



August 21, 2009

Glen B. Schrot  
H. A. Phillips & Company  
1612 Louise Drive  
South Elgin, IL 60177

Glen,

Thanks for your recommendation to install an anhydrator on our ammonia system to remove the water. I had never seen one in operation and was unsure if it would really work. We purchased and installed one of H.A. Phillips anhydrators on a 14 year old ammonia system with 7000ppm of water in the system. Within the first three days of operation the anydrator removed five gallons of water from the system and over the next three weeks it pulled out another five gallons of water. I am impressed with the way the anhydrator performed for us and we have plans on installing another anhydrator on our other ammonia system.

Sincerely,

*Paul E. Kruk.*

Paul Kruk  
Mechanical System supervisor

**Steve Yagla**

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**From:** D J Mody [ersincaz@aol.com]  
**Sent:** Sunday, July 13, 2008 9:59 AM  
**To:** steve.y@haphillips.com  
**Subject:** Anhydrator  
**Attachments:** Anhydrator on Recirc\_Vessel\_ET3.pdf

Steve:

You may be interested in this. If you need a photograph of this installation then please let me know. Of course you would have to buy me lunch for going through to Mexico and taking a photograph of the installation.

Dhiren,

Attached is a drawing of the Anhydrator that we installed at our Plant in Mexico in order to deal with the poor NH<sub>3</sub> quality there, all that is available at that location is Ag Grade NH<sub>3</sub> which is 82%. I chose to install the Anhydrator in a Liquid Recirc System that is tied to the Common Plant Refrigeration so that all of our NH<sub>3</sub> gets cycled through it over time. For the first 3 months of operation we drained the unit every two weeks and netted approximately three gallons water the first time it was drained, this tapered off over the next three months to 1/2 gallon on the sixth draining, we are now draining the Anhydrator once a month and still dumping water. I have seen a reduction in our operating temperatures and pressures, and we have had less trouble with liquid flow through TXV Valves on our DX Coils.

Let me know if this helps you.

Paul

Paul Valencik  
Facilities Manager  
Fresh Innovations

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