

NR 226



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

L. P. Voigt  
Secretary

BOX 450  
MADISON, WISCONSIN 53701


IN REPLY REFER TO: \_\_\_\_\_

STATE OF WISCONSIN )  
 )  
DEPARTMENT OF NATURAL RESOURCES ) ss

TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, L. P. Voigt, Secretary of the Department of Natural Resources and custodian of the official records, do hereby certify that the annexed copy of Natural Resources Board Order No. W-8-74 (E) has been compared by me with the original order on file in this office of the Department of Natural Resources, Madison, Wisconsin, and that the same is a true copy thereof, and of the whole of such original order; that said order was duly passed and published as set forth therein.

IN TESTIMONY WHEREOF, I have hereunto set my hand at the Pyare Square Building in the City of Madison, this 17<sup>th</sup> day of January, 1974.

  
L. P. Voigt, Secretary

(SEAL)

STATE OF WISCONSIN NATURAL RESOURCES BOARD

.....  
IN THE MATTER of creating NR 226 .  
of the Wisconsin Administrative .  
Code .  
.....

ORDER NUMBER W-8-74 (E)

ORDER OF THE STATE OF WISCONSIN NATURAL RESOURCES

BOARD CREATING RULES

Pursuant to authority vested in the State of Wisconsin Natural Resources Board by sections 147.04(5) and 227.027, Wisconsin Statutes, the State of Wisconsin Natural Resources Board hereby creates rules as follows:

CHAPTER NR 226

Interim Effluent Limitations for the  
Canned and Frozen Fruit and Vegetable Industries  
Wisconsin Pollutant Discharge Elimination System

NR 226.01 Purpose. The purpose of this chapter is to establish interim effluent limitations for discharges from industrial point sources identified herein as authorized by section 147.04(5), Wisconsin Statutes.

226.02 Applicability. These limitations apply to Standard Industrial Classification (SIC) Codes 2033, Canned Fruits and Vegetables; 2034, Dried and Dehydrated Fruits and Vegetables; and 2037, Frozen Fruits and Vegetables (1967 SIC Manual). Effluent limitations are set by commodity. The limitations cover only the listed commodities. SIC codes 2031, 2032, 2035 and 2036 are not covered.

226.03 Application of Interim Limitations

- (1) The limitations may be used only for very large installations, i.e., those producing over 500 cases per hour and operating over a period of six continuous months or more. Commodity areas are limited to citrus, asparagus and apples.
- (2) Other interim effluent limitations in chapter NR 217, Wisconsin Administrative Code, are applicable to discharges from facilities which belong in the classifications of this section but are excluded from, or not specifically included in, its provisions.

226.04 Description of Abatement Models. The following paragraphs describe in general terms the type of treatment facilities considered to be best practicable treatment technology for the purpose of establishing the interim effluent limitations of this chapter. This description is included to illustrate the type of treatment required. Other treatment technology may be acceptable.

The wastewater from this industry is generally characterized as containing a high percentage of soluble organic material. For this reason biological treatment is considered the best practicable method of treatment. The following waste management control system and process controls were used as a model for developing the recommended effluent limitations for this industry:

- (1) Use of in-plant controls to conserve water use and reduce waste loads through:
  - (a) Maximum practicable recirculation and reuse of cooling, condensate, fluming, cleaning, washing, and filling waters.
  - (b) Dry handling and disposal of solids wastes from floors, machines, and other work areas.
  - (c) Positive control for the prevention of unnecessary overflows, spillages, and dumps.
  - (d) The elimination of excess running water.
- (2) Use of dry caustic peeling or equivalent procedures wherever technically feasible.
- (3) Maximum by-product recovery
- (4) Elimination of extraneous and uncontrolled drainage from refuse storage areas.
- (5) Flow equalization
- (6) Biological oxidation using aerated lagoons or activated sludge.
- (7) Secondary clarification depending upon particular treatment mode.
- (8) Disinfection, if necessary.

226.05 Table of Interim Effluent Limitations

<u>Material Processed</u>	<u>Pounds Per Ton of Raw Material Processed (1)</u>	
	<u>BOD5</u>	<u>Suspended Solids</u>
Apples	1.4	1.9
Apricots	2.7	3.6
Asparagus	3.0	3.0
Beans, Snap	1.6	2.0
Beets	1.2	1.6
Carrots	1.2	1.7
Cherries	0.9	1.2
Citrus	0.6	0.6
Corn	0.8	1.1
Peas	1.9	2.6
Peaches	2.0	2.6
Pears	1.2	1.6
Potato	1.0	1.4
Pumpkin & Squash	0.5	0.7
Sauerkraut	0.3	0.2
Spinach	2.2	2.9
Sweet Potato	0.9	1.2
Tomato	0.9	1.2

Settleable solids for all materials not more than 0.1 milliliter per liter  
NOTE: (1) - daily average per ton of production during highest 7  
consecutive days of production for each commodity.

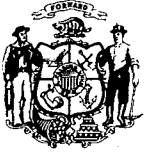
The rules contained herein shall take effect upon publication on  
February 1, 1974.

Dated at Madison, Wisconsin JAN 17 1974

STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES

By   
L. P. Voigt, Secretary

(SEAL)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

L. P. Voigt  
Secretary

January 16, 1974

BOX 450  
MADISON, WISCONSIN 53701

IN REPLY REFER TO: 1020


Mr. James J. Burke  
Revisor of Statutes  
411 West  
C A P I T O L

Dear Mr. Burke:

Enclosed is State of Wisconsin Natural Resources Board Order No. W-8-74 (E) for filing as required by section 147.04(5), Wisconsin Statutes.

These are interim rules concerning Effluent Limitations for the Canned and Frozen Fruit and Vegetable Industries adopted pursuant to section 227.027, Wisconsin Statutes, and are effective the day of publication, in the official state paper, which is February 1, 1974.

Very truly yours,

  
L. P. Voigt  
Secretary

Enc.