

Case Study

Chemical Manufacturer Remote Sump Alarming

Company Profile

This customer is a multi-national manufacturer of industrial chemicals serving diverse end use industries such as pharmaceutical, agriculture and energy

Challenge

Throughout the facility, multiple catch basin sumps collect wastewater from the various processes in the plant. Without a reliable high level warning system, periodic sump overflow episodes occur resulting in environmental issues and remediation costs

The sumps are remotely located without power and signal wire infrastructure to support a control system

Solution

Rawson/Industrial Controls designed and fabricated a solar powered sump alarm system. The system included an area-rated level switch, battery-powered energy station with solar charging, audible and visual alarming, and instrument stand for installation ease

Results

Plant maintenance personnel are able to hear the audible alarms and see which unit is in an alarm condition from their vehicles as they monitor the plant. This system has allowed several overflows from happening in less than a year's time

