

## David I. Harris

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**From:** Patrick Thompson <pthompson@eco-pas.com>  
**Sent:** Wednesday, February 21, 2018 3:29 PM  
**To:** Michael F. Goldman  
**Subject:** PAS Controlling Entire Fermentation Cycle

Hello Michael,

You asked if any wine fermentation tanks had been connected to PAS controls for an entire fermentation cycle?

The answer is yes. In 2015, 2016, and 2017, the PAS control system was connected via manifold to multiple tanks for the entire crush, except for brief periods when winery operations required temporary disconnection of individual tanks (such as pump overs, etc.) During 2016 and 2017 all tanks on the PAS100 manifold were connected from the time the tanks were first inoculated through end of primary fermentation. Specific examples include Tank #174, inoculated 10/14/16, Primitivo; and Tank #171, inoculated 10/17/16, Cabernet Sauvignon.

I hope this answers your question.

Best,



*Patrick Thompson, CEO*  
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*"Pollution is nothing but the resources we are not harvesting. We allow them to disperse because we've been ignorant of their value."  
-Buckminster Fuller*