

## SWINE HEALTH

**Title:** Infectivity of swine manure from pits on sow farms at varying lengths of time post infection with porcine epidemic diarrhea virus (PEDV)", NPB #14-276

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### Abstract:

Since introduction into the US swine herd, PEDV has spread rapidly across swine producing regions causing dramatic production losses. This study was designed to test 5 manure lagoons for the presence of live PEDV using swine bioassay. In this study, only one site was positive for live virus (by bioassay) whereas the 4 others were negative for live virus. The one positive site was actively shedding PEDV as indicated by the testing of weaned pigs. These observations reinforce the importance of biosecurity, especially with pit pumping crews where it is strongly advised to pump negative sites first, and work toward positive sites while paying particular care with those sites most recently infected with PEDV.

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