



## Case Study

### PCS Phosphate

**Crawford Division:**

Welded Fabrication

**Client:**

PCS Phosphate

**Challenge:**

Seamlessly remove existing cyclone and replace with new/improved system

**Solution:**

Design, manufacture, and install corrosion and abrasion resistant cyclones

**Project Summary:**

Crawford Company recently completed the manufacture and installation of two stainless steel cyclones for PCS Phosphate, Marseilles, IL. The new units replaced the original carbon steel cyclones that were failing due to abrasion and corrosion. The cyclones collect the rock duct dust that contains weak phosphoric acid. The stainless steel cyclones will eliminate the corrosion aspect and also be more resistant to abrasion.

Crawford was responsible for field measurements, design and fabrication of the new vessels. Our experienced welders made the cyclones in our newly expanded metal fabrication facility.





In addition, Crawford Company's field crew planned and executed the removal of the old cyclones and the installation of the new units during a plant shut down.

This project is another example of Crawford's diverse group of employees working together with customers to complete a project on time and with in budget.

