which have replaced the floating mechanical aerators. The new final settling tank will be completed in approximately two weeks. This clarifier will replace two existing rectangular clarifiers. One of these rectangular clarifiers will be used for sludge storage. The second will be used as a backup to the new clarifier. The AquaDisk tertiary filter is also nearing completion and will soon be on line.

The existing flow equalization tank will only be used when the influent wastewater has excessive solids. A turbidity meter upstream of the tank will trigger the tank to be used to store the raw wastewater during these events. The mix tank is currently off line for maintenance. Return activated sludge from the new clarifier will flow to this tank to be mixed with the raw influent prior to being discharged into the aerated lagoon. Mr. Brown indicated that treatment is improved when operating the plant in this manner.

At the time of the inspection, the aerated lagoon was receiving what appeared to be a sufficient amount of air. The contents of the clarifiers were turbid. The plant was producing an effluent that was turbid with solids present.

When the upgrades are completed, the two finishing ponds will only be used when the plant is not producing an acceptable effluent. The north pond did contain an excessive amount of algae. The south pond has lost capacity due to the buildup of solids.

During the inspection, Mr. Brown revealed that the final effluent composite sampler is not connected to the effluent flow meter. Part II, F of your National Pollutant Discharge Elimination System (NPDES) permit requires flow proportioned composite samples. Your sampler must be connected to the flow meter to collect a flow proportioned

composite sample. Also, grab samples are being collected using the composite sampler to draw wastewater from the effluent pipe. This method is not acceptable, as it will not yield a representative sample to conduct an oil & grease analysis. A representative grab sample could be collected at the outfall pipe as it discharges to Sugar Creek.

A review of your Discharge Monitoring Reports (DMRs) covering the period January 2007 through April 2008 revealed the following effluent violations:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2007	002	Phosphorus, Total (P)	30D Qty	1.1	1.30791	1/1/2007
January 2007	002	Biochemical Oxygen Dem	30D Qty	22.8	24.0941	1/1/2007
February 2007	002	Phosphorus, Total (P)	30D Qty	1.1	1.33364	2/1/2007
February 2007	002	Biochemical Oxygen Dem	30D Qty	22.8	26.5668	2/1/2007
March 2007	002	Total Suspended Solids	30D Qty	34.2	40.8325	3/1/2007
March 2007	002	Phosphorus, Total (P)	30D Qty	1.1	1.376	3/1/2007
March 2007	002	Biochemical Oxygen Dem	30D Qty	22.8	25.6130	3/1/2007
March 2007	002	Biochemical Oxygen Dem	1D Qty	34.2	35.2674	3/11/2007
May 2007	002	Phosphorus, Total (P)	30D Qty	1.1	1.31822	5/1/2007
May 2007	002	Biochemical Oxygen Dem	30D Qty	22.8	27.9214	5/1/2007
May 2007	002	Biochemical Oxygen Dem	1D Qty	34.2	40.0453	5/25/2007
July 2007	002	Total Suspended Solids	1D Qty	68.5	69.0384	7/6/2007
July 2007	002	Biochemical Oxygen Dem	1D Qty	34.2	41.3322	7/13/2007
August 2007	002	Phosphorus, Total (P)	30D Qty	1.1	1.28221	8/1/2007
August 2007	002	Biochemical Oxygen Dem	1D Qty	34.2	43.3692	8/3/2007
March 2008	002	Biochemical Oxygen Dem	30D Qty	22.8	28.1320	3/1/2008
April 2008	002	Biochemical Oxygen Dem	30D Qty	22.8	25.8335	4/1/2008

Should you have any questions or comments regarding this letter, please feel free to contact this office at (330) 963-1197.

Sincerely,

Dean W. Stoll, P.E.
Environmental Engineer
Division of Surface Water

DWS/mc

cc: Terry Brown, Brewster Dairy

File: Industrial/Permit Compliance