

1 Board of Animal Health

2

3 Adopted Rules of the State Board of Animal Health, Governing the
4 Control of Swine Pseudorabies

5

6 Rules as Adopted

7 3 MCAR S 2.026 Pseudorabies control.

8 A. Definitions. As used in this rule, the terms defined in
9 this part have the meanings given them.

10 1. "Board" means the Board of Animal Health.

11 2. "Breeding herd" means all swine on one premises which
12 are at least six months old, which are maintained for breeding
13 purposes, which are kept separated from all swine from other
14 sources, and for which care personnel and equipment are not
15 interchanged with other herds.

16 3. "Infected herd" means a swine herd in which
17 pseudorabies has been diagnosed in one or more animals by an
18 official test, clinical diagnosis by a veterinarian, or
19 laboratory diagnosis. The final determination of the herd
20 status must be made by a state or federal district regulatory
21 veterinarian.

22 4. "Isolation" means maintenance of swine in a manner
23 which will ensure (1) that the swine have no physical contact
24 with other domestic animals on the premises, (2) that all
25 drainage of organic waste is handled to prevent it from having
26 contact with any other swine on the premises, and (3) that the
27 swine are separated from other animals by a lot or road or are
28 held in a confinement building.

29 5. "Official pseudorabies test" means the serum
30 neutralization test or other test tests approved by the board
31 United States Department of Agriculture which may be approved by
32 the board if it finds that they are appropriate for the
33 detection of pseudorabies. In approving additional tests the
34 board shall consider scientific evidence of their reliability,
35 the opinions of experts, experience with their use, their
36 cost-effectiveness, and their hazards, if any. The board shall

Jul 6-84

1 keep a list of approved tests available to the public.

2 6. "Pseudorabies controlled vaccinated herd" means a
3 breeding herd in which all animals over six months old have been
4 tested negative for pseudorabies and then officially vaccinated
5 within 15 days under the direction of the board and monitored
6 pursuant to J.2.

7 7. "Qualified pseudorabies negative herd" means a herd of
8 swine which has been free of pseudorabies for the previous 12
9 months, in which all swine over six months old have been
10 initially tested negative for pseudorabies, and for which the
11 procedures in I. have been followed.

12 8. "Quarantined herd" means an infected herd which is
13 maintained on the quarantined premises so as not to have contact
14 with animals belonging to other owners.

15 9. "Restricted movement swine" means breeding or feeding
16 swine of unknown pseudorabies status which are sold in Minnesota
17 through a swine concentration point.

18 10. "Slaughter-only market" means a state-and federally
19 approved slaughter market for swine in which all swine moving
20 through the facility are consigned directly to a slaughter
21 establishment or sold for direct reassignment to a recognized
22 slaughter establishment.

23 11. "Swine concentration point" means a facility or
24 location where swine are assembled for sale or resale for
25 feeding, breeding, or slaughter purposes and where contact may
26 occur between groups of swine from various sources. "Swine
27 concentration point" includes, without limitation, a public
28 stockyard, auction market, street market, state or federal
29 market, untested consignment sales location, buying station, and
30 livestock dealer's yard, truck, and facility.

31 B. Pseudorabies test procedures. Blood samples drawn in
32 administering an official pseudorabies test must be drawn by an
33 accredited veterinarian, and serological tests must be conducted
34 by a ~~state-and-federally-approved-laboratory-or-ether~~ laboratory
35 approved by the board United States Department of Agriculture.

36 Animals tested must be individually identified by eartag,

1 tattoo, registration number, or standard ear notch. The
2 identification procedure number must be recorded on the test
3 form.

4 C. Disease reporting. When clinical or laboratory evidence
5 indicates the presence of pseudorabies in an individual animal
6 or herd, the veterinarian or laboratory shall report that
7 diagnosis to the board within two business days.

8 D. Infected herd; procedures.

9 1. The board shall immediately quarantine an-infected a
10 herd which is affected with, which shows symptoms of, or which
11 has been exposed to pseudorabies, as authorized by Minnesota
12 Statutes, section 35.05.

13 2. Livestock other than swine which are infected with
14 pseudorabies ~~or-exposed-to-animals-infected-with-pseudorabies~~
15 must be quarantined. The board shall lift the quarantine 21
16 days after the diagnosis ~~or-exposure~~ of infection if there are
17 no signs of pseudorabies in the quarantined livestock.

18 3. When species of animals other than swine have been
19 diagnosed as having pseudorabies, the state or federal district
20 veterinarian shall conduct an epidemiological investigation of
21 any swine on the premises. The investigation must include blood
22 testing of ten percent of the ~~elder~~ swine over four months of
23 age, made up of a minimum of ten head selected randomly. The
24 owner shall pay the laboratory fees associated with this
25 testing. If pseudorabies reactors are disclosed, or if the
26 owner refuses to cooperate in carrying out the test, the swine
27 herd must be quarantined in accordance with the quarantine
28 procedures of this rule.

29 4. Livestock from an infected herd may be disposed of
30 pursuant to a. or b.

31 a. Market or breeding swine or other infected or
32 exposed species may only be sold to for slaughter via a
33 federally approved slaughter market, public stockyard, packer
34 buying station, or directly to a slaughter plant accompanied by
35 a shipping permit or an owner's notice of shipment.

36 b. Feeder pigs may only be sold to a quarantined

1 feedlot accompanied by a shipping permit or an owner's notice of
 2 shipment. The quarantined swine feedlot must be a feedlot where
 3 purchased quarantined swine can be fed out in isolation from
 4 other domestic animals and where a state or federal veterinarian
 5 has determined that:

6 (1) no breeding swine are on the premises; and

7 (2) the feedlot owner agrees to sell all the swine
 8 from the feedlot directly for slaughter accompanied by a
 9 shipping permit or owner's notice of shipment; ~~and~~

10 ~~(3) prior to its approval as a quarantined feedlot,~~
 11 ~~the lot is inspected for compliance by a state or federal~~
 12 ~~regulatory veterinarian.~~

13 5. No person may sell swine which are known to be
 14 infected with or have been exposed to pseudorabies, except
 15 directly to slaughter or, in the case of feeder pigs, to a
 16 quarantined feedlot.

17 E. Release of quarantine.

18 1. Swine herd quarantine release may be accomplished by
 19 any of the methods in a.-c.

20 a. The entire herd may be sold to slaughter
 21 accompanied by a shipping permit or owner notice of shipment.
 22 The premises must be cleaned and disinfected under the direction
 23 of the board. The quarantine may must be released 30 days after
 24 completion of the cleaning and disinfection.

25 b. All swine positive to an official test may be
 26 removed from the premises. All remaining swine in the breeding
 27 herd must then pass a negative official test at least 30 days
 28 after the removal of the infected swine and a second negative
 29 official test of the breeding herd at least 30 days after the
 30 first negative official test before the quarantine is released.

31 c. Progeny may be weaned, isolated from a quarantined
 32 herd under direction ~~and supervision~~ of the board, and pass two
 33 negative official tests of 100 percent of these pigs at least 30
 34 days apart.

35 2. When an epidemiological evaluation and herd history
 36 indicate establish that a tentative diagnosis of pseudorabies is

1 the result of a vaccination reaction, the quarantine may must be
2 released. The epidemiological evaluation must be conducted by
3 under the direction of the district veterinarian and must
4 include at-least all the items in a.-d.

5 a. The herd owner shall submit a signed statement that
6 the animal diagnosed as having pseudorabies was either
7 vaccinated for pseudorabies or was the progeny of a vaccinated
8 animal ~~and-of-an-age-when-maternal-antibodies-would-normally-be~~
9 present. The owner shall also state that, to the best of his
10 knowledge, he has not seen any indication of psuedorabies in the
11 herd.

12 b. The attending veterinarian shall submit a signed
13 statement that he has not seen symptoms of pseudorabies in the
14 herd.

15 c. Evidence must be submitted to document the use of
16 pseudorabies vaccine in the herd. Acceptable evidence includes
17 purchase records, owner vaccination request forms, and or other
18 ~~relevant-items~~ reliable evidence that the owner has vaccinated
19 his herd for pseudorabies.

20 d. A negative pseudorabies test must be conducted, at
21 the owner's expense, on at least 20 unvaccinated swine over four
22 months of age. ~~if-necessary,-additional-testing-may-be~~
23 ~~conducted-at-the-discretion-of-the-state-or-federal-veterinarian.~~

24 3. A quarantine on livestock other than swine may must be
25 released 21 days after the diagnosis or exposure if there are no
26 signs of pseudorabies in the herd.

27 4. Pseudorabies tests conducted on a quarantined premises
28 are at the owner's expense.

29 5. A state or federal regulatory veterinarian must make
30 the final determination on quarantine release.

31 F. Pseudorabies traceback to source herd.

32 1. The owner of a herd in which pseudorabies has been
33 diagnosed shall furnish the following information to the board:

34 a. a list of sources of purchases of feeding or
35 breeding swine during the preceding year; and

36 b. a list of sales of feeding or breeding swine during

1 the preceding year.

2 2. a. If pseudorabies is diagnosed in breeding or
3 feeding swine which have been purchased from another swine
4 producer within the preceding 12 months, the board ~~may~~ shall
5 require a pseudorabies test of ten percent of the breeding herd
6 of the seller or ten percent of the progeny over four months of
7 age of a vaccinated herd.

8 b. If pseudorabies titres are disclosed on a test
9 conducted pursuant to a. or the owner refuses to test, the herd
10 must be considered to be an infected herd ~~until-the-purchased~~
11 ~~swine-are-tested-and-found-negative~~.

12 c. Testing pursuant to a. or b. must be done at the
13 swine owner's expense.

14 G. Intrastate movement of breeding swine.

15 1. No person may sell, lease, or loan breeding swine
16 within the state of Minnesota unless the swine are accompanied
17 by a health certificate or test chart provided by the seller
18 which includes:

19 a. identification by an a yellow metal eartag, tattoo,
20 brand, or ear notch recognized by a breed association; and

21 b. a negative pseudorabies test conducted within 30
22 days prior to the sale, except for swine from a qualified
23 pseudorabies negative herd or a pseudorabies controlled
24 vaccinated herd.

25 2. a. Breeding swine sold through a swine concentration
26 point where they could come in contact with feeder pigs, market
27 hogs, or other untested swine, are restricted movement breeding
28 swine.

29 b. Restricted movement breeding swine must be
30 identified at the swine concentration point by a ~~one-half-inch~~
31 ~~diameter-hole-punched~~ yellow metal eartag in the right ear and
32 ~~an-eartag~~.

33 c. Restricted movement breeding swine must be moved
34 from the swine concentration point to the herd of destination
35 accompanied by a ~~document~~ certificate explaining the restricted
36 movement breeding swine status. A copy of this restricted

1 movement certificate must be retained for two years at the swine
2 concentration point and one copy must be submitted to the
3 board. At the herd of destination they must be maintained in
4 the herd until they have farrowed and then must be sold for
5 slaughter. Restricted movement breeding swine may not be resold
6 for breeding purposes except pursuant to f.

7 d. Restricted movement breeding swine purchased at a
8 swine concentration point by a livestock dealer for resale
9 purposes must be:

10 (1) maintained separately from other swine until
11 resold;

12 (2) accompanied to the farm of destination by a
13 document explaining the restricted movement breeding swine
14 status; and

15 (3) maintained on the farm of destination, farrowed,
16 and sold in the manner set forth in c.

17 e. Restricted movement breeding swine may be sold for
18 slaughter as cull sows or boars through any livestock marketing
19 channel. They may not, however, be sold through a marketing
20 facility at which breeding stock is sold unless the facility
21 maintains separate chutes, pens, and scales for breeding swine.

22 f. The restricted movement breeding swine
23 classification may be removed from swine by a negative
24 pseudorabies test conducted at least 30 days after movement of
25 the swine through the swine concentration point.

26 g. All swine which are maintained in contact with
27 restricted movement breeding swine in the herd of destination
28 are also restricted movement swine ~~and must be handled~~
29 accordingly.

30 Swine classified as restricted movement swine because of
31 exposure to restricted movement breeding swine may not be resold
32 except to slaughter unless they are tested negative to
33 pseudorabies.

34 H. Intrastate movement of feeder pigs.

35 1. a. All feeder pigs sold in Minnesota through a swine
36 concentration point are must be classified as restricted

1 movement feeder pigs. Restricted movement feeder pigs are not
 2 eligible for resale through a second swine concentration point
 3 except as provided in 4.

4 b. 2. Restricted movement feeder pigs must be identified at
 5 the swine concentration point by a one-half inch diameter hole
 6 punched in the right ear and ~~an~~ or by a yellow metal eartag.
 7 ~~They are not eligible for resale through a second~~ The choice of
 8 identification is made by the management of the swine
 9 concentration point.

10 e. 3. Restricted movement feeder pigs bearing a yellow
 11 metal eartag must be moved from the swine concentration point to
 12 the herd of destination accompanied by a document certificate
 13 explaining the restricted movement feeder pig status. A copy of
 14 this restricted movement certificate must be retained for two
 15 years at the swine concentration point and one copy must be
 16 submitted to the board. Feeder pigs bearing the one-half inch
 17 ear punch need not be accompanied by a certificate. At the herd
 18 of destination they all restricted movement feeder pigs must be
 19 maintained in ~~separation~~ isolation from breeding swine until
 20 they are sold for slaughter. They may not be used for breeding
 21 purposes or resold for breeding purposes except pursuant to ~~f.~~ 6.

22 d. 4. Restricted movement feeder pigs purchased at a
 23 swine concentration point by a livestock dealer for resale
 24 purposes must be:

25 ~~(1)~~ a. maintained separately from other swine until
 26 resold;

27 ~~(2)~~ b. accompanied to the farm of destination by a
 28 document explaining the restricted movement feeder pig status;
 29 and

30 ~~(3)~~ c. maintained on the farm of destination, fed out,
 31 and sold pursuant to e. 5.

32 e. 5. Restricted movement feeder pigs may be sold as
 33 market hogs through any livestock marketing channel. They may
 34 not, however, be sold through a marketing facility at which
 35 breeding stock is sold unless the facility maintains separate
 36 chutes, pens, and scales for breeding swine.

1 ~~f~~ 6. The restricted movement feeder pig classification
2 may be removed from swine by a negative pseudorabies test
3 conducted at least 30 days after movement of the swine through
4 the swine concentration point.

5 I. Qualified pseudorabies negative herd procedures.

6 1. To qualify a herd for qualified pseudorabies negative
7 herd status:

8 (a) the herd must have been free of pseudorabies for
9 the previous 12 months;

10 (b) all breeding stock six months of age or older must
11 have passed an initial negative pseudorabies test; and

12 (c) the herd owner must sign a herd agreement of
13 compliance.

14 2. Following the receipt by the board of a report of the
15 initial negative herd test and the signed herd agreement, the
16 board shall issue a numbered qualified herd certificate. The
17 initial qualification is valid for 90 days or until the next
18 scheduled requalification test.

19 3. The pseudorabies status of a qualified pseudorabies
20 negative herd must be monitored and its status maintained by
21 having a negative test of at least 25 percent of the breeding
22 herd every 80 to 100 days. All breeding swine must be subject
23 to at least one official test once a year. No swine may be
24 tested twice in one year to comply with the 25 percent test
25 requirement.

26 If there are ten or fewer swine at least six months of age
27 in the herd at any quarterly requalification test, all swine at
28 least six months of age must be tested.

29 If the breeding herd is maintained on more than one
30 premises, 25 percent of the animals on each premises must be
31 tested for each requalification.

32 4. The board shall cancel qualified pseudorabies negative
33 herd status if any swine show a positive test or are diagnosed
34 as having pseudorabies, if herd additions are made contrary to
35 5., or for failure to comply with 3.

36 Swine herds which have lost their qualified pseudorabies

1 negative herd status may regain that status by being free of
2 pseudorabies for a period of 12 months and by following the herd
3 qualification procedure outlined in 1.

4 5. a. All purchased additions, except those purchased
5 pursuant to b., must have a negative test for pseudorabies
6 within 30 days prior to movement, and must be isolated and
7 retested negative at least 30 and within 45 days from the date
8 of their receipt upon the premises.

9 b. Additions may be purchased directly from a
10 qualified pseudorabies negative herd or a pseudorabies
11 controlled vaccinated herd without the negative 30-day test
12 prior to movement. These animals, however, must be isolated and
13 tested negative at least 30 and within 45 days after their
14 receipt. Purchased additions are not considered to be part of
15 the herd for monitoring pursuant to 3. until 30 days after the
16 test.

17 c. Swine returned to qualified pseudorabies negative
18 herds from exhibitions or which are otherwise commingled with
19 swine from herds not qualified must be kept in isolation upon
20 return for 30 days and have a negative official pseudorabies
21 test before rejoining the herd.

22 6. Swine from a qualified pseudorabies negative herd may
23 be sold in Minnesota for breeding or feeding purposes without
24 further testing or restriction of movement unless they are sold
25 through a swine concentration point.

26 J. Pseudorabies controlled vaccinated herd procedures.

27 1. Progeny of a pseudorabies controlled vaccinated herd
28 do not need to be vaccinated until they enter the breeding herd.

29 2. To maintain and monitor the status of a pseudorabies
30 controlled vaccinated herd, at least 25 percent of the progeny
31 between the ages of four and five months must have a negative
32 pseudorabies test every 90 days.

33 3. All purchased additions to a pseudorabies controlled
34 vaccinated herd must be tested negative for pseudorabies within
35 30 days prior to their arrival or must originate from a
36 qualified pseudorabies negative herd.

1 All purchased additions, however, must be isolated and
2 retested negative in not less than 30 nor more than 45 days and
3 then vaccinated for pseudorabies within 15 days of the test.

4 4. Progeny from a pseudorabies controlled vaccinated herd
5 may be sold in Minnesota for breeding or feeding purposes
6 without further testing.

7 Vaccinated animals from a pseudorabies controlled
8 vaccinated herd may be sold for breeding purposes only with a
9 negative test within 30 days prior to the sale.

10 5. If a pseudorabies controlled vaccinated herd is
11 determined to be infected with pseudorabies, the herd must be
12 quarantined and the owner must comply with D. to have the
13 quarantine released.

14 6. If one of the herd monitoring tests discloses low
15 titres (1:8 or less) in one or more animals which may be caused
16 by vaccination maternal antibodies, an epidemiological
17 evaluation may be conducted by the district veterinarian
18 which may include, ~~without limitation,~~ a retest of the titred
19 swine in 30 days and a test of 20 other unvaccinated animals
20 over four months of age.

21 During the process of this epidemiological evaluation,
22 swine from this herd are temporarily ineligible for sale except
23 to slaughter.

24 Failure to allow this evaluation will result in herd
25 quarantine and the loss of controlled vaccinated herd status.

26 The final determination of the status of the herd must be
27 made by the district veterinarian involved.

28 K. Community notification of pseudorabies infection in a
29 neighborhood. Within 14 days of declaration of a quarantine or
30 approval of quarantined feedlot status, the district
31 veterinarian shall notify livestock owners within a one-mile
32 radius of the infected herd or quarantined feedlot. The
33 district veterinarian shall also notify the clerk of the
34 township board of the affected township in writing.

35 L. Exhibition of swine.

36 1. Swine may be exhibited at fairs, livestock

1 exhibitions, or consignment sales if they are in compliance with
2 a. or b.

3 a. All swine exhibited or sold, except at exhibitions
4 described in b., must be accompanied by a health certificate
5 showing:

6 (1) a negative pseudorabies test within 30 days
7 prior to the start of the exhibition or origination from a
8 qualified pseudorabies negative herd or a pseudorabies
9 controlled vaccinated herd; and

10 (2) a statement that the swine did not originate
11 from a herd that has had pseudorabies during the previous 12
12 months.

13 b. Health certificates are not required for swine
14 exhibited:

15 (1) at a terminal show or slaughter class where
16 swine are exhibited under the following conditions:

17 (a) where exhibited swine are sent directly to
18 slaughter after the exhibition;

19 (b) where no other species are housed in the same
20 show barn at the same time; and

21 (c) where swine are unloaded at a separate chute
22 from other species; or

23 (2) at an untested terminal swine show held at the
24 end of the exhibition after other species have gone home.

25 2. No swine from a quarantined herd may be exhibited at
26 any type of exhibition.

27 3. Swine returning to the exhibitor's home herd or to a
28 purchaser's herd from exhibitions or consignment sales must be
29 isolated and retested negative for pseudorabies not less than 30
30 nor more than 60 days after return from the exhibit.

31 4. Rule LSB 40 contains other swine exhibition
32 requirements.

33 5. Out-of-state swine, when exhibited in Minnesota, must
34 meet Minnesota's importation requirements, Minnesota Rules,
35 parts 1700.2600 to 1700.3000, and the exhibition requirements of
36 this rule.

1 M. Transportation of pseudorabies infected or exposed
2 animals.

3 1. All vehicles used as public carriers for livestock
4 known to be infected with or exposed to pseudorabies must:

5 (a) contain a shipping permit or owners notice of
6 shipment when quarantined livestock are being transported; and

7 (b) be cleaned and disinfected pursuant to 2. before
8 being used for transportation of other livestock.

9 2. A vehicle must be cleaned by thorough removal of all
10 litter, manure, and refuse, and disinfected by the use on all
11 floors, interior walls, and the vehicle chassis of a
12 disinfectant approved by the United States Department of
13 Agriculture.

14 Provision must be made for the disposition of all manure,
15 litter, and refuse removed from vehicles into an area where
16 other livestock cannot come in contact with it.

17 N. Experimental use of diagnostic biological products.
18 Notwithstanding the quarantine provisions of this rule and
19 Minnesota Rules, parts 1720.0580 to 1720.0640, in order to
20 promote and encourage the research on new diagnostic biological
21 products, the board shall authorize the limited experimental use
22 of diagnostic biological products for testing for pseudorabies
23 if the use is part of a research project sponsored by the
24 University of Minnesota, College of Veterinary Medicine. The
25 research project must be conducted under conditions and
26 limitations, including restrictions on swine movement, which the
27 board determines are adequate to prevent the spread of disease.

28 No quarantine will be issued on pseudorabies infected herds
29 disclosed on tests conducted during a board approved field
30 research on biological products if:

31 1. all herds proposed to be tested during the research
32 projects are identified to the board;

33 2. full disclosure of all test results from each research
34 herd are promptly reported to the board; and

35 3. herd owners agree that swine from positive herds will
36 only be sold to slaughter.

1

2 Repealer. Rule 3 MCAR S 2.024 is repealed.