



**To:** Tom Sliwinski  
**Company:** DuPont Experimental Station  
**Fax:** 302-695-7775  
**Date:** 04/04/08

**Dear Tom,**

The following is a breakdown of prices for the **ABS#4 Solution Pump** quote that I sent you:

**Total Price Quoted - \$34,567**

- 1. Solution Pump - \$25,424.51**  
(Includes New Motor, Impeller, Motor and Pump Bearings)
- 2. Pump Casing Gasket - \$432.09**
- 3. Motor Contactor - \$80**
- 4. Motor Overload Block - \$223.46**
- 5. Sight Glasses (6) - \$420 for 6**
- 6. Bonnet Diaphragms (4) - \$335 for 4**
- 7. Misc. Fittings, Hoses, Filters - \$550**  
(For Removing, Cleaning, and Re-Installing Solution)

**Outcome** – New Pump with New Motor Installed, Old Pump/Motor left on site as spare (needs new bearing kit - \$13,221). Labor for old pump rebuild will be included if done at the same time as the New Pump Install.

**2<sup>nd</sup> Option – Remove Solution and Bad Pump. Rebuild Pump and Re-Install**

**Price- \$23,855**

**Outcome** – Absorber will be operational. No Pump/Motor will remain as spare.

**Note:** Keep in mind that you spent **\$26,359** on ABS#1 Refrig Pump Replacement, and this did not involve removing the Solution.

Solution removal is labor intensive. However, with the solution out of the chiller more work can be performed to increase machine life (i.e. Solution Clean Up, Better Leak Detection and Repair, New Sight Glasses which other wise could not be changed).

Contact me if you have any further questions, or would like the formal quote on the Pump Rebuild only.

Regards,

Kevin Frazee  
York Service Technician

Joe Reilly  
Service Sales Representative

Jeff Collins  
Area Manager Delmarva

Accepted by: \_\_\_\_\_

P.O. \_\_\_\_\_

Date: \_\_\_\_\_



**To:** Tom Sliwinski  
**Company:** DuPont Experimental Station  
**Fax:** 302-695-7775  
**Date:** 03/27/08

**Dear Tom,**

The following work will need to be performed on **ABS #4** before startup. The expected lead-time for material is one week, and the work will take approximately 2 weeks.

We offer to furnish the equipment and services specified herein, at prices stated and in accordance with York Service Johnson Controls, Inc. Standard Terms and Conditions. *Pricing good for 30 Days from date of proposal.*

York Service is pleased to submit this proposal for your review: The following is a scope of work to be performed at: **Experimental Station E315 Powerhouse.**

### **Scope**

- **Lock Out Absorber #4**
- **Drain Lithium Bromide Solution into Portable Drums**
- **Remove Faulty Concentrated Solution Spray Pump**
- **Replace Pump Seal Ring and Install New Pump/Motor Assembly**
- **Replace Solution Sight Glasses**
- **Replace Motor Contactor and Overload Block**
- **Leak Test Pump Housing with Nitrogen Pressure**
- **Recharge Solution into the Chiller and Evacuate**
- **Startup and Inspect Pump Operation**

**Price: \$34,567.00**

York Service is pleased to submit this proposal for your review: The services detailed herein will be performed by qualified York Factory trained Technicians, between the hours of 8:00 a.m. to 4:30 p.m. Monday through Friday.

Upon your approval, please forward your purchase order to my attention so that work can begin. Any questions please call my cell phone at 302-275-4797 (Fax 302-996-0461)

Regards,

Kevin Frazee  
York Service Technician

Joe Reilly  
Service Sales Representative

Jeff Collins  
Area Manager Delmarva

Accepted by: \_\_\_\_\_

P.O. \_\_\_\_\_

Date: \_\_\_\_\_