

UF System Monitoring

- UF Flux & ΔP should be monitored daily.
- Monitor & record rinse stage solids daily.
- Monitor & record rinse stage pH daily.
- Monitor & Change Pre Filters.
- Temperature Alarm at 100 °F for E-Coat Bath.
- Accumulation of solids in rinses indicate insufficient UF flux.
- Insufficient UF flux indicates UF fouling or inadequate design.



UF System – Fouling Factors High paint temperature (>105 °F) Low paint flow / Low ΔP Idle paint in cartridges (2 hour rule) Excessive paint %NV and P/B Iron contamination Dirt & oil contamination

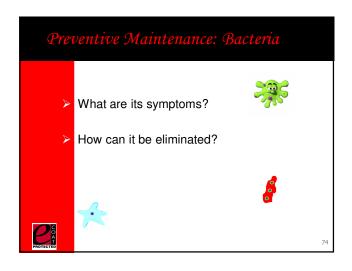
Bacteria contamination

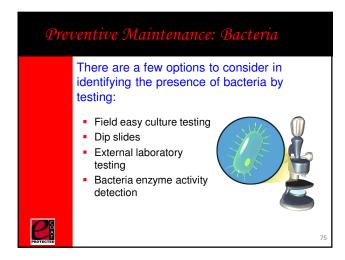
· Phosphate contamination

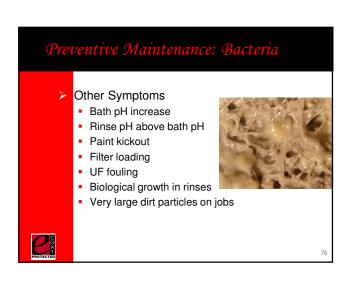
UF Fouling – Cleaning/Flushing Clean UF systems when they reach 70% of the original flux. Clean entire UF bank at one time. Do not allow idle paint to sit in cartridges -Flush with RO/DI water immediately when deactivated (2 hour rule). Soaking in cleaning chemical overnight can greatly improve cleaning recovery.

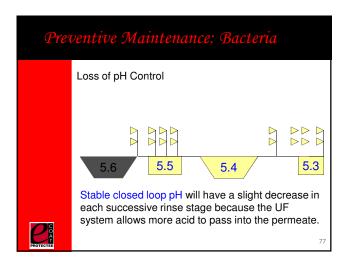
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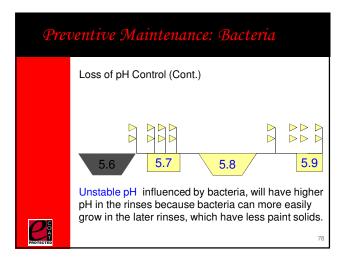




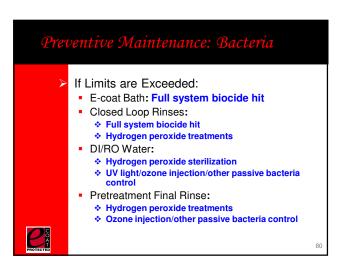


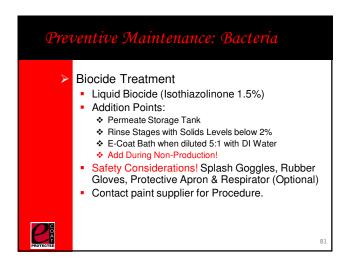


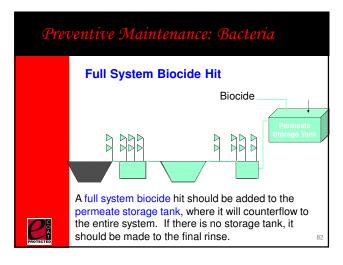


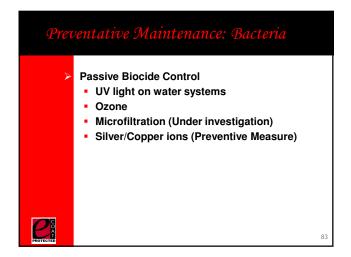


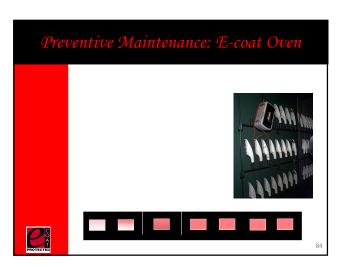


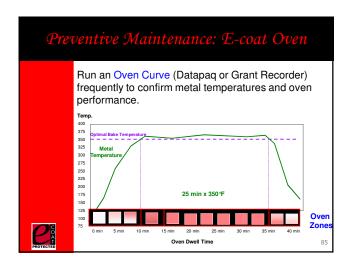










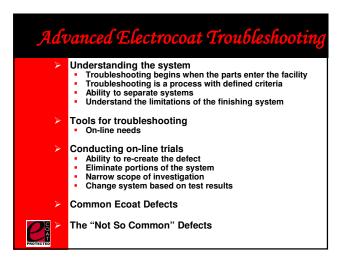


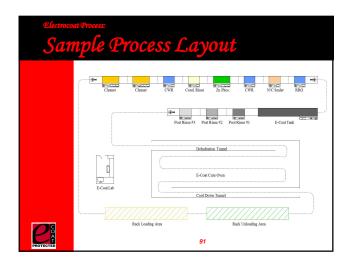


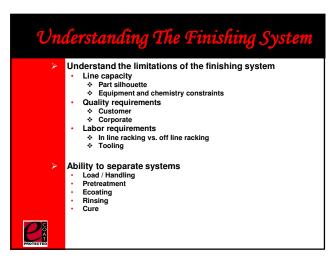












Troubleshooting is a process with well defined criteria Time bound – It has a beginning and an end Specific Troubleshooting begins when the parts enter the facility Containers Bins Packing materials Troubleshooting ends Change must occur Document and communicate



