

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
Emerging
PDM
Program

Talecris Biotherapeutics 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.

Vibration and Oil Analysis were first piloted on critical equipment previously monitored by vendors, followed by a new in-house Ultrasonic Inspection program.

In 2009, ownership of the Infrared Thermography

monitoring was transferred from the vendor and dynamic Motor Testing was added to our existing in-house static testing program.



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 Muijer - Reliability Engineer

As our program progressed in 2009 more PDM technicians were added with a second Reliability Engineer and two items were identified as roadblocks: all of our analyses were being captured on paper and criticality was only roughly defined for critical assets. We purchased a PDM historian and a criticality assessment tool to meet these needs.

In 2009 we developed our mechanical integrity, root cause analysis

methodology, and motor repair specification. We also added two technicians that were monitoring ozone depleting substance leaks, and supporting the plants refrigerated spaces, which make up nearly all process and product storage areas.

In 2010 we have a staff of six PDM technicians and have increased the number of vibration monitored items 10-fold and doubled the scope of the Infrared Program over the vendor supplied monitoring. We have fully developed our dynamic Motor Testing, Oil Analysis and Ultrasonic Inspection Programs as well.

In the future, we are looking forward to a large plant expansion at our current location, having broken ground in March 2010. Our group has been involved in the early equipment management of the new assets, allowing for the integration of PDM and reliability.

Talecris Biotherapeutics