



Engineered Products and Services

25 Williamsville Road

Barre, MA 01005

Tel 978-355-2911



Corrosion Products

Attn: Chris Plumaker

917-838-0203

Plumaker@corrosion-products.com

September 13, 2017

Ref: Con Edison East River Station

801 East 14th Street

Manhattan, New York 10009

Attn: Rich Ferris

Re: Byron-Jackson 3 x 11 ½ - 11 stage HDB Boiler Feed Pump 1400 GPM @ 4959 TDH

AP-1320-17

Dear Mr. Plumaker,

In reference to the subject pumping equipment, we are pleased to offer the following System assessment and engineering review services for the boiler feed pump system at Consolidate Edison – East River Generating Facility. Per our meeting with Con Ed's Sang Lee – Engineering, Rich Ferris - Maintenance Manager, yourself, Mike Aliberti & John Mura of Chesterton, we discussed the Boiler feed Pump Mean Time Between Repair (MTBR) and learned the pumps are reported as having frequent failures including mechanical seal issues which included 6 pump failures and two scheduled pump overhauls in the last two years. The meeting was originally set up to focused on replacing mechanical seals and possible pump repair work. The open discussions with Con Edison lead to presenting a solution to the system / operations issues first before we address the mechanical upgrades.

Engineered Pump Division
Service, Parts and Repairs

www.allenpump.com
davidkrupp@allenpump.com

David E. Krupp
Cell 860-930-9842



Engineered Products and Services

25 Williamsville Road

Barre, MA 01005

Tel 978-355-2911

Performing a system study is a cost effective tool for predictive maintenance planning and trending of hydraulic and mechanical performance. I recommend a system engineering review for both pump and piping system. The proposal includes 40 hours of engineering time by a senior engineer with 30 plus years in system design, reviewing the current operating procedures, onsite interviews with maintenance, operations and two days minimum at site for system analysis. The goal is to minimize production losses from pumping equipment failures and improve operating and maintenance practices. A full detailed report will be generated with both system and mechanical recommendations in increase mean time between repair (MTBR) of the boiler feed pumps.

Price and Delivery

The analysis described above is as follows: \$10,000

Travel and Living Expenses Included

2-4 weeks based on availability of schedule

No additional work would be performed without authorization. Completion time 2-4 weeks, ARO or sooner if possible

This proposal is in US dollars and is valid for 30 days from date of issue. Payment terms net 30 days.

This offer and any work performed as a result are exclusively governed by our Terms and Conditions, form 1-2016 PRS, which is attached. Any additional or conflicting terms contained in any document or purchase order issued authorizing work are expressly objected to in advance and shall not apply, except with written consent of Chas. G. Allen Inc.

If there are any questions or if you would like to proceed, please do not hesitate to contact me at 860-930-9842.

Regards,

David Krupp
General Manager

Engineered Pump Division
Service, Parts and Repairs

www.allenpump.com
davidkrupp@allenpump.com

David E. Krupp
Cell 860-930-9842