

Allied Chemical Corporation – Chemical Plant

Case Study #1 - Conditions

- Extraordinary low process yields
- High downtime probably exceeding 15%
- High overtime averaging 17%
- Poor safety record
- Executives involved in major repair and shutdown planning
- Extremely high stress atmosphere

Case Study #1 - Elements Introduced

- Preventive/Prediction Maintenance (P/PM) program
- Root Cause Analysis system
- Planning & scheduling of maintenance
- Spare parts inventory record system
- Reliability data collection system
- Positioned decision making at lowest possible level

Case Study #1 – Benefits

- 98% Uptime for 10 years (calculation includes scheduled turnarounds)
- 40% Reduction in maintenance costs
- 4% to 5% maintenance overtime for 10 years
- Won Corporation's "President's Safety Award"
- Net dollar benefits estimated at \$96,000,000