



## CORRUGATED BOX PLANT

Loss: Water

### INTRODUCTION

After a significant storm, a 600,000-square-foot corrugated processing plant flooded with five feet of river water. The muddy water contained high levels of corrosive substances and agricultural chemicals from the surrounding farmland.

The flood saturated the plant's controls, processing machines, and 12,000 feet of powered roller conveyor with corrosive mud and water. Once the water receded, all affected items showed signs of rusting and pitting.

Prism Specialties mobilized 60 technicians to immediately mitigate further damage by spraying rust inhibitors over all contaminated equipment. The technicians also drained and removed water from control cabinets and conduits.

### THE CHALLENGE

The plant was one of the largest owned by the customer. After the disaster, the other plants could not manufacture enough to cover current and future orders.

Throughout the plant, Prism Specialties utilized select OEMs for their equipment. The OEMs did not have the staffing or parts required to support the customer in restoring their processing equipment.

### THE SOLUTION

- Replaced all electronic components from the water line in over 600 control cabinets.
- Cleaned and relabeled all wiring and hardware components in all control cabinets.
- Old wood flooring was removed, and a new wood floor was installed for the command console.
- Over 3000 wires to the command console were reinstalled and re-terminated
- Over 36,000 conveyor rollers were restored & cleaned
- Over 44,000 bearings in conveyor rollers were removed and replaced.

### LOSS AT A GLANCE

#### Peril

- Flood Water

#### Impacted Items

- Powered Conveyor System
- Control Panels
- Processing Machines

#### Challenges

- Minimize loss of production.

#### The Value

- The plant was back into production within 5 weeks.
- All control panels were relabeled maximizing efficiency.
- Prism Specialties' replacement components was verified by the OEMs safeguarding the warranty of the new equipment.

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