

Biosecure Manure Pumping Protocols for PED Control: Recommendations for Commercial Manure Haulers

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 the 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.

Prior to the time of going to a site to pump **COMMUNICATE** with the producer:

- Contact the producer to discuss the upcoming pumping season and the biosecurity plan.
- Communicate on when you will be going to the farm.
- Share the contact information between the manure pumping crew and farm personnel.
- Be prepared to share the history of sites where the pumping crew has been.
- Plan entrance and exit to the site with minimal cross-over with other farm traffic or areas used by farm personnel. Ask the routes that will be used to transport manure to fields.
- Ask where the “Line of Separation” is between the set-up, hauling equipment and farm site. This defines the area that is to be used by the manure haulers and the area to be used by daily farm traffic and personnel. *Don't cross over the line.*
- Discuss how any manure spills will be handled.
- **Inform all your employees of the biosecurity requirements discussed with the producer.**

At the time of pumping **COMMUNICATE** with the producer:

- Manure haulers are 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.
- Avoid any direct contact with farm personnel and do not allow pumping equipment access by farm personnel.
- Use always clean coveralls, boots and gloves at each site.
- IF personnel must **CROSS-OVER** the line of separation they must do the following:
 - **Cover-up** with protective gear (boots, coveralls, gloves).
 - **Dispose of or properly contain** any contaminated clothing in plastic bags / totes.
 - **Clean and disinfect** any re-usable gear for the next site.

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After pumping COMMUNICATE with the producer:

- Inform farm contact person when pumping is done.
- Identify and discuss with producer if there were any problems, biosecurity breaches or manure spills.
- If possible clean, disinfect and dry equipment on site away from traffic before traveling to the next farm site.
- Avoid bringing disease with you by changing outer clothing and boots between farms.
- Clean the cab of trucks, tractors and contaminated equipment before going to next site.

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.

Leave the risks behind! Protect yourself and assume responsibility for the biosecurity of your manure hauling equipment and hauling crew.