

Allied Chemical Corporation – Nylon Plant

Case Study #3 – Conditions

- Plant incapable of achieving design capacity of 334,000,000 lbs. annually
- Highest demonstrated production was 319,000,000 lbs
- Plant structures and machinery severely deteriorated

Case Study #3 - Elements Introduced

- Data control and analysis
- Preventive/Predictive Maintenance (P/PM) program
- Root Cause Analysis (RCA) System
- Reliability in design and construction introduced
- Electronic notebooks for data collection
- Addition of needed personnel

Case Study #3 - Benefits

- Plant produced at 369,000,000 lbs. The first year