

NR 258



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-14-74 (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 17th day of January, 1974.



L. P. Voigt, Secretary

(SEAL)

STATE OF WISCONSIN NATURAL RESOURCES BOARD

.....
IN THE MATTER of creating NR 258 .
of the Wisconsin Administrative .
Code .
.....

ORDER NUMBER W-14-74 (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 258
Interim Effluent Limitations for the
Meat and Poultry Products Industry
Wisconsin Pollutant Discharge Elimination System

NR 258.01 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.

258.02 Applicability. These limitations apply only to Standard Industrial Classification codes 2011, 2013 and 2015 and the following categories.

- (1) Meat Packing
 - (a) Slaughterhouse
 - (b) Packinghouse
 - (c) Processing Plant Only
- (2) Processing
 - (a) Broilers (eviscerating)
 - (b) Broilers (eviscerating cut-up)
 - (c) Fowl and Duck
 - (d) Turkeys
- (3) Operations Excluded. Off-site rendering plants are not included.

258.03 Production Basis. Discharge limitations are based on live weight killed (lwk). Daily discharge limits are based on lwk at daily production capacity which shall be the highest average level of production for seven consecutive operating days of normal production.

258.04 Application of Limitations. These limitations apply only to facilities exceeding the following:

<u>Category</u>	<u>Maximum Capacity</u>
Beef Slaughter Only	greater than 800,000 lbs lwk/day
Mixed Slaughter	greater than 100,000 lbs lwk/day
Packing Houses	greater than 100,000 lbs lwk/day
Meat Processing	greater than 10,000 lbs of product per day
Poultry Processing	greater than 40,000 lbs lwk/day

Other interim effluent limitations in chapter NR 217 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.

Allowable waste loads for a packinghouse may require adjustment when normal day-to-day processing is less or greater than would usually be related to the live weight kill. Manufactured edible products refers to such products as sausage, bacon and hot dogs.

Phosphate and ammonia may be significant parameters depending on production and treatment methods, particularly ammonia in treated effluent from systems using anaerobic lagoons.

258.05 Description of Abatement Models

- (1) Meat Packing - the following process considerations and treatment facilities represent best practicable pollution control technology although other methods may be satisfactory.

Efficient blood collection

Dry handling of paunch

Dry clean-up prior to wash down

High pressure spray system for wash down

Screening and grit removal

Dissolved air flotation

Anaerobic lagoons followed by aerated lagoons or activated sludge systems

Disinfection.

Wastewaters from this industry are readily amenable to biological treatment to effluent quality levels of 30 and 40 mg/l of BOD₅ and suspended solids respectively.

- (2) Poultry Processing - the following process considerations and treatment facilities represent the best practicable pollution control technology currently available although other methods may be satisfactory.

Efficient blood collection

Dry clean-up prior to wash down

High pressure water spray systems for wash down

Reuse of chiller water in such areas as the feather flume

Grease removal

Biological oxidation by activated sludge or aerated lagoon systems

Disinfection

Wastewaters from this industry are readily amenable to biological treatment to effluent quality levels of 20 and 30 mg/l of BOD₅ and suspended solids respectively.

258.06 Table of Interim Effluent Limitations (In Pounds per 1000 Units)

<u>Subcategory</u>	<u>Unit</u>	<u>Limitation</u>	
		<u>BOD₅</u>	<u>Suspended Solids</u>
(1) Meat Packing			
(a) Slaughterhouse	lb. lwk (1)	0.17	0.23
(b) Packinghouse	lb. lwk	0.26	0.35
(c) Processing Plant Only	lb. Prod.	0.26	0.26
(2) Poultry Processing (2)			
(a) Broilers (eviscera- ting)	lb. lwk	0.41	0.62
(b) Broilers (eviscera- cut-up)	lb. lwk	0.46	0.60
(c) Fowl & Duck (3)	lb. lwk	0.4	0.62
(d) Turkeys	lb. lwk	0.4	0.62

For all categories; settleable solids not to exceed 0.1 ml/l

NOTES:


- (1) Live weight killed
- (2) Limitations do not include rendering
- (3) For plants doing cooking, boning, and dicing, limitations may be increased up to 15%

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

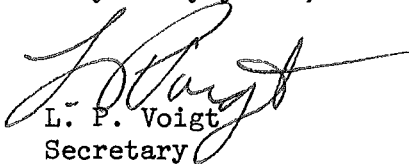
Mr. James J. Burke
Revisor of Statutes
411 West
C A P I T O L

Dear Mr. Burke:

Enclosed is State of Wisconsin Natural Resources Board Order No. W-14-74 (E) for filing as required by section 147.04(5), Wisconsin Statutes.

These are interim rules concerning Effluent Limitations for the Meat and Poultry Products Industry 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.