

UPTIME'S PDM 2010 PROGRAM OF THE YEAR



Talecris Equipment List PDM program instruments:

- Commtest - Ascent Level 3, vb7 Analyzers
- SPM Shock Pulse Meter
- SKF Vibe Pen
- FLIR T400, PM690, FLIR Software and Streaming Software
- SKF/Baker Explorer 3000, AVA 2.2 Tester
- UE9000 Ultrasonic Detector
- VibrAlign GO and XA
- GPAllied TEAM Database and Criticality Assessment Tool

Best
Ultrasound
Program

Talecris Biotherapeutics Ultrasound Program Highlights

Talecris Biotherapeutics is a global biotherapeutic and biotechnology company that discovers, develops and produces critical care treatments for people with life-threatening disorders in a variety of therapeutic areas. There are 1600 employees at our principal manufacturing site in Clayton, NC, and over 4500 employees worldwide.

The initiating event for creating an in-house PDM and Reliability programs at Talecris were based on the results of a TPM program launch and assessment in 2007 that identified the need

to increase the reliability of plant equipment beyond what our vendors were providing. In early 2008, an internal group was formed from existing plant technicians and a newly hired engineer and manager.

Our Ultrasonic Inspection program was piloted in mid-2008 using the UE Systems UE9000 and a FLIR T400 infrared camera.

Up to that time an outside vendor surveyed the site and helped identify and tag the existing utility and process steam traps. Two technicians that were most familiar with the equipment to be monitored were trained at the

UE Systems. A process guide was developed by technicians and engineering for the leak detection program. As a result, in 2009 an estimated \$150K opportunity was diagnosed on steam traps, and another \$150K opportunity was diagnosed in condensate recovery issues as a result of failed and misapplied steam traps.

Routes definition and a cost avoidance tracking tool was developed and modeled after the UE Systems Compressed Air Loss Guess-Timator Excel application. Later the PM routes were moved into the CMMS. Plant P&IDs were updated along with the individually assigned trap numbers and floor plans to aid the technician monitoring the route.

Our path forward is to improve the cost avoidance tracking on repaired traps, to develop a system to ensure modified or newly installed traps are documented and entered into the CMMS PM Routes and to improve efficiencies by incorporating infrared technology.



Back Row From Left: Michael Gaston - PDM Tech, Billy Duncan - PDM Tech, Jason Daniels - PDM Tech, Ken Terry - PDM Tech, Michael Rose - Reliability Engineer, Kirk Parish - Maintenance Systems Manager. **Front Row From Left:** Glenn Parker - PDM Tech, Abdon Davila - PDM Tech, Michael Cook - Reliability Manager, Michael Muiiter - Reliability Engineer

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