

# Example of How Plant Wellness Way EAM Systems Make New Operating Fortunes

Evidence of the successful implementation of the risk reduction programmes I.D.Fan Set , Type HACP-180-273-X4-6-1.

Background and evidence:

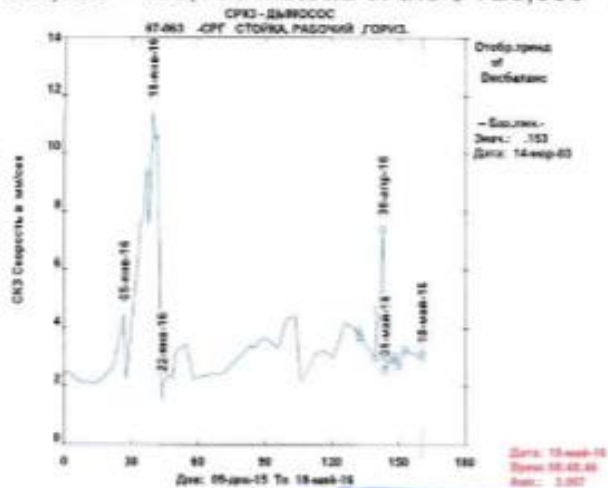
The I.D.Fan set is critical equipment in the composition of the recovery boiler. Emergency shutdown of the I.D.Fan set entails a simple boiler for at least 3 days.

In the event of a serious accident on the I.D.Fan Set, the repair will take at least 5 days.

The cost of repair \$40,000, days of downtime of the boiler approximately are \$ 240,000.

In the first case the cost of downtime \$720,000, in the second \$ 1,200,000.

1. Before the implementation of the program because of the malfunction of the electric precipitators and build-up of sulfate on the impeller, vibration was raised to 8-12 mm/sec. At emergency recovery boiler shutdown took 3 days for repairs and cleaning, filter, impeller and restore normal process conditions.
2. After implementation of this program, decreased vibration on the I.D.Fan Set and current 2,5 - 3,2mm/ sec.
3. Cleaning the electric precipitators, induced i.d. fan impeller of planning every three months allows you to reduce downtime to 16-18 hours. That is \$ 160,000 - 180,000 instead of the \$ 720,000 - 1,200,000.



Technical director  
Power plant manager  
Reliability manager

