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## **Illinois Fertilizer & Chemical Association**

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### **Ammonia Nurse Tank Rupture in Iowa**

This past August there was an anhydrous ammonia nurse tank rupture in the State of Iowa. The tank was filled to 85% and the failure occurred on the rear hemispherical head seam attachment to the tank shell. The tank did have a legible data plate and was manufactured in 2009 by American Welding & Tank LLC. After initial investigation it was also determined other nurse tanks manufactured by American Welding & Tank LLC between 2007-2012 were found to have incomplete fusion welds along with stress corrosion cracking which compromised the integrity of the tank.

The ag retailer that was impacted by this recent nurse tank rupture is being proactive by inspecting (NDT) & x-raying all American Welding & Tank LLC nurse tanks manufactured between 2007-2012 for incomplete fusion welds along with stress corrosion cracking. Any tank deficiencies that were noted during the inspection process were immediately removed from ammonia service.

This most recent incident is currently under investigation by FMCSA and the Iowa Dept. of Ag & Land Stewardship. The Illinois Department of Agriculture is also aware of the incident.

IFCA wanted to make our members aware of the Iowa incident along with safeguards the ag retailer impacted by the tank rupture has put in place.

If you have any additional questions, please contact John Rebholz at 309-827-2774 or [john@ifca.com](mailto:john@ifca.com)