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PUBLISHED AS AN INFORMATIONAL SERVICE TO OWNERS AND PROSPECTIVE OWNERS OF STEEL WATER STORAGE TANKS BY TANK INDUSTRY CONSULTANTS, 5010 WEST FIFTEENTH STREET, SPEEDWAY, INDIANA 46224, E. CRONE KNOY, P.

### WHAT IS THIS, ANYWAY?

There is always so much that I want to say to our clients and prospective clients, that I am constantly frustrated that the right people never seem to be reached at the right time to prevent unnecessary inconveniences and expenses for tank owners. In an attempt to relieve these frustrations and convey some of the more timely information to tank owners, I have started a project which I hope can be carried out - that of publishing this newsletter about every six months.

In the past information has been conveyed only to those who ask, or are unfortunate enough to be in a captive audience at an AWWA or other water association meeting at which I am speaking.

Let me know if it is worth my effort and mailing costs. Of course, if I put a plug in for TANK INDUSTRY CONSULTANTS every once in a while, that's the publisher's, editor's, and owner's prerogative.

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### BEWARE OF THIS TV RE-RUN!!!!

I really didn't believe my ears! I got a call the other day - that old "Gather the TOWN BOARD Around the Old Water Tower and Let's Watch Closed Circuit TV While Declaring an EMERGENCY to Give This Nice Itinerant Tank Company That GAVE Us a FREE Tank Inspection a Big Fat Contract Without Taking Competitive Bids" show is still on the road. This is one of the oldest shams in the business.

J. R. Ewing ain't nothing like these guys.

If people want to give away tank inspections, that's their business. We can't compete with their price. But, we all know, "There is no such thing as a free lunch."

Viewing the inside of a tank over closed circuit TV shows you exactly what the contractor wants you to see.

This TV EMERGENCY tank repair profession may not be the oldest on earth - - maybe second?

### "GREASE"

Is wax-grease in tanks as passé as John Travolta's depiction of the fifties? In most cases, YES! Keeping wax-grease on the interior surfaces of your tanks assures you of one thing - that you will be seeing a lot of your tank painter. This coating has its merits but generally does not perform well in tanks with fluxuating water levels.

Some tanks appear to have no detrimental corrosion after having nothing but wax-grease in them. In those cases, we recommend wax-grease as a continued method of corrosion protection.

In the majority of cases, we have found that due to poor surface preparation, improper application, icing conditions in the tank, or fluxuating water levels in the tank, the wax-grease coating is not giving the needed corrosion protection and is causing premature failure of the tank.

Wax-grease coatings can be removed and better coatings applied. Proper removal techniques and recoating specifications are necessary to effect this coating changeover. Many times you just have to "bite the bullet" and take this step to preserve your investment in the tank.

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### WELCOME ABOARD!

In the first year of our business, about the only names you saw or heard around TIC was Knoy.

In the past year, we have added two outstanding individuals to our inspection staff.

BARRY HALL has been with us a year now. He brings almost twenty years in construction and engineering to our organization.

JOE NORVELL brings over 20 years experience in painting tanks to TIC. He was a foreman most of that time, and has owned his own tank painting company.

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## BATESVILLE, INDIANA COMPLETES EXTENSIVE TANK PROJECT

The Batesville Water and Gas Utility has put its hard earned and saved money to good use. Acting at a time in the market place when tank pricing was very competitive, this utility took bids on September 30, 1980. Brown Steel Contractors of Newnan, Georgia were the successful bidders. The contract included furnishing a new 500,000 gallon elevated tank, dismantling a 55 year old 150,000 gallon elevated tank, and extensive repairs and painting of a 30 year old 150,000 gallon elevated tank.

The project is now complete except for finishing the work on the 30 year old tank.

Subcontractors and suppliers were:

Soil Test: SKS & Associates, Decatur, Illinois  
 Foundations: Scan Construction, Minneapolis  
 Paint Suppliers: Sterling Division, Reichhold Chemicals, Sewickley, Pennsylvania, and Tnemec Company, North Kansas City, Missouri  
 Tank Dismantling: Bentley Enterprises, West Lafayette, Indiana  
 Old Tank Painting and Repairing: Pittsburg Tank & Tower, Pittsburg, Kansas

The prime contractor, subcontractors, and suppliers all have performed professionally on this job, and the owner is pleased with the project. Alvin Bauer is manager of the Batesville Water & Gas Utility, which is the municipally owned utility serving the City of Batesville.

TANK INDUSTRY CONSULTANTS were the consulting engineers on the project. Engineering functions performed were:

Inspecting the existing tanks  
 Evaluation of replacement or repair alternatives  
 Selection of site  
 Supervision of foundation soils investigation  
 Preparation of plans, specifications, and bid and contract documents  
 Sending bid notices to contractors  
 Submission for approval of the State Board of Health  
 Submission for approval of the Administrative Building Council  
 Receiving and opening bids  
 Evaluation of bids and recommendation for award  
 Approval of shop drawings and submittals  
 Inspection of shop fabrication  
 Inspection of field construction  
 General contract administration

## PLANNED OPERATING PROCEDURES PREVENT FROZEN TANKS

A frozen water tank is like no tank at all, except for the costs of repairing extensive ice damage. Pumping against a frozen tank is pumping into a closed system with no surge relief. A frozen tank gives no fire protection at a time when fire frequency is highest.

The simplest way to prevent tanks from freezing is to pump into the tank at a time when no water is being used in the system or at times of minimum demand. This assures a "turnover" of the water and actually adds Btu's to the tank. If at all possible, pump only enough during times of high demand to keep system pressure up and have a minimum reserve. These procedures must be strictly followed when nighttime temperatures fall to -10 °F for two or more nights in a row.

We are preparing a more detailed information sheet concerning this subject. Write us and we will send you a copy.

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## SPEAKING OF FROZEN TANKS - - - - -

That's exactly what I'll be doing at the 1982 AWWA Distribution System Symposium in Milwaukee on March 9, 1982. This subject plus general inspection of tanks will also be my contribution as I participate as a part of the faculty of the University of Wisconsin Water Storage Facilities Institute this December 3 and 4.

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## GOOD USED TANKS

We are aware of several good used elevated tanks available at savings of 35 to 50 percent of new prices. Call us.

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## THANKS FOR THE CONFIDENCE

The past two years have seen us serving client from Kansas to Maryland and from Georgia to Minnesota. Professional Engineering registration includes Indiana, Michigan, Wisconsin, Minnesota, Iowa, Illinois, Ohio, Pennsylvania, Maryland, Kentucky, Georgia, and Mississippi. Without the referrals of our past clients, friends, contractors, and consulting engineers this growth would not have been possible.