

## REPAIR AND PROTECT YOUR CHILLERS

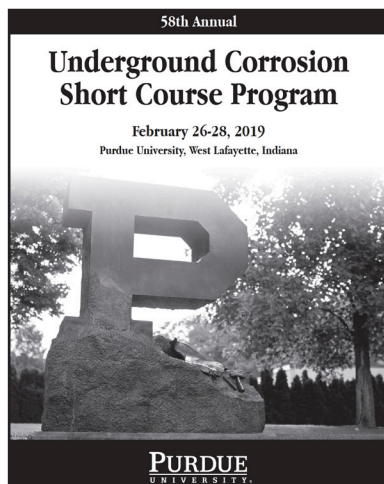
Studies have shown regular maintenance extends the life of HVAC equipment, and **Chillers** are no exception to that rule. Unfortunately, many building owners and facility managers defer maintenance due to budgetary constraints or other reasons, which can lead to performance issues later down the road. Age is another common cause for **Chiller** failure. **Chillers** also have many moving parts and are expensive if it comes down to replacement. The **USI Team** can help find a solution to **Repair and Protect your Chillers** and save you money in costly downtime and replacement costs.



A Major Big Ten University was experiencing galvanic corrosion, also known as bimetal corrosion, which was eating away at the metals and causing tubes to plug. This Michigan University wanted to lower their energy cost and felt a hydrophobic ceramic enhanced polymer coating would provide a smoother surface and reduce energy bills. Having worked with the **USI Team** before, they called us in to work on this important project.

The **USI Team** tented the area to create a exhaust/dust free environment. Corrosive Materials and Blast Media were put into a dumpster for disposal by the client. The tubes were corked to prevent abrasive blast media from going into the copper tubes. The **USI Team** first abrasive blasted to NACE 2 specifications, to a 2 1/2 to 4 mil anchor pattern. Next, the **USI Team** rebuilt lost metal around the tubes with a paste grade ceramic engineering rebuilding product. Lastly, two coats of a ceramic fluoride grade material were brush applied by the **USI Team** to give it a smooth, hydrophobic finish to be more efficient and provide an erosion corrosion free environment.

## The USI TEAM - sharing their knowledge and learning at the 58th Annual Underground Corrosion Short Course Program



In case you didn't know, this course is for anyone interested in the causes of corrosion and its control. Engineers, corrosion technicians, construction foremen, and maintenance foremen will find that this program fits their needs. The **USI Team** had their own *Doug Klingensmith* sharing his knowledge in two sections, "Coatings" and "Coating Hands-On". Other valuable sections offered are: Internal Corrosion Section, Integrity Management Special Topics, Basic Fundamentals of Pipeline Integrity and Management and Special Topics. Also available is NACE Corrosion Technician Review Course & Exam Proctoring, Roundtable Discussion and a Vendor Show. The **USI Team** hopes that we saw you there!



Contact USI TODAY 248-735-7000 → Set up a Site Visit to receive a FREE Estimate on how to best Repair and Protect your Chiller to make it more efficient and last longer.

## March 2019 UPCOMING EVENTS

- Wednesday thru Friday March 6 thru 8  
Ohio Oil & Gas Association Meeting in Columbus, OH
- Thursday March 14  
Western PA Corrosion Committee in Lamplighter, PA
- Tuesday/Wednesday March 19/20  
Kentucky Gas Association Meeting in Lexington, KY
- Thursday/Friday March 21/22  
Ohio Gas Association - 2019 Tech Seminar & Affiliate Display in Lewis Center, OH
- Sunday thru Thursday March 24 thru 28  
NACE Corrosion Conference & Expo in Nashville, TN

## April 2019 UPCOMING EVENTS

- Wednesday April 10  
Ohio Corrosion Committee Vendor Day in OH
- Monday thru Wednesday April 15 thru 17  
Ohio River Valley - Women's Business Council  
10th Anniversary Regional Catch the Wave Conference  
in Cincinnati, OH
- Wednesday April 17  
NACE Vendor Day in Mt. Pleasant, MI
- Thursday April 18  
SEMPPE Meeting - Doug Klingensmith speaking  
in Dearborn, MI

# PROTECTION FOR YOUR CHILLER and more

## VpCI®-649



VpCI®-649 is a unique concentrated liquid formulation that protects ferrous and non-ferrous metals from corrosive solutions. This product is designed to provide long-term protection in **fresh water and glycol closed loop systems**. VpCI®-649 is effective as a replacement for nitrite, bromate, and/or chromate-based formulations. VpCI®-649 combines contact and volatile corrosion inhibitors along with anti-scalants in non-toxic formulation that does not contain nitrites, phosphates, chromates, or heavy metals. This product helps solve the problem of disposal, particularly for large quantities of water.

**VpCI®-649 BD** is a unique concentrate liquid formulation designed to provide long-term protection for ferrous and non-ferrous metals in **fresh water, steam, and glycol closed-loop systems**. **VpCI®-649 BD is effective at corrosion protection during hydrostatic testing.**

### Typical Applications:

- Inhibitor for closed loop cooling systems
- Fire extinguishing systems
- **Inhibitor for hydrostatic testing of pipelines, casings, tanks & valves**
- Inhibitor for packer fluid applications
- Prevents water-bottom corrosion in oil storage tanks
- **Works well in "Pigging" applications**
- Alkanolamine sweeteners
- Pulp and paper process equipment
- Mines, mining, and earth moving equipment
- Inhibitor for lay-up application of cooling towers
- Cooling system lay-up

## CONTACT THE USI TEAM TODAY! We have an Unconventional Solution for YOU!

### Tiffany

President & Technical Support for Michigan  
tiffany@USIgroups.com • 248-515-4938

### Doug

Technical Director USA  
dk@USIgroups.com • 248-830-2935

### Christine

Staff Accountant  
accounting@USIgroups.com • 248-735-7000 Ext 204

### Stormy

Marketing, Customer Support & General Questions  
marketing@USIgroups.com • 248-735-7000 Ext 203

### Christina

Graphics & Customer Service  
graphics@USIgroups.com • 248-735-7000 Ext 205

### Julie

Receptionist  
office@USIgroups.com • 248-735-7000

### Steve

Inventory Specialist  
warehouse@USIgroups.com • 248-735-7000 Ext 206

### Mike

Business Development Coordinator  
bdc@USIgroups.com • 248-924-3523

### Brittany

Technical Support & Training SW Ohio  
dayoffice@USIgroups.com • 513-383-6302

### Jason

Shipping, Receiving & Customer Service SW Ohio  
daywh@USIgroups.com • 937-704-4220

### Nicole

Branch Coordinator NW Indiana/Chicagoland  
nicole@USIgroups.com • 219-733-0541 • Mobile 312-890-6465

### Jessica

Inside Sales NW Indiana/Chicagoland  
nw-inoffice@USIgroups.com • 219-733-0541

### Margaux

Shipping, Receiving & Customer Service NW Indiana/Chicagoland  
nw-inwh@USIgroups.com • 219-733-0541

