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.

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 Program Highlights

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Best Emerging PdM Program

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
- VibraAlign GO and XA
- GPAllied TEAM Database and Criticality Assessment Tool

Talecris Biotherapeutics