



August 8, 2017

PEDV, PDCoV and Senecavirus A Industry Surveillance Update

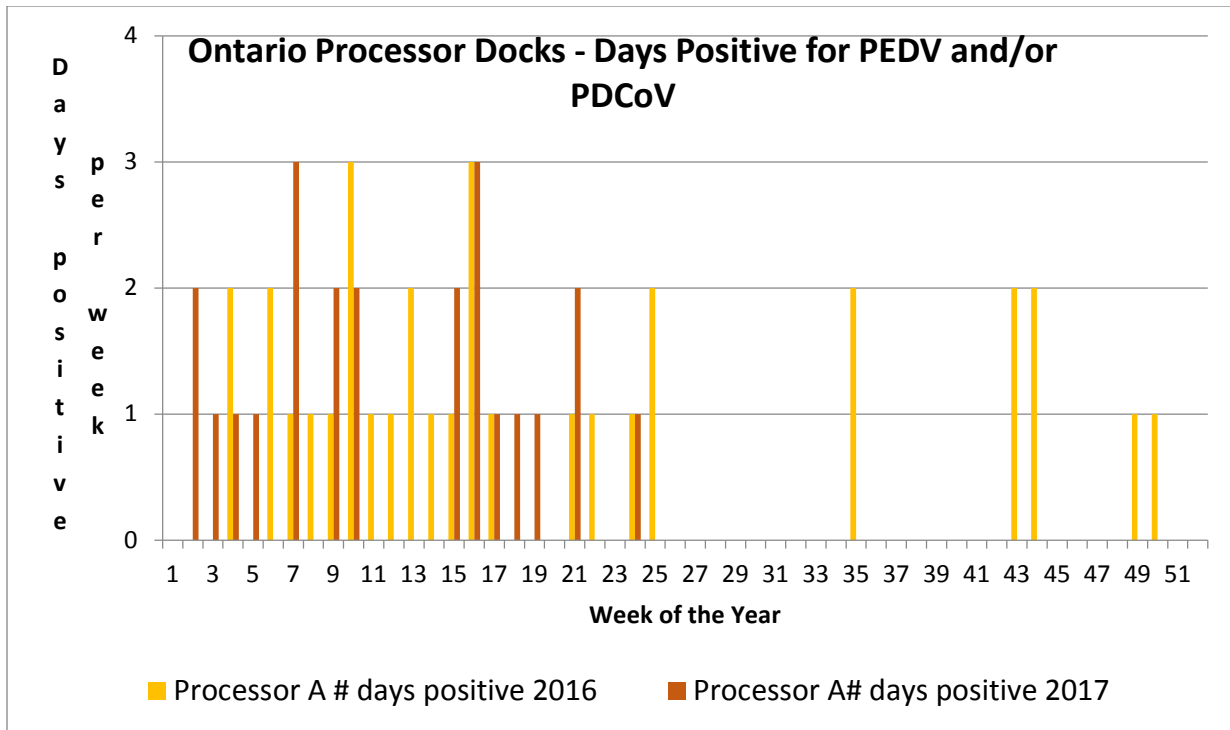
As part of industry efforts to control and eliminate Porcine epidemic diarrhea virus (PEDV) and Porcine delta coronavirus (PDCoV), OSHAB in collaboration with Swine Health Ontario has continued with environmental testing at participating processor docks and undertaken environmental testing at Ontario assembly yards. Environmental testing for Senecavirus A (SVA) has been added in recent months to assist in our understanding of the prevalence of this pathogen at high risk industry contact points.

What Should Producers Know

- PEDV and PDCoV are still being detected at the Ontario cull sow assembly yards that ship to the U.S. and secondary assembly yards also test positive at times for PEDV and PDCoV.
 - o **This is a contact risk for producers and can result in infection of your pigs if biosecurity gaps exist; talk to your transporter about their contact with assembly and how they manage this risk.**
- Senecavirus A has been detected at the cull sow assembly yards that ship to the U.S. and two secondary assembly yards as well.
 - o **Although SVA is not a reportable disease, detection at a Canadian processing plant will temporarily shut down that plant, since the clinical signs are similar to foreign vesicular diseases such as foot-and-mouth disease (FMD).**
 - o **Producers should talk to their transporter about their contact with assembly and how they manage this risk.**
 - o **Producers should also screen finishers before shipment to processing for clinic signs of SVA to prevent shipping pigs with lesions. Clinical signs and what to do if they are seen are summarized in the attached document.**

Processor Dock Surveillance Summary

As summarized below, there has been a reduction in PEDV and/or PDCoV positive environmental samples at processing docks recently with no positive results seen in the past 5 weeks. As well, SVA testing has been added to dock testing underway at Processor A for the past 14 weeks (since April 28, 2017) and there have been no positive results reported for this pathogen in this timeframe.



Assembly Surveillance Summary

Three primary cull sow assembly sites and 18 secondary assembly sites have been audited and environmental samples taken since January 2017. For the purposes of this summary, primary assembly sites are those that ship cull sows to the United States and secondary assembly sites are those that ship pigs within Canada to other assembly sites or to processing. The site audits included identification of type and volume of pigs through the facility and identification of biosecurity challenges with potential solutions provided. The secondary assembly sites ranged in volume marketed from fewer than 100 animals per week to over 1,000 animals per week.

All 3 primary cull sow assembly sites have had positive environmental samples for PEDV, PDCoV, and SVA sporadically through 2017. Eight of the 18 secondary assembly sites had positive environmental samples for PEDV or PDCoV at least once over the time period tested. In addition, 2 of the secondary assembly sites also had at least one positive SVA test result from the environmental samples taken.

Conclusion

These results highlight the importance of continued attention to transport biosecurity. Producers and transporters should assume that any contact with assembly yards or packer docks is a risk for cross contamination of transport. Producers please discuss assembly contact and biosecurity and wash and disinfect protocols with your transporter and consider farm protocols to reduce disease transmission risks. If you deliver directly to assembly, please review your biosecurity protocols with your veterinarian. We do not have a farm case of SVA in Canada to date - let's keep it contained to assembly sites only!