



# LPG Loading Terminal Loading Arms

Texas, USA

## Problem

The plant inlet conventional filters allow black powder contamination to enter the facility and in turn, damage pump and compression equipment. During the loading process, small quantities of black powder plug off the basket screens, extending loading hours, and creating costly downtime and demurrage penalties. Missed loading windows lead to an averaged \$50,000/incident, and ~\$250,000/annual demurrage.

## Solution

Install a magnetic separator system upstream of the conventional filters.

## Result

In one year, there were no unplanned shutdowns during loading. This eliminated demurrage and excess labor costs required for the isolation, venting, purging, cleaning, and venting of the screens. The facility owner/operator has since ordered a number of additional BPS Magnetic Separator Systems for deployment in various NGL applications.



Total Annual Cost Savings

**\$449,482**