Region _NER_   County _Kewaunee_   Report Date _May 21, 1997_   Classification _LAL_

Water Body: _Unnamed tributary to the Kewaunee River_

Discharger: _Thiry Daems Cheese Factory_

If stream is classified as Limited Forage Fish (LFF) or Limited Aquatic Life (LAL), check any of the following Use Attainability Analysis factors that are identified in the classification report:

_____ Naturally occurring pollutant concentrations prevent the attainment of use

_✓_   _Flows only during runoff events._
Natural, ephemeral, intermittent or low flow conditions or water levels prevent the attainment of the use, unless these conditions may be compensated for by the discharge of sufficient volume of effluent discharges without violating State water conservation requirements to enable uses to be met

_____ Human caused conditions or sources of pollution prevent the attainment of the use and cannot be remedied or would cause more environmental damage to correct than to leave in place

_____ Dams, diversions or other types of hydrologic modifications preclude the attainment of the use, and it is not feasible to restore the water body to its original condition or operate such modification in a way that would result in the attainment of the use

_____ Physical conditions related to the natural features of the water body, such as the lack of a proper substrate, cover, flow, depth, pools, riffles, and the like, unrelated to water quality, preclude attainment of aquatic life protection uses

_____ Controls more stringent than those required by sections 301(b) and 306 of the Act would result in substantial and widespread economic and social impact

Supporting Evidence in the report (include comments on how complete/thorough data is)

_____ Biological Data (fish/invert) _No species presented but the Memo mentions the stream may get some spring spawning runs from the Kewaunee River._

_____ Chemical Data (temp, D.O., etc.) _None presented._

_____ Physical Data (flow, depth, etc.) _Memo cites low flows, noncontinuous nature._

_____ Habitat Description _None presented_

_____ Site Description/Map _Stream flows through agricultural lands. No Map._

_____ Other: _____

Historical Reports in file:

- _Memo from Mary Gansberg (NER) to Tom Tewes (NER) re: Stream Classification for Thiry Daems dated May 21, 1997. 1 page._   _Cheese factory_

Additional Comments/How to improve report:

LAL based on wetland condition of proposed discharge area. Cites 1989 DNR wetland inventory map.

CORRESPONDENCE/MEMORANDUM ——————————

DATE: May 21, 1997   FILE REF:

TO: Tom Tewes - Wastewater Management, Green Bay

FROM: Mary Gansberg, NER _Mary_

SUBJECT: Stream Classification - Thiry Daems

You asked me to make a stream classification determination for an unnamed tributary to the Kewaunee River (Twin-Door-Kewaunee Basin, Kewaunee River Watershed-TK03, Kewaunee County). This tributary is being considered for a proposed discharge of non-contact cooling water from the Thiry Daems Cheese Factory near Frog Station in T24N,R23E,S4,NENE (see attached map).

The unnamed tributary has a small drainage area of mostly agriculture lands. The tributary is non-continuous and only flows during runoff events. This tributary probably gets some early spring spawning runs from the Kewaunee River, but it cannot support much reproduction because of the early receding water levels. The streams potential biological use and therefore, classification should be limited aquatic life (LAL).

According to the DNR wetland inventory map (1989), the proposed discharge area is considered a wetland (forested, broad-leaved deciduous, wet soil, palustrine).

Therefore, since wetlands get marginal (LAL) limits, the receiving stream supports only LAL, and the Kewaunee River is warm water forage fish (WWFF) communities, **I recommend effluent limits for the Thiry Daems Cheese Factory be based on a <u>LAL (marginal) classification.</u>**

Do we need to get this "variance" classification included for the update of NR104? If so, how do you suppose we go about it?

C: Bernie Robertson - WT/2

Bernie - cc didn't know who in the wastewater program should get this, so I sent it to you. Could you please pass along to whoever might want this info? Thanks. Mary.

Thiry Daems

Kewaunee

Waste Pond

BR 684

River

BM 736

Tonet

St Martins Cem

Frog Station

Gravel Pit

Proposed discharge

NORTH ADAMS ROAD

RIVER BR 707 ROAD ROAD

North Brook Country Club

RENDEZVOUS

LOWELL

NORTH BROOK ROAD

Gravel Pits

Creek

Lavenburg

HILLVIEW ROAD

Spiritualist Cem

School

HERITAGE

BM 755

31 32 33 34

5 4 3

8 9 10

17 16 15