



### Pre-Action Pipe Samples after 7 years in 99% Nitrogen

The following photographs are of 1" schd. 40 black steel pipe that was removed from a pre-action sprinkler system on 6/12/2013 after 7 years of operation at a pressure of 40 psig of 99% nitrogen supplied and maintained by a Holtec Nitrogen Generator.

Other than a thin dusting of black magnetite ( $\text{Fe}_3\text{O}_4$ ), the pipe is not corroded and free of internal debris.



**THIS IS NOT JUST THEORY; USING 99% NITROGEN INERTING REALLY DOES SOLVE THE CORROSION PROBLEM IN THESE SYSTEMS!**

