

# Automatic Stormwater Diversion System Case Study

What: Automatic Stormwater Diversion System  
Where: Napa County Winery, California  
When: July 9, 2012



Attitude Systems Automatic Stormwater Diversion System (ASWDS), was installed on the crush pad at a Napa County winery as part of an upgrade program. The County of Napa has become more and more concerned with storm water overwhelming the sanitary systems at the Napa Wineries, thus creating what are commonly known as “purple rivers.” The idea of roofing the crush pads, could prove to be problematic for fork lifts and expensive. Normally, flow from the crush pad will go to the sanitary sewer or septic system. When a storm event occurs, the ASWDS system will automatically drain rain water from the crush pad diverting it away from entering the sanitary sewer or septic system.

The Napa Wineries’ ASWDS was equipped with a rain switch that measures when a rain event is in progress and automatically tells the controller to switch to rain mode. This activates the diverter to switch from the sanitary to the storm system. The system will reset itself after the rain event is over.

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A key feature is the automatic exercising of the valves. Valves need to be opened and closed regularly to ensure long life. The controller was set to automatic mode to fully open and close the valves every seven days after the last cycle in case long periods of time pass without rain. This Napa winery does not have to worry about “purple rivers” now that they have installed their new Automatic Stormwater Diversion System and at a fraction of the cost of other options.



In Addition these systems are available in wide variety of valve and or pump sizes and configurations including 3-way systems.

