

Biosecure Manure Pumping Protocols for PED Control: Recommendations for Pork Producers

Key Points

The recent introduction of the Porcine Epidemic Diarrhea Virus (PED) into the United States presents a new challenge for manure pumping. **Infection with PED can create tremendous financial losses to a producer.** PED virus transfers via feces and survives in manure for extended periods of time. Any object that becomes contaminated with pig manure can be a source of infection for pigs.

COMMUNICATE with the Manure Hauler:

- When scheduling with the manure hauler:
 - Find out when the manure hauling crew will be coming to the farm and require to be notified when they arrive.
 - Ask where the manure hauling crew has been prior to coming to your site.
 - Ask what biosecurity procedures the manure hauling crew uses between customers to understand disease risks to your herd.
 - Share contact information between the manure hauling crew and farm personnel.
- Discuss your biosecurity expectations for the manure hauling crew.
 - Plan entrance and exit to the site with minimal cross-over with the path for the manure hauling crew and the rest of farm traffic or areas used by farm staff.
 - Explain the routes that will be used to transport manure to fields.
 - Discuss how any manure spills are to be handled.

- Explain where the “**Line of Separation**” is between the set-up, hauling equipment and farm site.
 - This separates the area that is to be used by the manure hauling crew and the area to be used by daily farm traffic and personnel.
 - Do not let the manure hauling crew cross over the Line of Separation.
- Inform all your employees of the biosecurity requirements discussed with the manure hauling crew.**

At the time of pumping COMMUNICATE with the Manure Hauling Crew:

- The manure hauling crew is not to enter the barns, office areas or walk over areas used by farm personnel and should never come in direct contact with the pigs.**
- Farm personnel needs to avoid any direct contact with the manure hauling crew and the pumping and application equipment.

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- IF farm personnel must cross over the Line of Separation they must do the following:
 - **Cover-up** with clean protective gear (clean boots, coveralls, gloves) before crossing to the manure hauling crew side of the Line of Separation.
 - **Dispose of or properly contain** any contaminated clothing in plastic bags / totes before crossing back to the farm side of the Line of Separation.
 - **Follow all shower-in or other biosecurity protocols** of the farm before crossing back to the farm side of the Line of Separation.
 - Clean and disinfect any reusable gear before it is again moved and used on the farm side of the Line of Separation.

After pumping COMMUNICATE with the Manure Hauling Crew:

- Require to be contacted when pumping is done.
- Identify and discuss if there were any problems, biosecurity breaches, manure spills or need for any clean up after pumping and hauling.
- Consider providing a water source away from the facility or traffic patterns for the manure hauling crew to use to clean your manure from their equipment before leaving the farm.

PED virus infection at the sow farm can create near 100% mortality of piglets. Cleaning, disinfecting and drying all equipment is mandatory if moving to a sow site.

The biosecurity protection of your herd is your responsibility. Protect the health of your herd and communicate your biosecurity expectations with your manure hauler to avoid disease introductions.