



NR 112

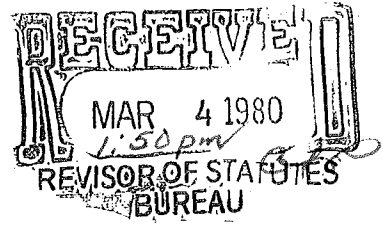
State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Anthony S. Earl
Secretary

BOX 7921
MADISON, WISCONSIN 53707

IN REPLY REFER TO: _____

STATE OF WISCONSIN)
)
DEPARTMENT OF NATURAL RESOURCES) SS



TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Anthony S. Earl, Secretary of the Department of Natural Resources and custodian of the official records of said Department, do hereby certify that the annexed copy of Natural Resources Board Order No. WQ-3-79 was duly approved and adopted by this Department on June 28, 1979. I further certify that said copy has been compared by me with the original on file in this Department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the Department at General Executive Facility #2 in the City of Madison, this 1st day of March, 1980.

Anthony S. Earl
Anthony S. Earl, Secretary

(SEAL)

ORDER OF THE STATE OF WISCONSIN NATURAL RESOURCES BOARD

AMENDING RULES

.....
 IN THE MATTER of amending section .
 NR 112.15(8)(b) of the Wisconsin .
 Administrative Code pertaining to .
 the injection of pesticides into .
 the well discharge pipe of an .
 irrigation system .

WQ-3-79

Analysis Prepared by Department of Natural Resources

The purpose of the amendment to section NR 112.15(8)(b), Wis. Adm. Code, is to permit the injection of pesticides into the well pump discharge pipe of an irrigation system providing either a barometric pipe loop or an ASSE, American Society of Sanitary Engineers, or University of Southern California approved reduced pressure backflow preventer is installed and the point of injection of pesticides follows the backflow preventer. This will protect the groundwater from possible pesticide contamination while allowing a simpler and more efficient method of pesticide application.

Pursuant to the authority vested in the State of Wisconsin Natural Resources Board by sections 162.01, 162.03(1)(e) and 227.014, Wisconsin Statutes, the State of Wisconsin Natural Resources Board hereby amends rules interpreting sections 144.025(2)(c) and 144.025(2)(e) and 162.01, Wisconsin Statutes, as follows:

SECTION 1 - Section NR 112.15 (8) (b) is amended to read:

(b) Non-potable water supplies. 1. Injection of fertilizers. a. The [I]njection of fertilizers into the a well or well pump suction pipe is prohibited.

b. The [i]njection of fertilizers into a pump discharge pipe should preferably be done in the discharge pipe of a booster pump delivering water from a ~~reservoir~~ concrete or steel tank or sealed pond into which the well pump discharges with a free air-break from a point at least 2 discharge pipe diameters above the overflow level of the tank or pond, rather than into the discharge pipe of a well pump connected directly to the water system.

c. If [I]njection of fertilizer into the well pump discharge pipe is planned acceptable, providing it shall be is done with a an approved positive displacement type of chemical feed pump at a point following a barometric pipe loop extending at least 30 feet above the highest part of the irrigation system; or a reduced pressure backflow preventer made to and meeting AWWA C506-78 or ASSE 1013 standards; or an underwriters laboratories (UL) approved check valve and preferably a double UL check valve installed in the well pump discharge pipe at the well site. The chemical feed pump shall be shut off at least 5 minutes prior to shutting off of the well pump so as to purge the chemical from the water ~~line~~ system. Injection of pesticides into the well pump discharge line is prohibited.

2. Injection of pesticides. a. The injection of pesticides into a well or well pump suction is prohibited.

b. The injection of pesticides into a water system should preferably be done in the discharge pipe of a booster pump delivering water from a concrete or steel tank or sealed pond into which the well pump discharges with a free

air-break from a point at least 2 discharge pipe diameters above the overflow level of the tank or pond.

c. Injection of pesticides into the well pump discharge pipe is prohibited, unless the injection is done with an approved positive displacement type of chemical feed pump at a point following a barometric pipe loop extending to a minimum height of 30 feet above the highest point in the irrigation system or an approved reduced pressure backflow preventer made to and meeting AWWA C506-78 or ASSE 1013 standards, installed in the well pump discharge pipe at the well site but subject to the following conditions:

1) That the department of natural resources shall be notified by the owner of an irrigation system of the installation of a reduced pressure backflow preventer in such system.

2) The backflow preventer shall be installed above flood level and the location shall be accessible for testing, inspection and maintenance.

3) The reduced pressure backflow preventer shall not be bypassed or made inoperative nor shall it be removed from an irrigation system in which pesticides continue to be injected into the pump discharge pipe.

4) An annual testing of the reduced pressure backflow preventer shall be conducted with a differential pressure gauge testing method for reduced pressure backflow preventers by the local plumbing inspector or a person certified by the state department of health and social services, and the owner of the system shall supply a report of the test results to the department before each irrigation season.

5) Pesticide application and use done in compliance with this section must also conform to rules concerning application and use of pesticides contained in section Ag 29.10, Wis. Adm. Code.

3. Standards and tests. a. Copies of the above mentioned ASTM, ASSE and UL standards are available for inspection at the office of the department of natural resources, the secretary of state, or the office of the revisor of statutes, and respective copies may be obtained for personal use from the American Society of Testing and Materials, 1916 Race Street, Philadelphia, Pennsylvania 19103; the American Society of Sanitary Engineers, 960 Illumination Building, Cleveland, Ohio 44113 and Underwriters Laboratories, Inc., 207 East Ohio Street, Chicago, Illinois 60611.

b. Lists of approved reduced pressure backflow preventers, check valves and positive displacement feed pumps are available for inspection at the offices of the department of natural resources.

c. Certification as a tester may be obtained from the Wisconsin Department of Health and Social Services, Washington Square Building, 1414 E. Washington Avenue, Madison, Wisconsin following successful completion of one of the training courses provided by the University of Wisconsin Extension, Madison, Wisconsin or the University of Southern California School of Engineering, University Park, Los Angeles, California 90007.

The foregoing rules were approved and adopted by the State of Wisconsin Natural Resources Board on June 28, 1979.

The rules contained herein shall take effect upon publication as provided in section 227.026, Wisconsin Statutes.

Dated at Madison, Wisconsin

29 February 1980

STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES

By

Anthony S. Earl

Anthony S. Earl, Secretary

(SEAL)



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Anthony S. Earl
Secretary

March 4, 1980

BOX 7921
MADISON, WISCONSIN 53707

IN REPLY REFER TO: 1020

Mr. Orlan L. Prestegard
Revisor of Statutes
411 West
C A P I T O L

Dear Mr. Prestegard:

Enclosed are two copies, including one certified copy, of State of Wisconsin Natural Resources Board Order No. WQ-3-79. These rules were reviewed by the Assembly Environmental Resources Committee and the Senate Natural Resources and Tourism Committee pursuant to sec. 227.018, Stats. There were no comments.

You will note that this order takes effect upon publication. Kindly publish it in the Administrative Code accordingly.

Sincerely,

A handwritten signature in dark ink, appearing to read 'A. Earl', written over the typed name.

Anthony S. Earl
Secretary

Enc.