WET TO DRY FILTER PAINT BOOTH CONVERSION

Benefits
- Eliminate hazardous waste (Paint Sludge) generation
- Reduce Maintenance Cost of Paint Booth
- Improve Working Environment
- Reduce disposal costs

Break Even Point and Return on Investment
- $81,250 (per 10-year period)
- 0.3 years

Status
- Dry filter conversions continue to be implemented Navywide

Conversion of the booth’s Particulate Emission Control (PEC) system from water curtain to dry filter system is an inexpensive procedure which can be performed by in-house personnel. A series of filter pads are placed along the back wall of the booth, prior to the exhaust fan, using a steel frame. The dry filters are periodically removed and replaced with a new filter when the pressure across the filters drops below a determined value. No hazardous wastewater or sludge is generated as before.